

# OUT OF BUSINESS DETERMINATION

*Instructions: Fill in the shaded areas and print to submit to data staff with paper file or if you want to submit electronically, complete shaded areas and save with another name.*

I. RCRA REPORTING/INFORMATION REQUIREMENTS:

File: 01-11-030  
Company: Standard Register Company  
Last Address: 1741 Rte 7 South, Middlebury  
Last Telephone: (802) 382-2235

Facility EPA ID #: VTD004273488  
Generator Status: SQG  
Last Inspection Date: 4/18/2002

II. BASIS FOR DETERMINATION (Check all that apply) ✓

- Notification by generator
- Closure inspection
- Mail returned undeliverable
- Site visit (not there)
- Corporation Status **Inactive** at Secretary of State's office
- Verbal confirmation by:  Agency staff  Informed citizen
- Written confirmation in:  Other files  
 Newspaper  
 Magazine  
 Other

III. INSPECTOR NOTES:

Generator closure process completed.

R CRATING Done  
in 5/18

467743v

RECEIVED

APR 05 2007

WMD

Agency of Natural Resources



Department of Environmental Conservation  
Waste Management Division  
103 South Main Street/West Office Building  
Waterbury, Vermont 05671-0404  
(802) 241-3888  
FAX: (802) 241-3296  
www.anr.state.vt.us/dec/wmd.htm

Printed Date	Invoice Date	Invoice Number
3/16/2007	3/16/2007	4114

STANDARD REGISTER CO THE  
~~ALLEN P. EASELL~~ NALIN PRABHU  
1741 RTE 7 S  
MIDDLEBURY, VT 05753

Generator site:  
VTD004273488  
STANDARD REGISTER CO THE  
1741 RTE 7 S  
MIDDLEBURY

## Hazardous Waste Generator Registration Fee Assessment

(See reverse side for Instructions)

### Vermont ANR Estimate of Hazardous Waste Generator Status

Generator status based on Agency manifest records, averaged by quarter: N  
Generator status based on notification and site ID forms on file: SQG  
(Fee Schedule: LOG = \$300 SOG = \$40 CEG = no fee payment required)

Based on the above information, your annual registration fee is: **\$40.00**

(If your status has changed, your fee will be based on your new status.)

1 Based on our company records, the business is currently an:  
~~LOG~~,  SQG, ~~CEG~~, or  no longer generates hazardous waste.

2 Enclosed is a check for \$ 40<sup>00</sup>. (Payable to: Treasurer, State of Vermont)

#### Certification:

I certify under penalty of law that this document and all attachments were prepared under my direction or supervision in accordance with a system designed to assure that qualified personnel properly gather and evaluate the information submitted. Based on my inquiry of the person or persons who manage the system, or those persons directly responsible for gathering the information, the information submitted is, to the best of my knowledge and belief, true, accurate and complete. I am aware that there are significant penalties for submitting false information, including the possibility of fine and imprisonment for knowing violations.

Signed Nalin Prabhu Date 5/27/07

Print Name and Title NALIN PRABHU | PLANT ENGINEERING MANAGER

(Must be signed by a designated, responsible company official)

File Number  
01-11-030

**Benoit, Thomas**

---

**From:** Tindall, Robin [Robin.Tindall@standardregister.com]  
**Sent:** Friday, July 06, 2007 4:00 PM  
**To:** Benoit, Thomas  
**Subject:** standard register  
**Attachments:** Has Receipt2.jpg; Haz receipt1.jpg

Hi Tom,

Attached are copies of the two receipts for disposal of the waste that was remaining at the Standard Register Facility when we did our walkthrough on 6/25/07.

The receipt for \$16 includes disposal of the Freon tank and the florescent bulbs. The receipt for \$12.30 includes the oily rags and the barrel with oily debris at the bottom.

Let me know if there is any other information you need.  
Thanks.

Robin Hibbert Tindall

Six Sigma Blackbelt

Standard Register

74 Mead Lane

Middlebury, VT 05753

(802) 382-2235 office (until 6/21)

(802) 989-0377 cell

[Robin.Tindall@standardregister.com](mailto:Robin.Tindall@standardregister.com)



ADDISON COUNTY SOLID WASTE DIS  
 1223 RT. 7 South  
 Middlebury, VT 05753

000000 Cash Customer  
 Cash Customer

SITE	TICKET	GRID		WEIGHMASTER	
02	115431			GARY HOBBS	
DATE IN	DATE OUT	TIME IN	TIME OUT	VEHICLE	ROLL OFF
06/27/07	06/27/07	09:45	09:45		
REFERENCE			ORIGIN		
DDE 613			MIDDLEBURY		

Stored Gross Wt.	0	LB	Inbound - Cash ticket		
Stored Tare Wt.	0	LB			
Net Weight	0	LB			

QTY.	UNIT	DESCRIPTION	RATE	EXTENSION	FEE	TOTAL
1.00	unit	Appliance w/freon	10.00	10.00	0.00	10.00
6.00	EACH	Florescent 8'	1.00	6.00	0.00	6.00

Operating hours 7AM - 3PM Mon thru Fri and 8AM-Noon Saturday

This is to certify that this load does not contain any regulated haz waste or liquids of any type. Generator pays all costs. THIS IS A NO SMOKING FACILITY

NET AMOUNT
16.00
TENDERED
16.00
CHANGE
0.00
CHECK NO.
VISA



State of Vermont  
Department of Environmental Conservation  
Waste Management Division  
103 South Main Street  
West Building  
Waterbury, VT 05671-0404

AGENCY OF NATURAL RESOURCES

FAX 802-241-3296  
TEL 802-241-3888

November 15, 2007

Mr. Brian O'Donel.  
Standard Register Environmental Health & Safety  
121 Mt. Zion Road  
York, PA 17402

CERTIFIED MAIL  
7002 2410 0007 0266 5044

RE: Closure of Standard Register 1741 Route 7 South Facility; Vermont Generator ID No. 01-11-030; US EPA ID # VTD 004 273 488

Dear Mr. O'Donel:

This letter is in response to Standard Register's closure plan submittal received on June 6, 2007, and follows-up on a closure inspection of Standard Register property at 1741 Route 7 South in Middlebury, Vermont by Waste Management Division staff on June 25, 2007, and subsequent closure documentation received in a letter dated August 23, 2007 and facsimile dated November 14, 2007.

The closure plan states that the Standard Register Manufacturing processes consisted of business forms printing and lithographic printing with an emphasis on using soy and water based inks. Chemical usage at the facility consisted of cleaning solvents, oils, adhesives, batteries and light bulbs. Your correspondence also states that all raw materials and chemicals were sent to sister facilities and that all hazardous materials and wastes have been removed from the property and manifested to Heritage Crystal Clean.

During the facility closure inspection, oily debris and rags, fluorescent light bulbs, and a Freon tank were observed. Your subsequent documentation shows that these wastes were properly disposed of.

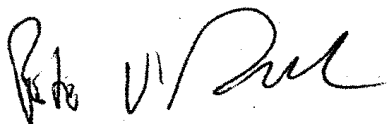
Consequently, based on the information provided by the written correspondence referenced above and the June 25, 2007, closure inspection, subsequent waste removal and Phase 1 site assessment documentation, the Hazardous Waste Management Program has determined that the hazardous materials removal and building cleanout activities performed by Standard Register at the former 1741 Route 7 South building are adequate to fulfill the hazardous waste generator



closure requirements of Vermont Hazardous Waste Management Regulations Section 7-309(c) for the building and its interior.

If you have any questions about this letter or other hazardous waste management issues, please feel free to contact Thomas A. Benoit Sr. of my staff by mail at the address given above, by telephone at (802) 241-3472 or by e-mail at [thomas.benoit@state.vt.us](mailto:thomas.benoit@state.vt.us).

Sincerely,

A handwritten signature in black ink, appearing to read "Peter W. Marshall". The signature is fluid and cursive, with a large initial "P" and "M".

Peter W. Marshall, Chief  
Hazardous Waste Management Program

ADDISON COUNTY SOLID WASTE DIS  
 1223 RT. 7 South  
 Middlebury, VT 05753

000000 Cash Customer  
 Cash Customer

SITE	TICKET	GRID		WEIGHMASTER	
02	115431			GARY HOBBS	
DATE IN	DATE OUT	TIME IN	TIME OUT	VEHICLE	ROLL OFF
06/27/07	06/27/07	09:45	09:45		
REFERENCE			ORIGIN		
DDE 613			MIDDLEBURY		

Stored Gross Wt.	0	LB	Inbound - Cash ticket
Stored Tare Wt.	0	LB	
Net Weight	0	LB	

QTY.	UNIT	DESCRIPTION	RATE	EXTENSION	FEE	TOTAL
1.00	unit	Appliance w/freon	10.00	10.00	0.00	10.00
6.00	EACH	Florescent 8'	1.00	6.00	0.00	6.00

Operating hours 7AM - 3PM Mon thru Fri and 8AM-Noon Saturday

This is to certify that this load does not contain any regulated haz waste or liquids of any type. Generator pays all costs. THIS IS A NO SMOKING FACILITY

<b>NET AMOUNT</b>
16.00 TENDERED
16.00 CHANGE
0.00 CHECK NO.
VISA





VERMONT AGENCY OF NATURAL RESOURCES – WASTE MANAGEMENT DIVISION  
 Hazardous Waste Program, 103 South Main Street/West Office, Waterbury, VT 05671-0404

**ORIGINAL PHOTOGRAPH LOG SHEET**

Inspection Date: 6/22/07

Facility Name: Standard Register

Town: Middlebury

EPA ID No: VT D- 004 - 273 - 488

VT File No: 07-01-11-030

Camera Name/Type: Canon

Digital Media: \_\_\_\_\_

Resolution/Format: \_\_\_\_\_

Information about Downloading Date: \_\_\_\_\_ Time: \_\_\_\_\_  a.m.  p.m. By: \_\_\_\_\_

Original Photo No	Time Taken	Photographer	Photo Description	Downloaded Photo Filename
1		T. Benoit	Manufacturing Area (All machinery removed)	
2		↓	Outside HW Storage Area	
3			Fluorescent Bulbs	
4			oily Debris in Barrel Bottom	
5			Rag Can (Full)	
6			Maintenance Area	
7			Maintenance Shed (Kunamovers, etc) <sup>fire tank</sup> oil spill	
8			Solvent tank Area (Tank removed)	

Brian O'Donel  
Standard Register EHS  
121 Mt Zion Rd.  
York, PA 17402  
Ph 717-751-4188

AUG 31 2007

WMD

August 23, 2007

Mr. Thomas Benoit  
Vermont Agency of Natural Resources  
Department of Environmental Conservation  
103 S. Main Street  
Waterbury, VT 05671-0401

Dear Tom:

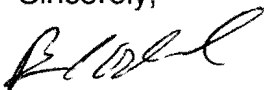
This correspondence is meant to serve as the *Closure Report* for Standard Register's Middlebury, Vermont, facility. Operations ceased, and clean up was completed in June 2007. The facility has been sold and is now owned and operated by Conner Homes.

All activities listed in the *Closure Plan* have been completed, including:

1. Raw materials (i.e., inks, fountain solutions, lubricants) were shipped to sister plants with equipment.
2. Excess chemicals and waste manifested to Heritage Crystal Clean (manifests previously supplied), thereby completing the waste storage, maintenance, and production areas.
3. Outside lawn equipment storage was cleaned.
4. Above-ground solvent storage tank was emptied of remaining solvent and manifested to Heritage Crystal Clean (manifest previously submitted). The tank was cleaned out and removed by D & M Petroleum, Inc., and a subcontractor, Environmental Products and Services of Vermont. The Phase I assessment conducted by LFR did not identify any environmental issues.
5. The underground fuel oil tank was inspected by D & M Petroleum, Inc., with no issues identified.
6. The building was cleaned of all equipment; floors were mopped clean.

If you have any comments or questions, please do not hesitate to contact me.

Sincerely,



Brian O'Donel  
Environmental Health & Safety

**Phase I Environmental Site Assessment  
Standard Register  
1741 Route 7 S  
Middlebury, VT 05753  
April 18, 2007  
LFR Project No. 034-00022-00**

Prepared for  
Dinsmore & Shohl LLP  
255 E. 5<sup>th</sup> Street  
Suite 1900  
Cincinnati, Ohio 45202

Prepared by  
LFR Inc.  
9141 Natorp Boulevard  
Suite 450  
Mason, Ohio 45040



## 1.0 SUMMARY

LFR Inc. (LFR) performed a Phase I Environmental Site Assessment (ESA) of the Standard Register facility located at 1741 Route 7 S in Middlebury, Vermont in general conformance with the scope and limitations of American Society for Testing and Materials (ASTM) Practice E 1527-05.

The Site consists of an active manufacturing facility of 116,600 square feet located on approximately 19 acres of land. The general area topography is level. Adjoining properties to the Site consist of commercial and agricultural use.

### Site and Area History

The Site was developed in 1965 with the current facility and has been used for the printing of business forms since that time. Prior to that time, the Site was used for agricultural purposes. Surrounding properties were agricultural or residential until commercial development to the north and southeast in the 1990s.

### Findings and Opinions

Based on the results of this Phase I ESA, the following findings and opinions are presented:

- There were no indicators of recognized environmental conditions (RECs) in the User-provided information or based on the owner/key site manager interview.
- There was no evidence of RECs from current or historic Site use.
- There was no evidence of RECs from current or historic adjoining property use.
- No regulatory-listed facilities were identified as RECs in the vicinity of the Site.
- Geologic and hydrogeologic information indicates conditions which are not highly conducive to the subsurface migration of contamination.

### Conclusions and Recommendations

LFR performed a Phase I ESA in general conformance with the scope and limitations of ASTM Practice E 1527-05 of the Site located at 1741 Route 7 S in Middlebury, Vermont. Any exceptions to, or deletions from, this practice are described in Section 10.0 of this report. This assessment has revealed no evidence of RECs in connection with the Site.

- Mineral spirits: This is used for cleaning the presses, and is contained in 55-gallon parts-washing units that are serviced by Heritage Crystal Clean (Photo 3).
- #2 Fuel oil: This is used for fueling the boilers and is contained in a 15,000 gallon UST located on the north side of the Site (Photo 4).
- Printing inks: The facility currently uses soy-based inks, which were changed from petroleum-based inks in the mid-1990s. The inks are stored in 1-5 gallon buckets. Waste inks are collected into 5-gallon buckets and then in a 55-gallon drum, which are then removed by Heritage Crystal Clean.
- Silver: This is used for film development and is collected in a silver recovery unit (Photo 5). Some salt staining around unit on concrete floor.
- Petroleum Naphtha: This is contained in 1 gallon containers and used to clean small parts.
- Water based glue resin: This is contained in 55-gal drums within the manufacturing area, and is non-hazardous.
- Hydraulic oil: Two 55-gal drums were stored on a rack in the west corner of the building (Photo 6).
- UV wash: This is contained in a 55-gallon drum on a mobile containment rack (Photo 7).
- Hazardous Waste Storage Room: This area contains the following waste materials: inks, absorbents, solvents, oils, and universal waste. The following virgin materials are also stored in this area: gear oils, grease, and solvents. (Photo 8).

### 6.3.2 Storage Tanks

The following storage tanks are present at the Site:

- One 15,000 gallon fuel oil UST is located on the north side of the Site. This is used to power the boilers (Photo 4).
- One 5,000-gallon mineral spirit AST is located on the north side of the building, and currently contains approximately 100 gallons (Photo 9). The AST is located in a secondary containment moat which was full of water at the time of the reconnaissance. No leaks or sheens were noted in this water.



05/06/2007 17:25 FAX 8024535064

D&M PETROLEUM, INC

002



D&M Petroleum, Inc.  
Mark Hamblin  
398 Barnum Road  
Bristol, Vermont 05443

Standard Register  
1741 Route 7 South  
Middlebury, Vermont 05753

5/5/2007

Dear Sir and/or Madam;

In response to a phone conversation with Neal Frank of Dinsmore & Shohl I conducted an inspection on the heating oil tank at the Standard Register facility in Middlebury, Vermont on May 2, 2007. This tank and its monitoring system, a Veeder Root TLS 350, were found to be in good working order.

The tank, although no information was available on site, I believe it to be a double wall, fiberglass clad steel tank manufactured by Tanx Corporation of Claremont, New Hampshire because of the date of installation and the location of the interstitial monitoring port. The tank was installed with a 5 gallon containment manhole at the fill and a float vent valve providing overflow prevention. Monitoring of the space between the 2 walls of the tank is accomplished by a Veeder Root sensor (L1). This sensor was pulled and was in good working order.

The supply and return lines feeding the boilers are contained in a sump and 4" secondary piping. The sump is manufactured by Total Containment, inc. and was found to be in good condition although a small amount of surface water was in it and appeared to be an accumulation over a number of years. That water was pumped out while I was on site and the sump cover was left off in order to allow the sump to dry. The tank monitors sump sensor (L2) was in alarm due to this water and cleared itself once the water was pumped.

The tank and it's attached systems seem to be good condition and were installed according the regulations at the time.

Sincerely;

Mark A. Hamblin  
398 Barnum Road



Loc: ALBANY

Route: ALBANY - ROUTE 1

Send to STAFF

WO#: 24LSY  
~~1736880~~

Form Approved. OMB No. 2050-0039

Please print or type. (Form designed for use on elite (12-pitch) typewriter.)

UNIFORM HAZARDOUS WASTE MANIFEST	1. Generator ID Number VT 000042734RR	2. Page 1 of 1	3. Emergency Response Phone 800-424-9300 "1"	4. Manifest Tracking Number 000582995 GBF
----------------------------------	--	-------------------	---	--

5. Generator's Name and Mailing Address  
STANDARD REGISTER  
1741 ROUTE 7 SOUTH  
MIDDLEBURY, VT 05753-8424  
Generator's Phone: (802) 382-2231

Generator's Site Address (if different than mailing address)

6. Transporter 1 Company Name  
HERITAGE-CRYSTAL CLEAN, LLC  
U.S. EPA ID Number  
TTR000130062

7. Transporter 2 Company Name  
U.S. EPA ID Number

8. Designated Facility Name and Site Address  
GIANT RESOURCE RECOVERY-SUMTER  
755 INDUSTRIAL ROAD  
SUMTER, SC 29150  
Facility's Phone: (803) 773-1400  
U.S. EPA ID Number  
SC0036275626

9a. HM	9b. U.S. DOT Description (including Proper Shipping Name, Hazard Class, ID Number, and Packing Group (if any))	10. Containers		11. Total Quantity	12. Unit Wt./Vol.	13. Waste Codes		
		No.	Type					
X	WASTE AEROSOLS, FLAMMABLE, 2.1, UN1950, (D001) ERG# 126	1	DM	200	P	D001		

14. Special Handling Instructions and Additional Information  
1) CC: 45435-17 TSD: 77006 T50

15. GENERATOR'S/OFFEROR'S CERTIFICATION: I hereby declare that the contents of this consignment are fully and accurately described above by the proper shipping name, and are classified, packaged, marked and labeled/placarded, and are in all respects in proper condition for transport according to applicable international and national governmental regulations. If export shipment and I am the Primary Exporter, I certify that the contents of this consignment conform to the terms of the attached EPA Acknowledgment of Consent. I certify that the waste minimization statement identified in 40 CFR 262.27(a) (if I am a large quantity generator) or (b) (if I am a small quantity generator) is true.

Generator's/Offor's Printed/Typed Name: WALIN FRADHKE  
Signature: *Waline Fradke*  
Month: 5 Day: 22 Year: 07

16. International Shipments  
 Import to U.S.  Export from U.S.  
Port of entry/exit: \_\_\_\_\_  
Date leaving U.S.: \_\_\_\_\_

17. Transporter Acknowledgment of Receipt of Materials

Transporter 1 Printed/Typed Name: LEO A GUAY  
Signature: *Leo A Guay*  
Month: 5 Day: 22 Year: 07

Transporter 2 Printed/Typed Name: \_\_\_\_\_  
Signature: \_\_\_\_\_  
Month: \_\_\_\_\_ Day: \_\_\_\_\_ Year: \_\_\_\_\_

18. Discrepancy

18a. Discrepancy Indication Space  
 Quantity  Type  Residue  Partial Rejection  Full Rejection

Manifest Reference Number: \_\_\_\_\_

18b. Alternate Facility (or Generator)  
Facility's Phone: \_\_\_\_\_  
U.S. EPA ID Number: \_\_\_\_\_

18c. Signature of Alternate Facility (or Generator)  
Month: \_\_\_\_\_ Day: \_\_\_\_\_ Year: \_\_\_\_\_

19. Hazardous Waste Report Management Method Codes (i.e., codes for hazardous waste treatment, disposal, and recycling systems)

2. \_\_\_\_\_ 3. \_\_\_\_\_ 4. \_\_\_\_\_

20. Designated Facility Owner or Operator: Certification of receipt of hazardous materials covered by the manifest except as noted in Item 18a

Printed/Typed Name: \_\_\_\_\_ Signature: \_\_\_\_\_  
Month: \_\_\_\_\_ Day: \_\_\_\_\_ Year: \_\_\_\_\_

GENERATOR INT'L TRANSPORTER DESIGNATED FACILITY







EMP ID #	SVCWK	WORK ORDER #	SVC REQ	AGRMT #	PURCHASE ORDER #	PAGE
	20	00-0024LSY	142532	420014		1 of 1
CCMS CUST. ID #	ROUTE			FEDERAL EPA ID #		
44323	ALBANY - ROUTE 1			VTD004273488		
COMMENTS				GEN. STATUS	STATE EPA ID #	
EMERGENCY#: 800-424-9300				SOG		
<b>DRUMMED WASTE ONLY! NO PARTS CLEANERS ON THIS SERVICE REQUEST! (JR 06-18-04) MUST GET PO EVERY SERVICE!!! (JR 09-15-05)</b>						

ALBANY

<b>CUSTOMER/SHIPPER:</b> STANDARD REGISTER 1741 ROUTE 7 SOUTH MIDDLEBURY, VT 05753-8424	<b>DESTINATION:</b> HERITAGE-CRYSTAL CLEAN, LLC 2511 ALBANY ST. SCHENECTADY, NY 12304
<b>Contact Name:</b> PAULINE SINGLEY (302)392-2231	<b>Phone Number:</b> (516)344-5437

**CARRIER:** HERITAGE-CRYSTAL CLEAN, LLC **EPA ID #:** ILR 000 130 062 **Phone Number:** (877) 938-7948

BILL OF LADING						
16 GAL. DRUMS	30 GAL. DRUMS	55 GAL. DRUMS	PROPER SHIPPING NAME			TOTAL UNITS

This is to certify that the above-named materials are properly classified, described, packaged, marked and labeled and are in proper condition for transport according to the applicable regulations of the Department of Transportation, as required. I also certify that neither hazardous waste, nor PCBs have been mixed with the used oil and/or parts cleaner solvent (if applicable).

Per _____ Customer/Shipper	Date _____	Per _____ HCC/Carrier	Date _____
-------------------------------	------------	--------------------------	------------

SUMMARY OF CHARGES										
TODAY'S SERVICE										
WS #	PROD. CODE	DESCRIPTION	RTD. GALS.	UNIT	SI	NEXT SVC.	LOCATION COMMENTS	UNIT PRICE	QTY.	TOTAL CHARGE
13435-17	1060	55GAL. AEROSOL CAN REC		NONE	21	14		\$447.00	1	447.00
13435-24	1011	SOLID FUEL		NONE	12	32		\$341.73		
	174	TEMPORARY FUEL SURCHARGE		NONE				\$9.25	0	\$9.25
45435-22	1014	ADHESIVE						119.00	4	476.00
<del>13435-07</del>	<del>1060</del>	<del>AEROSOL</del>								
45435-9	1040	ABSORBER/DEBRIS						119.00	1	119.00
										\$0.00
										\$9.25
								TAX		\$9.25
								SERVICE SUBTOTAL		

I ACCEPT THE CONTRACT CHANGES ON THIS WORK ORDER \_\_\_\_\_

PRODUCTS			UNIT PRICE	QTY.	CHARGE
PRODUCT DESCRIPTION:					
1256 OPEN TOP DRUM			40.00	5	200.00
1257 CLOSE TOP DRUM			40.00	5	200.00

PRODUCT SALES TAX 24.00  
SUBTOTAL PRODUCT & TAX

MACHINE INSPECTION	SERVICE/PRODUCTS CHARGE SUMMARY — THIS IS NOT AN INVOICE		
Cle... G P Lamp Assembly G P Drum Condition G P Fusible Link Installed G P Lid Unobstructed G P Property Grounded G P Local Phone # affixed G P Decals in Place G P	CUSTOMER HEREBY VERIFIES THAT THE ABOVE SERVICES WERE PERFORMED AND THAT SAID SERVICES AND THE CHARGES THEREFORE ARE HEREBY ACCEPTED. CUSTOMER ALSO HEREBY REAFFIRMS THE ACCURACY AND COMPLETENESS OF ALL INFORMATION CONTAINED IN THIS WORK ORDER AND ALL DOCUMENTATION PREVIOUSLY SUBMITTED TO HCC. THIS WORK ORDER IS DEEMED PART OF THE SERVICE AGREEMENT BETWEEN HERITAGE-CRYSTAL CLEAN, LLC AND THE CERTIFICATIONS CONTAINED THEREIN CONCERNING THE MATERIALS TO BE HANDLED AND THE SERVICES TO BE PROVIDED ARE INCORPORATED HEREIN BY REFERENCE AND DEEMED PART HEREOF AND SAID CERTIFICATIONS ARE DEEMED REMADE FOR THE SERVICES COVERED BY THIS WORK ORDER.		TODAY'S SERVICE PRODUCT & TAX TOTAL AMOUNT DUE 1466.00 TOTAL REMITTANCE CHECK NUMBER
	PER <u>Pauline Singley</u>	DATE <u>5/22/07</u>	







EMP ID #	SVC WK	WORK ORDER #	SVC REQ	AGRMT #	PURCHASE ORDER #	PAGE
	20	00-00241.T0	142532	420014		1 of 2
CCMS CUST. ID #	ROUTE			FEDERAL EPA ID #		
44323	ALBANY - ROUTE 1			VT D 0 0 4 2 7 3 4 8 8		
COMMENTS			GEN. STATUS	STATE EPA ID #		
EMERGENCY#: 800-424-9300			SOQ			
<b>DRUMMED WASTE ONLY! NO PARTS CLEANERS ON THIS SERVICE REQUEST! (JR 06-18-04) MUST GET PO EVERY SERVICE!!! (JR 09-15-05)</b>						
ALBANY						

<b>CUSTOMER/SHIPPER:</b> STANDARD REGISTER 1741 ROUTE 7 SOUTH MIDDLEBURY, VT 05753-8424	<b>DESTINATION:</b> HERITAGE-CRYSTAL CLEAN, LLC 2511 ALBANY ST. SCHENECTADY, NY 12304
<b>Contact Name:</b> PAULINE SINGLEY (802)382-2231	<b>Phone Number:</b> (518)344-5437

**CARRIER:** HERITAGE-CRYSTAL CLEAN, LLC **EPA ID #:** ILR 000 130 062 **Phone Number:** (877) 938-7948

BILL OF LADING					
16 GAL. DRUMS	30 GAL. DRUMS	55 GAL. DRUMS	PROPER SHIPPING NAME	TOTAL	UNITS
			NON-DOT REGULATED, (USED OIL),		
		1	NON-DOT/RCA REGULATED, (IMAGE SEAL ADHESIVE)	55	G
			NON-DOT/RCA REGULATED, (UV INK)		
		1	NON-DOT/RCA REGULATED, (WOOD INK)	55	G
			<del>NON-DOT/RCA REGULATED, (4 FT LAMPS)</del>	<del>75</del>	<del>D</del>

This is to certify that the above-named materials are properly classified, described, packaged, marked and labeled and are in proper condition for transport according to the applicable regulations of the Department of Transportation, as required. I also certify that neither hazardous waste, nor PCBs have been mixed with the used oil and/or parts cleaner solvent (if applicable).

Per <u>Pauline Singley</u> 5/22/07 Customer/Shipper Date	Per <u>Sean O'Leary</u> 5/22/07 HCC/Carrier Date
---	---

**SUMMARY OF CHARGES**  
**TODAY'S SERVICE**

WS #	PROD. CODE	DESCRIPTION	RTD. GALS.	UNIT	SI	NEXT SVC.	LOCATION COMMENTS	UNIT PRICE	QTY.	TOTAL CHARGE
15435-10-13	1070	4' DM LIGHTBULB DISP		NONE	8	23		\$124.84	1	124.84
15435-10-14	1071	6' DM LIGHTBULB DISP		NONE	8	28		\$194.67		
15435-10-15	1072	HID BULBS		NONE	8	28		\$5.20		
15435-10-26	1054	55 GAL USED OIL		NONE	8	28		\$155.00		
15435-11	1014	NON-HAZ THERMAL TREATMEN		NONE	4	24	IMAGE SEAL	119.00 \$276.11	1	119.00
15435-12	1014	NON-HAZ THERMAL TREATMEN		NONE	4	24	UV INK	\$276.11		
15435-14	1014	NON-HAZ THERMAL TREATMEN		NONE	4	24	WOOD INK	119.00 \$276.11	1	119.00

TAX  
SERVICE SUBTOTAL

I ACCEPT THE CONTRACT CHANGES ON THIS WORK ORDER \_\_\_\_\_

**PRODUCTS**

PRODUCT DESCRIPTION:

UNIT PRICE	QTY.	CHARGE
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PRODUCT SALES TAX 362.84  
SUBTOTAL PRODUCT & TAX

<b>MACHINE INSPECTION</b>	<b>SERVICE/PRODUCTS CHARGE SUMMARY — THIS IS NOT AN INVOICE</b>
Clean _____ G P Lamp Assembly _____ G P Drum Condition _____ G P Fusible Link Installed _____ G P Lid Unobstructed _____ G P Properly Grounded _____ G P Local Phone # affixed _____ G P Decals in Place _____ G P	CUSTOMER HEREBY VERIFIES THAT THE ABOVE SERVICES WERE PERFORMED AND THAT SAID SERVICES AND THE CHARGES THEREFORE ARE HEREBY ACCEPTED. CUSTOMER ALSO HEREBY REAFFIRMS THE ACCURACY AND COMPLETENESS OF ALL INFORMATION CONTAINED IN THIS WORK ORDER AND ALL DOCUMENTATION PREVIOUSLY SUBMITTED TO HCC. THIS WORK ORDER IS DEEMED PART OF THE SERVICE AGREEMENT BETWEEN HERITAGE-CRYSTAL CLEAN, LLC AND THE CERTIFICATIONS CONTAINED THEREIN CONCERNING THE MATERIALS TO BE HANDLED AND THE SERVICES TO BE PROVIDED ARE INCORPORATED HEREIN BY REFERENCE AND DEEMED PART HEREOF AND SAID CERTIFICATIONS ARE DEEMED REMADE FOR THE SERVICES COVERED BY THIS WORK ORDER. PER <u>Pauline Singley</u> DATE <u>5/22/07</u> TODAY'S SERVICE _____ PRODUCT & TAX _____ TOTAL AMOUNT DUE <u>362.84</u> TOTAL REMITTANCE _____ CHECK NUMBER _____





EMP ID #	SVCWK	WORK ORDER #	SVC REQ	AGRMT #	PURCHASE ORDER #	PAGE
	16	00-0023PJA	142532	420014		3 of 3
CCMS CUST. ID #	ROUTE			FEDERAL EPA ID #		
44323	ALBANY - ROUTE 1			VT D 0 0 4 2 7 3 4 8 8		
COMMENTS			GEN. STATUS	STATE EPA ID #		
EMERGENCY#: 800-424-9300			SQG			
DRUMMED WASTE ONLY! NO PARTS CLEANERS ON THIS SERVICE REQUEST! (JR 06-18-04) MUST GET PO EVERY SERVICE!!! (JR 09-15-05)						

CUSTOMER/SHIPPER: STANDARD REGISTER 1741 ROUTE 7 SOUTH MIDDLEBURY, VT 05753-8424	DESTINATION: HERITAGE-CRYSTAL CLEAN, LLC 2511 ALBANY ST. SCHENECTADY, NY 12304
Contact Name: PALLINE SINGLEY (902)382-2231	Phone Number: (518)344-5437

CARRIER: HERITAGE-CRYSTAL CLEAN, LLC EPA ID #: ILR 000 130 062 Phone Number: (877) 938-7948

BILL OF LADING				
16 GAL. DRUMS	30 GAL. DRUMS	55 GAL. DRUMS	PROPER SHIPPING NAME	TOTAL UNITS
			NON-DOE/RCRA REGULATED, (OFF SPEC WHITENER)	
			<del>NON-DOE/RCRA</del>	
		3	NON-DOE Regulated (Used Oil)	1165 G

This is to certify that the above-named materials are properly classified, described, packaged, marked and labeled and are in proper condition for transport according to the applicable regulations of the Department of Transportation, as required. I also certify that neither hazardous waste, nor PCBs have been mixed with the used oil and/or parts cleaner solvent (if applicable).

Per <i>[Signature]</i> Customer/Shipper	Date 4/24/07	Per <i>[Signature]</i> HCC/Carrier	Date 4/24/07
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SUMMARY OF CHARGES TODAY'S SERVICE

WS #	PROD. CODE	DESCRIPTION	RTD. GALS.	UNIT	SI	NEXT SVC.	LOCATION COMMENTS	UNIT PRICE	QTY.	TOTAL CHARGE
15435-25	1014	NON-HAZ THERMAL TREATMEN		NONE	12	28		\$119.00		
	174	TEMPORARY FUEL SURCHARGE		NONE				\$9.75	1	\$9.75
45435-10-26		1054 Used Oil			12			10850	3	325.50

TAX \$0.00  
SERVICE SUBTOTAL 712.95

I ACCEPT THE CONTRACT CHANGES ON THIS WORK ORDER \_\_\_\_\_

PRODUCTS

PRODUCT DESCRIPTION:

1256 Open Top Drums

UNIT PRICE	QTY.	CHARGE
40.00	3	120.00

PRODUCT SALES TAX 7.20  
SUBTOTAL PRODUCT & TAX 127.20

MACHINE INSPECTION	SERVICE/PRODUCTS CHARGE SUMMARY — THIS IS NOT AN INVOICE		
Clea G P	CUSTOMER HEREBY VERIFIES THAT THE ABOVE SERVICES WERE PERFORMED AND THAT SAID SERVICES AND THE CHARGES THEREFORE ARE HEREBY ACCEPTED. CUSTOMER ALSO HEREBY REAFFIRMS THE ACCURACY AND COMPLETENESS OF ALL INFORMATION CONTAINED IN THIS WORK ORDER AND ALL DOCUMENTATION PREVIOUSLY SUBMITTED TO HCC. THIS WORK ORDER IS DEEMED PART OF THE SERVICE AGREEMENT BETWEEN HERITAGE-CRYSTAL CLEAN, LLC AND THE CERTIFICATIONS CONTAINED THEREIN CONCERNING THE MATERIALS TO BE HANDLED AND THE SERVICES TO BE PROVIDED ARE INCORPORATED HEREIN BY REFERENCE AND DEEMED PART HEREOF AND SAID CERTIFICATIONS ARE DEEMED REMADE FOR THE SERVICES COVERED BY THIS WORK ORDER.		TODAY'S SERVICE 712.95
Lamp Assembly G P			PRODUCT & TAX 127.20
Drum Condition G P			TOTAL AMOUNT DUE 840.15
Fusible Link Installed G P			TOTAL REMITTANCE
Lid Unobstructed G P			CHECK NUMBER
Properly Grounded G P			
Local Phone # affixed G P			
Decals in Place G P	PER <i>[Signature]</i> DATE 4/24/07		



EMP ID #	SVC WK	WORK ORDER #	SVC REQ	AGRMT #	PURCHASE ORDER #	PAGE
	16	00-0023PJA	142532	420014		2 of 3
CCMS CUST. ID #	ROUTE			FEDERAL EPA ID #		
44323	ALBANY - ROUTE 1			VTD004273488		
COMMENTS				GEN. STATUS	STATE EPA ID #	
EMERGENCY#: 800-424-9300				SOQ		
DRUMMED WASTE ONLY! NO PARTS CLEANERS ON THIS SERVICE REQUEST! (JR 06-18-04) MUST GET PO EVERY SERVICE!!! (JR 09-15-05)						

CUSTOMER/SHIPPER: STANDARD REGISTER 1741 ROUTE 7 SOUTH MIDDLEBURY, VT 05753-8424	DESTINATION: HERITAGE-CRYSTAL CLEAN, LLC 2511 ALBANY ST. SCHENECTADY, NY 12304
Contact Name: PAULINE SINGLEY (802)392-2231	Phone Number: (518)344-5437

CARRIER: HERITAGE-CRYSTAL CLEAN, LLC EPA ID #: ILR 000 130 062 Phone Number: (877) 938-7948

BILL OF LADING					
16 GAL. DRUMS	30 GAL. DRUMS	55 GAL. DRUMS	PROPER SHIPPING NAME	TOTAL	UNITS
			NON-DOE/RCRA REGULATED, (SECURITY SHIELD)		
			NON-DOE/RCRA REGULATED, (IMAGE SEAL ADHESIVE)		
			NON-DOE/RCRA REGULATED, (UV INK)		
			NON-DOE/RCRA REGULATED, (MOOD INK)		
	3		NON-DOE/RCRA REGULATED, (UV INK)	90	8

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Per <i>[Signature]</i> Date 4/24/07	Per <i>[Signature]</i> Date 4/24/07
Customer/Shipper	HCC/Carrier

**SUMMARY OF CHARGES**  
**TODAY'S SERVICE**

WS #	PROD. CODE	DESCRIPTION	RTD. GALS.	UNIT	SI	NEXT SVC.	LOCATION COMMENTS	UNIT PRICE	QTY.	TOTAL CHARGE
5435-10	1014	NON-HAZ THERMAL TREATMEN	NONE	8	24			\$276.14		
5435-11	1014	NON-HAZ THERMAL TREATMEN	NONE	4	20	IMAGE SEAL		\$276.14		
5435-12	1014	NON-HAZ THERMAL TREATMEN	NONE	4	20	UV INK		\$276.14		
5435-14	1014	NON-HAZ THERMAL TREATMEN	NONE	4	20	MOOD INK		\$276.14		
5435-21	1014	NON-HAZ THERMAL TREATMEN	NONE	12	28	UV INK		\$125.90	3	377.70
5435-22	1014	NON-HAZ THERMAL TREATMEN	NONE	12	28	ADHESIVE		\$125.90		

I ACCEPT THE CONTRACT CHANGES ON THIS WORK ORDER \_\_\_\_\_

TAX  
SERVICE SUBTOTAL

**PRODUCTS**

PRODUCT DESCRIPTION:	UNIT PRICE	QTY.	CHARGE

PRODUCT SALES TAX  
SUBTOTAL PRODUCT & TAX

MACHINE INSPECTION	SERVICE/PRODUCTS CHARGE SUMMARY — THIS IS NOT AN INVOICE		
Clean G P Lamp Assembly G P Drum Condition G P Fusible Link Installed G P Lid Unobstructed G P Property Grounded G P Local Phone # affixed G P Decals in Place G P	CUSTOMER HEREBY VERIFIES THAT THE ABOVE SERVICES WERE PERFORMED AND THAT SAID SERVICES AND THE CHARGES THEREFORE ARE HEREBY ACCEPTED. CUSTOMER ALSO HEREBY REAFFIRMS THE ACCURACY AND COMPLETENESS OF ALL INFORMATION CONTAINED IN THIS WORK ORDER AND ALL DOCUMENTATION PREVIOUSLY SUBMITTED TO HCC. THIS WORK ORDER IS DEEMED PART OF THE SERVICE AGREEMENT BETWEEN HERITAGE-CRYSTAL CLEAN, LLC AND THE CERTIFICATIONS CONTAINED THEREIN CONCERNING THE MATERIALS TO BE HANDLED AND THE SERVICES TO BE PROVIDED ARE INCORPORATED HEREIN BY REFERENCE AND DEEMED PART HEREOF AND SAID CERTIFICATIONS ARE DEEMED REMADE FOR THE SERVICES COVERED BY THIS WORK ORDER.		TODAY'S SERVICE PRODUCT & TAX TOTAL AMOUNT DUE TOTAL REMITTANCE CHECK NUMBER
PER <i>[Signature]</i>	DATE 4/24/07		





ALBANY

EMP ID #	SVCWK	WORK ORDER #	SVC REQ	AGRMT #	PURCHASE ORDER #	PAGE
	12	00-0022TRC	142532	420014		1 of 2
CCMS CUST. ID #	ROUTE		FEDERAL EPA ID #			
44323	ALBANY - ROUTE 1		VT D 0 0 4 2 7 3 4 8 8			
COMMENTS			GEN. STATUS	STATE EPA ID #		
EMERGENCY#: 800-424-9300			SQG			
DRUMMED WASTE ONLY! NO PARTS CLEANERS ON THIS SERVICE REQUEST! (JR 06-18-04) MUST GET PO EVERY SERVICE!!! (JR 09-15-05)						

<b>CUSTOMER/SHIPPER:</b> STANDARD REGISTER 1741 ROUTE 7 SOUTH MIDDLEBURY, VT 05753-8424	<b>DESTINATION:</b> HERITAGE-CRYSTAL CLEAN, LLC 2511 ALBANY ST. SCHENECTADY, NY 12304
<b>Contact Name:</b> PAULINE SINGLEY (802)382-2231	<b>Phone Number:</b> (518)344-5437

**CARRIER:** HERITAGE-CRYSTAL CLEAN, LLC      **EPA ID #:** ILR 000 130 062      **Phone Number:** (877) 938-7948

BILL OF LADING					
16 GAL. DRUMS	30 GAL. DRUMS	55 GAL. DRUMS	PROPER SHIPPING NAME	TOTAL	UNITS
1			NON-DOT/RCRA REGULATED, (1070-UNIV WASTE LAMPS 4 <del>8</del> )	100	P
			NON-DOT/RCRA REGULATED, (1071-UNIV WASTE LAMPS 8PT)		
			NON-DOT/RCRA REGULATED, (1072-UNIV WASTE LAMPS HID)		
			NON-DOT REGULATED, (USED OIL),		
	2		NON-DOT/RCRA REGULATED, (IMAGE SEAL ADHESIVE)	100	G

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Per <u>William Forstner</u> Date <u>3/27/07</u>	Per <u>Leona May</u> Date <u>3/27/07</u>
Customer/Shipper	HCC/Carrier

SUMMARY OF CHARGES										
TODAY'S SERVICE										
WS #	PROD. CODE	DESCRIPTION	RTD. GALS.	UNIT	SI	NEXT SVC.	LOCATION COMMENTS	UNIT PRICE	QTY.	TOTAL CHARGE
15435-10-13	1070	4' DM LIGHTBULB DISP		NONE	8	20	CRUSHED BULBS	<del>\$124.84</del>	1	300.00
15435-10-14	1071	8' DM LIGHTBULB DISP		NONE	8	20		\$194.67		
15435-10-15	1072	HID BULBS		NONE	8	20		\$5.20		
15435-10-26	1054	55 GAL USED OIL		NONE	8	20		\$155.00		
15435-11	1014	NON-HAZ THERMAL TREATMEN		NONE	4	16	IMAGE SEAL	119.00	2	238.00

I ACCEPT THE CONTRACT CHANGES ON THIS WORK ORDER \_\_\_\_\_

TAX  
SERVICE SUBTOTAL **538.00**

**PRODUCTS**

PRODUCT DESCRIPTION:	UNIT PRICE	QTY.	CHARGE

PRODUCT SALES TAX  
SUBTOTAL PRODUCT & TAX

<b>MACHINE INSPECTION</b>	<b>SERVICE/PRODUCTS CHARGE SUMMARY — THIS IS NOT AN INVOICE</b>	<b>TODAY'S SERVICE</b>
Clean _____ G P Lamp Assembly _____ G P Drum Condition _____ G P Fusible Link Installed _____ G P Lid Unobstructed _____ G P Property Grounded _____ G P Local Phone # affixed _____ G P Decals in Place _____ G P	CUSTOMER HEREBY VERIFIES THAT THE ABOVE SERVICES WERE PERFORMED AND THAT SAID SERVICES AND THE CHARGES THEREFORE ARE HEREBY ACCEPTED. CUSTOMER ALSO HEREBY REAFFIRMS THE ACCURACY AND COMPLETENESS OF ALL INFORMATION CONTAINED IN THIS WORK ORDER AND ALL DOCUMENTATION PREVIOUSLY SUBMITTED TO HCC. THIS WORK ORDER IS DEEMED PART OF THE SERVICE AGREEMENT BETWEEN HERITAGE-CRYSTAL CLEAN, LLC AND THE CERTIFICATIONS CONTAINED THEREIN CONCERNING THE MATERIALS TO BE HANDLED AND THE SERVICES TO BE PROVIDED ARE INCORPORATED HEREIN BY REFERENCE AND DEEMED PART HEREOF AND SAID CERTIFICATIONS ARE DEEMED REMADE FOR THE SERVICES COVERED BY THIS WORK ORDER.  <b>PER</b> _____ <b>DATE</b> _____	_____ _____ TOTAL AMOUNT DUE TOTAL REMITTANCE CHECK NUMBER





EMP ID #	SVCWK	WORK ORDER #	SVC REQ	AGRMT #	PURCHASE ORDER #	PAGE
	12	00-0022TRC	142532	420014		2 of 2
CCMS CUST. ID #	ROUTE			FEDERAL EPA ID #		
44323	ALBANY - ROUTE 1			VT D 0 0 4 2 7 3 4 8 8		
COMMENTS			GEN. STATUS	STATE EPA ID #		
EMERGENCY #: 800-424-9300			SQG			
DRUMMED WASTE ONLY! NO PARTS CLEANERS ON THIS SERVICE REQUEST! (JR 06-18-04) MUST GET PO EVERY SERVICE!!! (JR 09-15-05)						

CUSTOMER/SHIPPER: STANDARD REGISTER 1741 ROUTE 7 SOUTH MIDDLEBURY, VT 05753-8424	DESTINATION: HERITAGE-CRYSTAL CLEAN, LLC 2511 ALBANY ST. SCHENECTADY, NY 12304
Contact Name: PAULINE SINGLEY (802)382-2231	Phone Number: (518)344-5437

CARRIER: HERITAGE-CRYSTAL CLEAN, LLC EPA ID #: ILR 000 130 062 Phone Number: (877) 938-7948

BILL OF LADING							
16 GAL. DRUMS	30 GAL. DRUMS	55 GAL. DRUMS	PROPER SHIPPING NAME			TOTAL	UNITS
		5	NON-DOE/RCRA REGULATED, (UV INK)			270	G
			NON-DOE/RCRA REGULATED, (WOOD INK)				
			NON-DOE/RCRA REGULATED, (UV SILICONE)				
			NON-DOE/RCRA REGULATED, (COATINGS, ADHESIVES)				
		1	NON-DOE/RCRA REGULATED (NON HAZ ABSORBENT DEBRIS)			12.5	P

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Per <u>Nadia Forster</u> 3/27/07	Per <u>Scott May</u> 3/27/07
Customer/Shipper	HCC/Carrier
Date	Date

SUMMARY OF CHARGES										
TODAY'S SERVICE										
WS #	PROD. CODE	DESCRIPTION	RTD. GALS.	UNIT	SI	NEXT SVC.	LOCATION COMMENTS	UNIT PRICE	QTY.	TOTAL CHARGE
5435-12	1014	NON-HAZ THERMAL TREATMEN	NONE	4	16	UV INK		119.00	5	595.00
5435-14	1014	NON-HAZ THERMAL TREATMEN	NONE	4	16	WOOD INK		\$276.14		
5435-19	1014	NON-HAZ THERMAL TREATMEN	NONE	8	20	UV SILICONE		\$276.14		
5435-20	1024	NON-HAZ THERMAL DESTRUCT	NONE	12	24			\$631.63		
	174	TEMPORARY FUEL SURCHARGE	NONE					\$9.75	1	\$9.75
45435-9	1014	NON-HAZ ABSORBENT DEBRIS						119.00	1	119.00
										\$0.00
										\$9.75
TAX										
SERVICE SUBTOTAL										723.75

I ACCEPT THE CONTRACT CHANGES ON THIS WORK ORDER \_\_\_\_\_

PRODUCTS

PRODUCT DESCRIPTION:

UNIT PRICE	QTY.	CHARGE
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PRODUCT SALES TAX  
SUBTOTAL PRODUCT & TAX

MACHINE INSPECTION	SERVICE/PRODUCTS CHARGE SUMMARY — THIS IS NOT AN INVOICE	
Clear	G P	CUSTOMER HEREBY VERIFIES THAT THE ABOVE SERVICES WERE PERFORMED AND THAT SAID SERVICES AND THE CHARGES THEREFORE ARE HEREBY ACCEPTED. CUSTOMER ALSO HEREBY REAFFIRMS THE ACCURACY AND COMPLETENESS OF ALL INFORMATION CONTAINED IN THIS WORK ORDER AND ALL DOCUMENTATION PREVIOUSLY SUBMITTED TO HCC. THIS WORK ORDER IS DEEMED PART OF THE SERVICE AGREEMENT BETWEEN HERITAGE-CRYSTAL CLEAN, LLC AND THE CERTIFICATIONS CONTAINED THEREIN CONCERNING THE MATERIALS TO BE HANDLED AND THE SERVICES TO BE PROVIDED ARE INCORPORATED HEREIN BY REFERENCE AND DEEMED PART HEREOF AND SAID CERTIFICATIONS ARE DEEMED REMADE FOR THE SERVICES COVERED BY THIS WORK ORDER. PER <u>Nadia Forster</u> DATE <u>3/27/07</u>
Lamp Assembly	G P	
Drum Condition	G P	
Fusible Link Installed	G P	
Lid Unobstructed	G P	
Properly Grounded	G P	
Local Phone # affixed	G P	TODAY'S SERVICE
Decals in Place	G P	PRODUCT & TAX
		TOTAL AMOUNT DUE <u>1261.75</u>
		TOTAL REMITTANCE
		CHECK NUMBER





EMP ID #	SVC WK	WORK ORDER #	SVC REQ	AGRMT #	PURCHASE ORDER #	PAGE
	12	00-0022TPK	35354	789		1 of 3
CCMS CUST. ID #	ROUTE		FEDERAL EPA ID #			
44323	ALBANY - ROUTE 1		VT D 0 0 4 2 7 3 4 8 8			
COMMENTS			GEN. STATUS	STATE EPA ID #		
EMERGENCY#: 800-424-9300			SOQ			
PARTS CLEANER SERVICES ONLY! NO DRUMMED WAS ON THIS SERVICE REQUEST! (JR 06-18-04) MUST GET PO EVERY SERVICE!!! (JR 09-15-05)						

CUSTOMER/SHIPPER: STANDARD REGISTER  
1741 ROUTE 7 SOUTH  
MIDDLEBURY, VT 05753-8424  
Contact Name: PAULINE SINGLEY (802)382-2231

DESTINATION: HERITAGE-CRYSTAL CLEAN, LLC  
2511 ALBANY ST  
SCHENECTADY, NY 12304  
Phone Number:(518)344-5437

CARRIER: HERITAGE-CRYSTAL CLEAN, LLC EPA ID #: ILR 000 130 062 Phone Number:(877) 938-7948

BILL OF LADING					
16 GAL. DRUMS	30 GAL. DRUMS	55 GAL. DRUMS	PROPER SHIPPING NAME	TOTAL	UNITS
			NON-DOT/RCHA REGULATED USED PARTS CLEANER SOLVENT, (< 1.1 : CONT), (NAPTHA)		

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Per \_\_\_\_\_ Date \_\_\_\_\_  
Customer/Shipper

Per \_\_\_\_\_ Date \_\_\_\_\_  
HCC/Carrier

SUMMARY OF CHARGES

WS #	PROD. CODE	DESCRIPTION	RTD. GALS.	UNIT	SI	NEXT SVC.	LOCATION COMMENTS	UNIT PRICE	QTY.	TOTAL CHARGE
1602 SR		DRUM MOUNT 30 GAL DR	<u>0</u>	24743	4	16	2072 SOLVENT	<del>\$157.04</del>	1	<del>\$157.04</del>
1602 SR		DRUM MOUNT 30 GAL DR	<u>0</u>	24746	4	16	2072 SOLVENT	<del>\$157.04</del>	1	<del>\$157.04</del>
1602 SR		DRUM MOUNT 30 GAL DR	<u>0</u>	24747	4	16	2072 SOLVENT	<del>\$157.04</del>	1	<del>\$157.04</del>
1602 LR		DRUM MOUNT 30 GAL DR	<u>0</u>	24748	8	20		<del>\$156.19</del>	1	<del>\$156.19</del>
1634 LR		TANK UNIT 35 GAL	<u>0</u>	24749	8	20		<del>\$255.27</del>	1	<del>\$255.27</del>
1602 LR		DRUM MOUNT 30 GAL DR	<u>0</u>	25427	8	20		<del>\$156.19</del>	1	<del>\$156.19</del>
1602 LR		DRUM MOUNT 30 GAL DR	<u>0</u>	25429	8	20		<del>\$156.19</del>	1	<del>\$156.19</del>

TAX  
SERVICE SUBTOTAL

I ACCEPT THE CONTRACT CHANGES ON THIS WORK ORDER \_\_\_\_\_

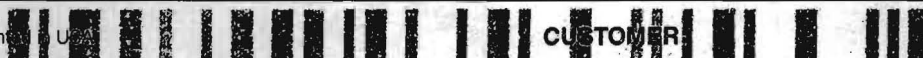
PRODUCTS

PRODUCT DESCRIPTION:

UNIT PRICE	QTY.	CHARGE
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PRODUCT SALES TAX  
SUBTOTAL PRODUCT & TAX

MACHINE INSPECTION	SERVICE/PRODUCTS CHARGE SUMMARY — THIS IS NOT AN INVOICE	
Clear _____ G P	CUSTOMER HEREBY VERIFIES THAT THE ABOVE SERVICES WERE PERFORMED AND THAT SAID SERVICES AND THE CHARGES THEREFORE ARE HEREBY ACCEPTED. CUSTOMER ALSO HEREBY REAFFIRMS THE ACCURACY AND COMPLETENESS OF ALL INFORMATION CONTAINED IN THIS WORK ORDER AND ALL DOCUMENTATION PREVIOUSLY SUBMITTED TO HCC. THIS WORK ORDER IS DEEMED PART OF THE SERVICE AGREEMENT BETWEEN HERITAGE-CRYSTAL CLEAN, LLC AND THE CERTIFICATIONS CONTAINED THEREIN CONCERNING THE MATERIALS TO BE HANDLED AND THE SERVICES TO BE PROVIDED ARE INCORPORATED HEREIN BY REFERENCE AND DEEMED PART HEREOF AND SAID CERTIFICATIONS ARE DEEMED REMADE FOR THE SERVICES COVERED BY THIS WORK ORDER.	TODAY'S SERVICE
Lamp _____ G P		PRODUCT & TAX
Drum Condition _____ G P		TOTAL AMOUNT DUE
Fusible Link Installed _____ G P		TOTAL REMITTANCE
Lid Unobstructed _____ G P		CHECK NUMBER
Properly Grounded _____ G P		
Local Phone # affixed _____ G P	PER _____ DATE _____	
Decals in Place _____ G P		





EMP ID #	SVC WK	WORK ORDER #	SVC REQ	AGRMT #	PURCHASE ORDER #	PAGE
	12	00-0022TPK	35354	789		3 of 3
CCMS CUST. ID #	ROUTE			FEDERAL EPA ID #		
44323	ALBANY - ROUTE 1			VT D 0 0 4 2 7 3 4 8 8		
COMMENTS			GEN. STATUS	STATE EPA ID #		
EMERGENCY#: 800-424-9300			SOQ			
PARTS CLEANER SERVICES ONLY! NO DRUMMED WAS ON THIS SERVICE REQUEST! (JR 06-18-04) MUST GET PO EVERY SERVICE!!! (JR 09-15-05)						

CUSTOMER/SHIPPER: STANDARD REGISTER 1741 ROUTE 7 SOUTH MIDDLEBURY, VT 05753-8424	DESTINATION: HERITAGE-CRYSTAL CLEAN, LLC 2511 ALBANY ST SCHENECTADY, 12304
Contact Name: PAULINE SINGLEY (802)382-2231	Phone Number: (518)344-5437

CARRIER: HERITAGE-CRYSTAL CLEAN, LLC EPA ID #: ILR 000 130 062 Phone Number: (877) 938-7948

BILL OF LADING					
16 GAL. DRUMS	30 GAL. DRUMS	55 GAL. DRUMS	PROPER SHIPPING NAME	TOTAL	UNITS
			NON-DOT/RCA REGULATED USED PARTS CLEANER SOLVENT, (< 1) ; CONT. (NAPTHA)		

This is to certify that the above-named materials are properly classified, described, packaged, marked and labeled and are in proper condition for transport according to the applicable regulations of the Department of Transportation, as required. I also certify that neither hazardous waste, nor PCBs have been mixed with the used oil and/or parts cleaner solvent (if applicable).

Per \_\_\_\_\_ Date \_\_\_\_\_  
Customer/Shipper HCC/Carrier

**SUMMARY OF CHARGES**  
TODAY'S SERVICE

WS #	PROD. CODE	DESCRIPTION	RTD. GALS.	UNIT	SI	NEXT SVC.	LOCATION COMMENTS	UNIT PRICE	QTY.	TOTAL CHARGE
	1602 SR	DRUM MOUNT 30 GAL. DR	102426	4	16	2072 SOLVENT		\$157.04	1	\$157.04
	174	TEMPORARY FUEL SURCHARGE		NONE				\$9.75	1	\$9.75
		170 RELEASE 1602						78.52	4	314.08
		170 LEASE 1634						127.64	1	127.64
		170 LEASE 1602						78.10	1	78.10
								TAX	31.19	\$150.82
								SERVICE SUBTOTAL		\$2,674.56

I ACCEPT THE CONTRACT CHANGES ON THIS WORK ORDER \_\_\_\_\_

**PRODUCTS**

PRODUCT DESCRIPTION:	UNIT PRICE	QTY.	CHARGE

PRODUCT SALES TAX  
SUBTOTAL PRODUCT & TAX

MACHINE INSPECTION	SERVICE/PRODUCTS CHARGE SUMMARY — THIS IS NOT AN INVOICE		
Cle... G P Lamp Assembly G P Drum Condition G P Fusible Link Installed G P Lid Unobstructed G P Property Grounded G P Local Phone # affixed G P Decals in Place G P	CUSTOMER HEREBY VERIFIES THAT THE ABOVE SERVICES WERE PERFORMED AND THAT SAID SERVICES AND THE CHARGES THEREFORE ARE HEREBY ACCEPTED. CUSTOMER ALSO HEREBY REAFFIRMS THE ACCURACY AND COMPLETENESS OF ALL INFORMATION CONTAINED IN THIS WORK ORDER AND ALL DOCUMENTATION PREVIOUSLY SUBMITTED TO HCC. THIS WORK ORDER IS DEEMED PART OF THE SERVICE AGREEMENT BETWEEN HERITAGE-CRYSTAL CLEAN, LLC AND THE CERTIFICATIONS CONTAINED THEREIN CONCERNING THE MATERIALS TO BE HANDLED AND THE SERVICES TO BE PROVIDED ARE INCORPORATED HEREIN BY REFERENCE AND DEEMED PART HEREOF AND SAID CERTIFICATIONS ARE DEEMED REMADE FOR THE SERVICES COVERED BY THIS WORK ORDER.		TODAY'S SERVICE PRODUCT & TAX TOTAL AMOUNT DUE 551.01 TOTAL REMITTANCE CHECK NUMBER
	PER <i>Pauline Singley</i>	DATE 3/27/07	

Please print or type. (Form designed for use on elite (12-pitch) typewriter.)

<b>UNIFORM HAZARDOUS WASTE MANIFEST</b>	1. Generator ID Number 078004973488	2. Page 1 of 1	3. Emergency Response Phone 800-424-9300 "1"	4. Manifest Tracking Number <b>000582995 GBF</b>
---	--	-------------------	---	---

Generator's Name and Mailing Address: STANDARD REGISTER, 1741 ROUTE 1 SOUTH, MIDDLEBURY, VT 05755-8424  
 Generator's Site Address (if different than mailing address):  
 Generator's Phone: (502) 382-1231

6. Transporter 1 Company Name HERITAGE-OIL STATE OILFIELD INC	U.S. EPA ID Number T T 2 0 0 0 1 3 0 0 6 9
7. Transporter 2 Company Name	U.S. EPA ID Number
8. Designated Facility Name and Site Address GIANT RESOURCE RECOVERY-SUMTER 755 INDUSTRIAL ROAD SUMTER, SC 29150	U.S. EPA ID Number S C 0 3 6 2 7 5 6 9 1
Facility's Phone: (803) 779-1400	

9a. HM	9b. U.S. DOT Description (including Proper Shipping Name, Hazard Class, ID Number, and Packing Group (if any))	10. Containers		11. Total Quantity	12. Unit Wt./Vol.	13. Waste Codes		
		No.	Type					
	1. PLASTIC ACETONATE, FLAMMABLE, 2.0, UNCLAS., 1000L DRUM 12E	1	UM	200	P	2001		
2.								
3.								
4.								

Special Handling Instructions and Additional Information: CC-55435-17 TSD: 77606 TSO

15. GENERATOR'S/OFFEROR'S CERTIFICATION: I hereby declare that the contents of this consignment are fully and accurately described above by the proper shipping name, and are classified, packaged, marked and labeled/placarded, and are in all respects in proper condition for transport according to applicable international and national governmental regulations. If export shipment and I am the Primary Exporter, I certify that the contents of this consignment conform to the terms of the attached EPA Acknowledgment of Consent. I certify that the waste minimization statement identified in 40 CFR 262.27(a) (if I am a large quantity generator) or (b) (if I am a small quantity generator) is true.

Generator's/Offeror's Printed/Typed Name: [Signature] Signature: [Signature] Month: [ ] Day: [ ] Year: [ ]

16. International Shipments:  Import to U.S.  Export from U.S. Port of entry/exit: Date leaving U.S.:

17. Transporter Acknowledgment of Receipt of Materials  
 Transporter 1 Printed/Typed Name: LEO A GUAY Signature: [Signature] Month: 5 Day: 25 Year: 07  
 Transporter 2 Printed/Typed Name: Signature: [Signature] Month: Day: Year:

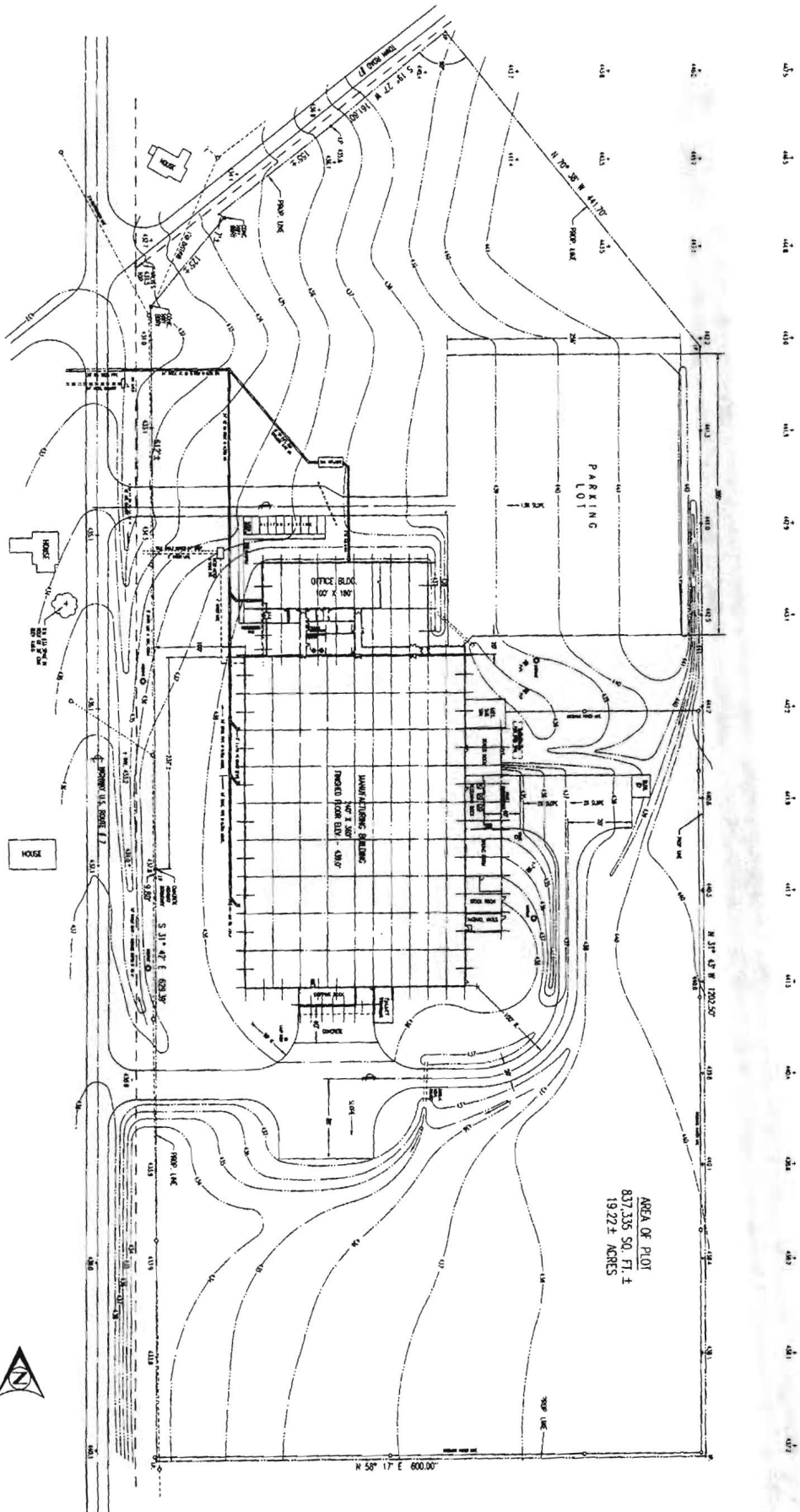
18. Discrepancy  
 18a. Discrepancy Indication Space:  Quantity  Type  Residue  Partial Rejection  Full Rejection  
 Manifest Reference Number:

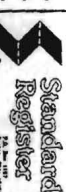
18b. Alternate Facility (or Generator) U.S. EPA ID Number:  
 Facility's Phone:

18c. Signature of Alternate Facility (or Generator) Month: Day: Year:

19. Hazardous Waste Report Management Method Codes (i.e., codes for hazardous waste treatment, disposal, and recycling systems)  
 2. 3. 4.

20. Designated Facility Owner or Operator: Certification of receipt of hazardous materials covered by the manifest except as noted in Item 18a  
 Printed/Typed Name: Signature: Month: Day: Year:




  
**Standard Register**
  
 PLANT LAYOUT
   
 PROJECT NO. PL-1400-0
   
 DATE 5/2/83
   
 DRAWN BY B.L.
   
 CHECKED BY B.L.
   
 SCALE 1" = 50'
   
 SHEET NO. B

THIS DRAWING (VERSION "B") REPLACES DRAWING SHEET NUMBER DATED 6/2/83



# Environmental *Policy*

The Company is committed to the environmental protection of our communities and our planet. It is the policy of Standard Register to conduct our business and produce our wide range of products in a manner which is environmentally acceptable.

#### Standard Register is committed to...

- Meet or exceed current published Federal and State regulations.
- Produce business documents which contain recycled fiber.
- Use raw materials and other products that reduce environmental impact.
- Expand its comprehensive recycling programs.
- Support our suppliers' efforts to increase post-consumer and recyclable content in their products.

#### Standard Register will...

- Continue to pursue alternate printing methods to reduce emissions.
- Intensify the corporate-wide waste minimization process.
- Continue efforts to eliminate waste at its source.

Standard Register is committed to the continuous improvement of our environmental processes.

A handwritten signature in black ink that reads "D. L. Rediker".

Dennis L. Rediker  
Chief Executive Officer

1.800.755.6405  
www.standardregister.com  
NYSE: SR

The logo for Standard Register, featuring a stylized 'S' symbol followed by the text "Standard Register".  
Standard Register.

To = Tom Benoit fax 802 241 3296

From = Brian O'Donel ph 717-751-4188

Re = Standard Register

Middlebury VT Plant Closure final Report

Remaining pages Phase I site assessment

Date = Nov 14, 2007

Tom,

These are the missing pages you requested.  
I hope this helps close the matter

Thanks

Brian O'Donel  
Standard Register



**Phase I Environmental Site Assessment  
Standard Register  
1741 Route 7 S  
Middlebury, VT 05753  
April 18, 2007  
LFR Project No. 034-00022-00**

Prepared for  
Dinsmore & Shohl LLP  
255 E. 5<sup>th</sup> Street  
Suite 1900  
Cincinnati, Ohio 45202

Prepared by  
LFR Inc.  
9141 Natorp Boulevard  
Suite 450  
Mason, Ohio 45040



## 1.0 SUMMARY

LFR Inc. (LFR) performed a Phase I Environmental Site Assessment (ESA) of the Standard Register facility located at 1741 Route 7 S in Middlebury, Vermont in general conformance with the scope and limitations of American Society for Testing and Materials (ASTM) Practice E 1527-05.

The Site consists of an active manufacturing facility of 116,600 square feet located on approximately 19 acres of land. The general area topography is level. Adjoining properties to the Site consist of commercial and agricultural use.

### Site and Area History

The Site was developed in 1965 with the current facility and has been used for the printing of business forms since that time. Prior to that time, the Site was used for agricultural purposes. Surrounding properties were agricultural or residential until commercial development to the north and southeast in the 1990s.

### Findings and Opinions

Based on the results of this Phase I ESA, the following findings and opinions are presented:

- There were no indicators of recognized environmental conditions (RECs) in the User-provided information or based on the owner/key site manager interview.
- There was no evidence of RECs from current or historic Site use.
- There was no evidence of RECs from current or historic adjoining property use.
- No regulatory-listed facilities were identified as RECs in the vicinity of the Site.
- Geologic and hydrogeologic information indicates conditions which are not highly conducive to the subsurface migration of contamination.

### Conclusions and Recommendations

LFR performed a Phase I ESA in general conformance with the scope and limitations of ASTM Practice E 1527-05 of the Site located at 1741 Route 7 S in Middlebury, Vermont. Any exceptions to, or deletions from, this practice are described in Section 10.0 of this report. This assessment has revealed no evidence of RECs in connection with the Site.

## 2.0 INTRODUCTION

On behalf of Dinsmore & Shohl LLP ("the Client") and their client, the Standard Register Company, LFR performed a Phase I ESA of the property located at 1741 Route 7 S, Middlebury, Vermont (Figure 1). The Site currently consists of an active manufacturing facility of 116,600 square feet located on approximately 19 acres of land.

### 2.1 Purpose

The Client requested that LFR conduct a Phase I ESA of the Site. The objective of the ESA was to identify RECs in connection with the property, to the extent feasible pursuant to the processes prescribed in American Society for Testing and Materials (ASTM) E 1527-05 guidelines. The term "REC" as defined by the ASTM is the presence or likely presence of any hazardous substances or petroleum products on a property under conditions that indicate an existing release, a past release, or the material threat of a release of any hazardous substances and/or petroleum products into structures on the property or into the ground, groundwater, or surface water of the property. The term includes hazardous substances or petroleum products even under conditions in compliance with laws. The term is not intended to include *de minimis* conditions that generally do not present a material risk of harm to public health or the environment and that generally would not be the subject of an enforcement action if brought to the attention of appropriate governmental agencies.

This Phase I ESA includes information gathered from federal, state, and local agencies; personal interviews with people familiar with the Site and surrounding properties; and a site visit conducted by LFR representatives. The report is intended to meet the requirements of ASTM E 1527-05.

### 2.2 Detailed Scope of Services

The Phase I ESA conducted by LFR included, but was not limited to, the following services:

- a review of User-provided information;
- a reconnaissance-level visit of the Site to look for evidence of the release(s) of hazardous materials and petroleum products and to assess the potential for on-Site releases of hazardous materials and/or petroleum products;
- drive-by observations of adjacent properties and the Site vicinity;
- interviews with people familiar with the Site, as available;
- review of regulatory and local agency files, as necessary;
- review of historical documents, as available; and,

- preparation of a report presenting our findings, including a summary of conclusions and recommendations.

### 2.3 Significant Assumptions

The purpose of this Phase I ESA is to provide appropriate inquiry into the previous ownership and use of the Site consistent with good commercial and customary practice in an effort to minimize liability. LFR also assumes that the information provided by the Client, the regulatory database provider, and regulatory agencies is true and reliable.

### 2.4 Limitations and Exceptions

The opinions and recommendations presented in this report are based upon the scope of services, information obtained through the performance of the services, and the schedule as agreed upon by LFR and the original party for whom this report was originally prepared. This report is an instrument of professional service and was prepared in accordance with the generally accepted standards and level of skill and care under similar conditions and circumstances established by the environmental consulting industry. To the extent that LFR relied upon any information prepared by other parties not under contract to LFR, LFR makes no representation as to the accuracy or completeness of such information. Only the party for whom this report was originally prepared, and other specifically named parties, may make use of and rely upon the information in this report, in its entirety, for a period not to exceed 180 days in accordance with the American Society for Testing and Materials' (ASTM's) "Standard Practice for Environmental Site Assessments: Phase I Environmental Site Assessment Process" ASTM Designation E 1527-05 dated November 1, 2005, and/or the Code of Federal Regulations (CFR) 40CFR Part 312 "Standards and Practices for All Appropriate Inquiries: Final Rule" dated November 1, 2005. After 180 days and prior to using the information contained herein, the report should be updated in accordance with ASTM Standards and Federal regulations.

The findings presented in this report apply solely to site conditions existing at the time when LFR's assessment was performed. It must be recognized, however, that an Environmental Site Assessment ("ESA") is intended for the purpose of evaluating the potential for contamination through limited research and investigative activities and in no way represents a conclusive or complete site characterization. Conditions in other parts of the project site may vary from those at the locations where data were collected. LFR's ability to interpret investigation results is related to the availability of the data and the extent of the investigation activities. As such, 100% confidence in ESA conclusions cannot reasonably be achieved.

LFR, therefore, does not provide any guarantees, certifications, or warranties (express or implied) that a property is free from environmental contamination. Furthermore, nothing contained in this document shall relieve any other party of its responsibility to abide by contract documents and all applicable laws, codes, regulations, or standards.

## 2.5 Special Terms and Conditions

The scope of work for this Phase I ESA did not include testing of potential asbestos-containing building materials (ACMs), testing of electrical equipment for the potential presence of polychlorinated biphenyls (PCBs) or the assessment of natural hazards such as naturally occurring asbestos or methane gas, assessment of the potential presence of radionuclides, or assessment of nonchemical hazards such as the potential for damage from earthquakes or floods. This Phase I ESA also did not include an extensive assessment of the environmental compliance status of the Site or of the businesses operating at the Site, or a health-based risk assessment.

## 2.6 User Reliance

This Phase I ESA was conducted for the use and reliance by the Client and its successors and assignees, and may be relied upon by such parties. No use of the information contained in this report by others is permissible without receiving prior written authorization to do so from LFR. LFR is not responsible for independent conclusions, opinions, or recommendations made by others or otherwise based on the findings presented in this report.

## 3.0 SITE DESCRIPTION

This section presents a general overview of the Site, improvements, and surrounding properties.

### 3.1 Location and Legal Description

The Site is located at 1741 Route 7 S, Middlebury, Vermont. A Location Map is included on Figure 1 and a Site Plan on Figure 2. According to the Addison County Auditor's Office, the Site is identified as Parcel 008118.000 and consists of 19 acres of land, more or less. The legal description is recorded in the Middlebury Land Records in Book 60 at Page 197, and is provided in Appendix I.

### 3.2 Site and Vicinity General Characteristics

The Site is located in an area of level topography, with a general slope to the southwest. Adjoining properties consist of commercial and agricultural use.

### 3.3 Current Use of the Property

The Site consists of an active manufacturing facility which produces custom business forms using an offset printing process.

### **3.4 Descriptions of Structures, Roads, and Other Improvements on the Site**

#### **3.4.1 General Description of Structures**

The Site contains a 116,600 square foot office, manufacturing facility, comprised of the following areas:

Office: 18,340 ft<sup>2</sup>.  
Manufacturing: 92,430 ft<sup>2</sup>  
Boiler Room: 2,089 ft<sup>2</sup>  
Shipping Docks: 1,689 ft<sup>2</sup>  
Receiving Docks: 1,157 ft<sup>2</sup>  
Pallet Shed: 828 ft<sup>2</sup>

The building is composed of a one-story steel frame structure on reinforced poured concrete footer with concrete block walls and metal roof. The office area is located on the front (northwest) side of the building, and is completed with drop acoustic ceilings, tile or carpeted floors, and drywall walls. The boiler room, bailing room, receiving and shipping docks, maintenance room, and hazardous waste storage room are additions that have been constructed on the northeast and southeast sides of the building. A small free-standing storage shed is located to the northeast of the main building. The remainder of the property is paved with asphalt access drives and parking areas and grassy unpaved areas.

#### **3.4.2 Roads**

The Site is bounded to the southwest by U.S. Route 7 S, from which access to the Site is provided via paved driveways. Town Road No. 7 (Foote Street) is located on the northeast side of the Site.

#### **3.4.3 Heating/Cooling System**

The building is heated with oil-fired boilers and electric air conditioning units.

#### **3.4.4 Potable Water Supply**

The area is served by the municipal water. There are no water supply wells located on the Site.

#### **3.4.5 Sewage Disposal System**

The area is served by municipal sewer.

**3.4.6 Utilities**

Underground sanitary sewer and water lines located to the southwest along route 7 S. Overhead electric, telephone, and cable service lines are located along the southwest side of the Site along Route 7 S. Overhead electric lines are also located along the property line on the northeast side of the Site.

**3.5 Current Uses of the Adjoining Properties**

Adjoining properties to the Site consist of commercial and agricultural properties, as follows:

- North: G. Stone Equipment Sales and Rental
- Northeast: Agricultural property
- Southeast: Private Road; Agricultural property; Central Vermont Public Services Corporation, Middlebury Operations Center (garages)
- Southwest: Farm and Synergy Propane Fuel Service
- Northwest: Restaurant and residential property

**4.0 USER-PROVIDED INFORMATION**

The following items regarding the Site were provided to LFR by the Client ((the "User," per ASTM E-1527-05). The User Provided Environmental Questionnaire is provided in Appendix B.

**4.1 Title Records**

The User provided LFR with an Attorney's Report on Title, which included a property description and the current deed to the Site. The deed indicated the following property ownership history:

Year	Book/Page	Grantor	Grantee
3/3/65	60/146	Victor J. Bergevin et al	Middlebury Development Corp.
3/1/65	60/147	Francis R Churchill et al	Middlebury Development Corp.
3/3/65	60/148	Aurele H. and Ruth F. Quesnel	Middlebury Development Corp.
4/21/65	60/197	Middlebury Development Corp.	The Standard Register Company

The property description is included in Appendix A.



The User indicated that the site was previously farmland. Printing oil, soy-based ink and wash-up solvents such as Mineral Spirits are used at the Site. A fuel oil leak occurred in the boiler room, which was remediated with State involvement and approval (see Section 5.4.3). The only imported fill material was landscape rock. The representative otherwise responded no to all questions.

#### **4.4 Commonly Known or Reasonably Ascertainable Information**

Based on their knowledge and experience related to the Site, are there any obvious indicators that point to the presence or likely presence of contamination at the Site?

The User responded "no" to the above question.

#### **4.5 Valuation Reduction for Environmental Issues**

The User indicated that the purchase price reasonably reflects the fair market value of the property.

#### **4.6 Owner, Property Manager, and Occupant Information**

According to the Middlebury Land Records, the Site is currently owned and occupied by the Standard Register Company.

#### **4.7 Reason for Performing Phase I**

The reason for performing the Phase I ESA was to evaluate for the presence of RECs in anticipation of selling the property.

#### **4.8 Other**

An Attorney's Report on Title was provided by the User. This document included the following information:

- Property description
- Title search documents showing records of attachments, liens, easements, covenants, restrictions, and permits
- Warranty deeds
- UST removal record of showing the removal of two 1,000-gallon USTs, one containing gasoline and one containing Kwik Dry 66 in 1987, and one 15,000-gallon fuel oil UST removed in 1986

- UST replacement record showing the removal and replacement of one UST (contents not indicated) in 1993
- Building department records, including permits for various additions to the original building
- Site sketch and building information

## 5.0 RECORDS REVIEW

### 5.1 Standard Environmental Record Sources

Regulatory agency database information was obtained from EDR, which maps and lists properties in federal and state environmental databases with existing conditions or status that may have the potential to affect the Site. The EDR report is provided as Appendix C.

#### 5.1.1 Federal Environmental Record Sources

No facilities were identified on the following federal databases required by ASTM E 1527-05:

- National Priorities List (NPL; 1.0 mile)
- Delisted NPL Site List (0.5 miles)
- Comprehensive Environmental Response, Compensation, and Liability Information System Facilities (CERCLIS; 0.5 miles)
- CERCLIS-No Further Remedial Action Planned (CERCLIS-NFRAP; 0.5 miles).
- Resource Conservation and Recovery Act (RCRA) Corrective Action Facilities (CORRACTS; 1.0 mile)
- RCRA Treatment, Storage, and Disposal Facilities (TSD; 0.5 miles)
- Federal Institutional Control/Engineering Control Registries (IC/EC; Site only)
- Emergency Response Notification System (ERNS; Site Only)

The following database had listed facilities within the identified radii:

### 5.1.1.1 RCRA Generators (Site and Adjoining Properties)

The Site was identified as a RCRA Small-Quantity Generator (SQG). Fourteen violations were reported between 1986 and 2002, all of which achieved compliance. No other RCRA Generator facilities were identified within a 1/8 mile radius.

### 5.1.2 State Environmental Record Sources

No facilities were identified on the following state databases required by ASTM E 1527-05:

- State and Tribal-Equivalent SWF/LF, State Landfill (SWF/LF; 0.5 miles)
- State and Tribal Leaking Underground Storage Tank (LUST; 0.5 miles)
- State and Tribal Institutional Controls (IC; Site Only)
- State and Tribal Engineering Controls (EC; Site Only) State and Tribal Spills Sites (0.25 miles)
- State and Tribal VCP Sites (0.25 miles)
- State and Tribal Brownfields Sites (0.25 miles)

The following databases had listed facilities within the identified radii:

#### 5.1.2.1 State and Tribal-Equivalent CERCLIS Hazardous Waste Sites (SHWS; 1.0 mile)

One SHWS facility was identified within one mile of the Site. The Site status was identified as closed, with site management activities completed in July of 2003. Based on this information, this facility is not considered to pose a threat to the Site.

#### 5.1.2.2 State and Tribal Registered Underground Storage Tank (UST; Site and Adjoining Properties)

The Site and one other UST facility were identified on the database. The Site was listed for the following USTs:

Tank ID	Date Installed	Date Removed	Product	Size	Condition
4	1965	1982	#2 and #4 Fuel Oil	15,000	Good
1	1966	1993	#2 and #4 Fuel Oil	15,000	Good
2	1973	1987	Gasoline	1,000	Fair
3	1973	1987	Hazardous substance	1,000	Fair
1	1993	Currently in Use*	#2 and #4 Fuel Oil	15,000	---

\* Composed of polyethylene-lined steel with interstitial monitoring.

The Site was not identified on the LUST database, therefore no releases from these USTs have been identified.

The other facility is located ¼ mile to the northwest, and is listed for a 3,000-gallon fuel oil UST which was installed in 1972. No removal date was indicated. The facility is not located hydrogeologically upgradient to the Site, and is therefore are not expected to pose a threat to the Site.

#### **5.1.2.3 State and Tribal Registered Aboveground Storage Tank (AST; Site and Adjoining Properties)**

Two AST facilities were identified in the vicinity, but neither are located hydrogeologically upgradient to the Site, and are therefore are not expected to pose a threat to the Site.

#### **5.1.2.4 Other**

The Site was listed on the Vermont and New York Manifest databases, which identify and track hazardous wastes generated by a facility and shipped for disposal. The Site was listed for the shipment of authorized waste PCBs (VT01) in 1986 and waste paint related materials (D001) and waste flammable liquids (F003) in 2005.

#### **5.1.3 Non-Geocoded Sites**

The "non-geocoded" section of the EDR report includes facilities that could not be properly located due to inadequate or incorrect information provided by the reporting agency. Forty-three non-geocoded facilities were listed. Based on the area reconnaissance, none of these facilities were identified adjacent to the Site.

### **5.2 Additional Environmental Records Sources**

Local fire, health, emergency response, and building department officials were contacted to research records on file for the Site regarding USTs, aboveground storage tanks (ASTs), and releases of oil and/or hazardous materials (OHM). This information is summarized as follows:

#### **5.2.1 Fire/Emergency Response Department**

Personnel at the Middlebury Volunteer Fire Department stated that there were no records of incidents regarding USTs, ASTs, or records of storage or releases of OHM for the Site or vicinity in their records.

### 5.2.2 Health Department

Personnel at the Middlebury Department of Health stated that they do not have records regarding USTs, ASTs, or the release of OHM.

### 5.2.4 Building Department

Building department records which were included in the Attorney's Report on Title provided by the User indicated that there were no building permits issued for the original building construction. Permits were present for building additions which were later added. The records do not show the presence of subsurface utilities, including USTs, sumps, or pits.

## 5.3 Physical Setting Source(s)

The Cornwall, Vermont 1983 U.S. Geological Survey 7.5 Minute topographic map was reviewed for information on the general Site and area topography, development, and usage. In addition, information on the geology and hydrogeology of the area was obtained from the Vermont Geological Survey (VGS) and the Natural Resources Conservation Service (NRCS).

### 5.3.1 Physiographic Province

The Site is located in the Vermont Lowlands Section of the Valley and Ridge Physiographic Province. This region is characterized by flat to gently rolling terrain with temperatures that are moderated by the presence of Lake Champlain to the west.

### 5.3.2 Topography and Drainage

The topography at the Site is level. Surface water on the Site drains into shallow swales which flow towards the northwest side of the Site, where they pass through a culvert underneath Route 7 S and into tributary streams which flow the southwest into a bog located approximately 0.6 miles to the southwest.

### 5.3.3 Soils

Soils at the Site consist of the Vergennes clay, 2 to 6 percent slopes. These are very deep, moderately well drained soils that formed in clayey glacial deposits on lake plains. The water table is located at depths of 1 to 3 feet below the surface in early winter through late spring. Permeability is slow to very slow.

### 5.3.4 Wetlands

Based on the Natural Resource Conservation Service National Hydric Soils list, the Vergennes soils do not meet the requirements for hydric soils, which is one of the criteria used to determine the potential presence of wetlands. No areas of wetlands were identified on the U.S. Department of the Interior Fish and Wildlife Service National Wetlands Inventory Map of the Cornwall, Vermont quadrangle. No areas of potential wetlands were identified during the Site reconnaissance on March 28, 2007.

### 5.3.5 Geology

The Site overlies lake bottom sediments consisting of silt, silty clay or clay deposited by ancestral Lake Vermont. Bedrock underlying these deposits consists of Ordovician shale, dolomite, limestone, sandstone, quartzite, slate, phyllite, and marble.

### 5.3.6 Hydrogeology

The Site is in an area which is underlain by deposits of unstratified glacial drift and bedrock that have a low groundwater yield potential. In general, wells set in these materials will yield only enough water for domestic or light commercial use.

Based on the area topography and hydrogeology, the groundwater flow direction is estimated to be to the southwest.

## 5.4 Historical Use Information on the Site

Topographic maps and aerial photographs were reviewed to evaluate the historic use of the Site and surrounding properties. Sanborn fire insurance maps and historic city directories were not available for the area. Letters of No Coverage are provided in Appendix D.

Based on information provided by the owner, the original building was constructed in 1965 by The Standard Register Company. The facility has been occupied by The Standard Register Company to the present.

### 5.4.1 Topographic Maps

Historical topographic maps for the years 1904, 1943, 1972, and 1983 were obtained through EDR, and indicated the following Site and adjacent property use:

Year	Site	Northeast	Southwest	Southeast	Northwest
1904	Undeveloped	Undeveloped	Route 7 S; residence	Undeveloped	Foote Road; residence
1943	Cady School (label				
1972	only, no building				
1983	shown)				

- Mineral spirits: This is used for cleaning the presses, and is contained in 55-gallon parts-washing units that are serviced by Heritage Crystal Clean (Photo 3).
- #2 Fuel oil: This is used for fueling the boilers and is contained in a 15,000 gallon UST located on the north side of the Site (Photo 4).
- Printing inks: The facility currently uses soy-based inks, which were changed from petroleum-based inks in the mid-1990s. The inks are stored in 1-5 gallon buckets. Waste inks are collected into 5-gallon buckets and then in a 55-gallon drum, which are then removed by Heritage Crystal Clean.
- Silver: This is used for film development and is collected in a silver recovery unit (Photo 5). Some salt staining around unit on concrete floor.
- Petroleum Naphtha: This is contained in 1 gallon containers and used to clean small parts.
- Water based glue resin: This is contained in 55-gal drums within the manufacturing area, and is non-hazardous.
- Hydraulic oil: Two 55-gal drums were stored on a rack in the west corner of the building (Photo 6).
- UV wash: This is contained in a 55-gallon drum on a mobile containment rack (Photo 7).
- Hazardous Waste Storage Room: This area contains the following waste materials: inks, absorbents, solvents, oils, and universal waste. The following virgin materials are also stored in this area: gear oils, grease, and solvents. (Photo 8).

### 6.3.2 Storage Tanks

The following storage tanks are present at the Site:

- One 15,000 gallon fuel oil UST is located on the north side of the Site. This is used to power the boilers (Photo 4).
- One 5,000-gallon mineral spirit AST is located on the north side of the building, and currently contains approximately 100 gallons (Photo 9). The AST is located in a secondary containment moat which was full of water at the time of the reconnaissance. No leaks or sheens were noted in this water.

- One 200-gallon AST is located in the free-standing storage building located on the northwest side of the Site (Photo 10). This contains diesel fuel for yard maintenance equipment.

### 6.3.3 Odors

No readily noticeable strong, pungent, or noxious odors were encountered during the reconnaissance.

### 6.3.4 Pools of Liquid

Standing water observed in containment moat around mineral spirit tank, and was also collected on shallow indentations on the ground surface and in the drainage swales. There were no odors, staining, or sheen noted in any of these areas. No other pools of liquids were observed.

### 6.3.5 Drums

Several 55 gallon drums are located within the facility, containing waste ink, hydraulic oil, and water based adhesives. Drums located in the hazardous waste storage area contained waste inks, absorbents, solvents, and oils, and virgin gear oils, grease, and solvents (Photo 8). All of the drums appeared to be in good condition. No drums were observed outside of the building.

### 6.3.6 Hazardous Substance and Petroleum Product Containers (Not Necessarily in Connection with Identified Uses)

No hazardous substances or petroleum product containers were observed that were not connected with identified uses.

### 6.3.7 Unidentified Substance Containers

No unidentified substance containers were observed.

### 6.3.8 Polychlorinated Biphenyls (PCBs)

The following electrical equipment was observed:

- One transformer is located inside on the west corner of the building. This is labeled as non-PCB.
- Two pad-mounted transformers are located in the electrical substation on the northwest side of the building (Photo 11). No labeling was observed to indicate



### 5.3.4 Wetlands

Based on the Natural Resource Conservation Service National Hydric Soils list, the Vergennes soils do not meet the requirements for hydric soils, which is one of the criteria used to determine the potential presence of wetlands. No areas of wetlands were identified on the U.S. Department of the Interior Fish and Wildlife Service National Wetlands Inventory Map of the Cornwall, Vermont quadrangle. No areas of potential wetlands were identified during the Site reconnaissance on March 28, 2007.

### 5.3.5 Geology

The Site overlies lake bottom sediments consisting of silt, silty clay or clay deposited by ancestral Lake Vermont. Bedrock underlying these deposits consists of Ordovician shale, dolomite, limestone, sandstone, quartzite, slate, phyllite, and marble.

### 5.3.6 Hydrogeology

The Site is in an area which is underlain by deposits of unstratified glacial drift and bedrock that have a low groundwater yield potential. In general, wells set in these materials will yield only enough water for domestic or light commercial use.

Based on the area topography and hydrogeology, the groundwater flow direction is estimated to be to the southwest.

## 5.4 Historical Use Information on the Site

Topographic maps and aerial photographs were reviewed to evaluate the historic use of the Site and surrounding properties. Sanborn fire insurance maps and historic city directories were not available for the area. Letters of No Coverage are provided in Appendix D.

Based on information provided by the owner, the original building was constructed in 1965 by The Standard Register Company. The facility has been occupied by The Standard Register Company to the present.

### 5.4.1 Topographic Maps

Historical topographic maps for the years 1904, 1943, 1972, and 1983 were obtained through EDR, and indicated the following Site and adjacent property use:

Year	Site	Northeast	Southwest	Southeast	Northwest
1904	Undeveloped	Undeveloped	Route 7 S; residence	Undeveloped	Foote Road; residence
1943	Cady School (label				
1972	only, no building				
1983	shown)				

The maps generally indicate that the Site and surrounding areas were undeveloped or residential during this time period. Copies of the topographic maps are included in Appendix E.

#### 5.4.2 Aerial Photographs

Aerial photographs were obtained from Addison County Natural Resource Conservation Service (NRCS). The aerial photographs indicated the following Site and surrounding area usage and development:

Year	Site	Northeast	Southwest	Southeast	Northwest
1942	Agricultural, small building on west side of Site	Agricultural	Farm	Agricultural	Residential
1962	Agricultural, small building no longer present.				
1974	Current building present, a round building or possible AST is present on the northwest side of building		Additional buildings present		
1979	An additional small building is present on the northwest side of building				
1986	The possible AST and small building are no longer present; Site configuration is same as current				
1995	Site as is	Agricultural, commercial		Agricultural,	
2003				commercial	

According to discussion with the Site representatives, the possible AST and building identified in the 1974 and 1979 may be associated with the former septic system formerly located in that area.

The aerial photographs indicate that the Site has been developed with the current building since the late 1960s or early 1970s. The surrounding areas were agricultural or residential through the time period reviewed. Copies of the aerial photographs are included in Appendix F.

#### 5.4.3 Other Site Records

Various site records including hazardous waste manifests, waste stream evaluations, inspection reports, and a fuel oil spill report were obtained from Standard Register. Based on these records, the following information regarding the use, storage, disposal or releases of OHM at the Site was obtained:

LFR Inc.

- Chemical use and storage: In addition to the information presented in Section 6.3.1, the following former chemical uses were identified:
  - Xylene was used in 2000 to 2002 as a cleaner on a trial basis. This material was collected and disposed offsite.
  - A Heritage Crystal Clean waste stream evaluation form indicated the following waste streams: waste ink from the printing presses, UV wash, fluorescent light bulbs, spent UV lamps, and adhesives.
  - Inspection Report (1995): Seven hazardous waste streams were identified, consisting of waste gear oil from machine leaks, oil-soaked sorbent, waste quench oil from surface grinder (one drum every 4 to 5 years), Safety Kleen parts washing solvent used in small parts cleaning, waste Stoddard solvent (mineral spirits) from cleaning rollers (used infrequently and mostly evaporated on use, 1 to 2 drums per year), waste ink which was recycled and shipped out as regulated nonhazardous waste, and silver from the silver recovery unit in the film processor. A former methyl ethyl ketone waste stream was eliminated. Waste nonhazardous adhesives were managed as hazardous and shipped out as regulated nonhazardous waste through Heritage.
  - Inspection Report (2002): Identified three hazardous waste streams, consisting of oil-soaked sorbents from machine leaks, waste Stoddard solvents, and parts washing solvent in Crystal-Clean serviced units. UV wash was also shipped out as hazardous waste through Heritage. The following nonhazardous wastes were also identified, and shipped out through Heritage as non-hazardous or regulated nonhazardous wastes: waste gear oil, unused inks, fluorescent light bulbs, waste adhesives and waste coatings, rags, and silver.
- Releases: In March 1997, a fuel oil leak occurred from the fuel oil line where it entered in the boiler room on the northwest side of the building. The remediation was overseen by the State of Vermont Department of Environmental Conservation, Waste Management Division and the remediation was documented in a Hazardous Materials Release Report prepared by Tim D'Avignon, the plant environmental coordinator.

## 5.5 Historical Use Information on Adjoining Properties

Historic sources indicate that surrounding properties were agricultural or residential until commercial development to the north and southeast in the 1990s.

## 6.0 SITE RECONNAISSANCE

On March 28, 2007, LFR representative Ms. JoAnne Mitock performed a reconnaissance-level assessment of the Site to observe general Site conditions and indications of the possible release(s) of chemicals to the subsurface and to identify visible evidence of RECs. Photographs taken during the reconnaissance are included in Appendix I. Ms. Mitock was accompanied by Mr. David Coughlin, the Plant Manager, and Mr. Brian O'Donel, the Environmental Health and Safety Manager for Standard Register, during the reconnaissance.

### 6.1 Methodology and Limiting Conditions

The methodology for the Site visit included observing the interior, exterior, and perimeter areas of the Site and visible portions of the adjoining properties.

### 6.2 General Site Setting

The Site consists of an active manufacturing facility located on a level, grass-covered lot (Figure 2). The Site is located in an area of agricultural and scattered commercial use.

### 6.3 Site Observations

The Site contains a manufacturing facility with offices located on the northwest side (Photo 1). The building is a one-story structure on a concrete slab with cement block walls and steel roof. The main portion of the facility houses the presses used to produce the custom business forms. A boiler room, receiving dock, bailing room for waste paper recycling, and maintenance shop are located in additions on the northeast side of the building. The maintenance shop was formerly used for hazardous waste, chemicals, and lubricating oil storage. Shipping docks and a hazardous waste storage room are located on the southeast side of the building. A small free-standing storage shed is located to the northeast of the building (Photo 2). Paved access drives are located on the northeast and southwest sides, and a paved employee parking lot is located to the north of the building. The remainder of the Site consists of grass-covered areas.

The following items were looked for or identification was attempted as indicated in the ASTM standard.

#### 6.3.1 Hazardous Substances and Petroleum Products in Connection with Identified Uses

The following substances were observed at the Site:

- **Mineral spirits:** This is used for cleaning the presses, and is contained in 55-gallon parts-washing units that are serviced by Heritage Crystal Clean (Photo 3).
- **#2 Fuel oil:** This is used for fueling the boilers and is contained in a 15,000 gallon UST located on the north side of the Site (Photo 4).
- **Printing inks:** The facility currently uses soy-based inks, which were changed from petroleum-based inks in the mid-1990s. The inks are stored in 1-5 gallon buckets. Waste inks are collected into 5-gallon buckets and then in a 55-gallon drum, which are then removed by Heritage Crystal Clean.
- **Silver:** This is used for film development and is collected in a silver recovery unit (Photo 5). Some salt staining around unit on concrete floor.
- **Petroleum Naphtha:** This is contained in 1 gallon containers and used to clean small parts.
- **Water based glue resin:** This is contained in 55-gal drums within the manufacturing area, and is non-hazardous.
- **Hydraulic oil:** Two 55-gal drums were stored on a rack in the west corner of the building (Photo 6).
- **UV wash:** This is contained in a 55-gallon drum on a mobile containment rack (Photo 7).
- **Hazardous Waste Storage Room:** This area contains the following waste materials: inks, absorbents, solvents, oils, and universal waste. The following virgin materials are also stored in this area: gear oils, grease, and solvents. (Photo 8).

### 6.3.2 Storage Tanks

The following storage tanks are present at the Site:

- One 15,000 gallon fuel oil UST is located on the north side of the Site. This is used to power the boilers (Photo 4).
- One 5,000-gallon mineral spirit AST is located on the north side of the building, and currently contains approximately 100 gallons (Photo 9). The AST is located in a secondary containment moat which was full of water at the time of the reconnaissance. No leaks or sheens were noted in this water.

- One 200-gallon AST is located in the free-standing storage building located on the northwest side of the Site (Photo 10). This contains diesel fuel for yard maintenance equipment.

### 6.3.3 Odors

No readily noticeable strong, pungent, or noxious odors were encountered during the reconnaissance.

### 6.3.4 Pools of Liquid

Standing water observed in containment moat around mineral spirit tank, and was also collected on shallow indentations on the ground surface and in the drainage swales. There were no odors, staining, or sheen noted in any of these areas. No other pools of liquids were observed.

### 6.3.5 Drums

Several 55 gallon drums are located within the facility, containing waste ink, hydraulic oil, and water based adhesives. Drums located in the hazardous waste storage area contained waste inks, absorbents, solvents, and oils, and virgin gear oils, grease, and solvents (Photo 8). All of the drums appeared to be in good condition. No drums were observed outside of the building.

### 6.3.6 Hazardous Substance and Petroleum Product Containers (Not Necessarily in Connection with Identified Uses)

No hazardous substances or petroleum product containers were observed that were not connected with identified uses.

### 6.3.7 Unidentified Substance Containers

No unidentified substance containers were observed.

### 6.3.8 Polychlorinated Biphenyls (PCBs)

The following electrical equipment was observed:

- One transformer is located inside on the west corner of the building. This is labeled as non-PCB.
- Two pad-mounted transformers are located in the electrical substation on the northwest side of the building (Photo 11). No labeling was observed to indicate

the PCB content of these transformers. No leaks or releases were observed on the underlying concrete pads.

- Three pole-mounted transformers are located along the southwest property line. These were labeled with blue stickers, however the stickers could not be read to determine the PCB content. The transformers were relatively new and in good condition, and no stains or releases were observed.
- A hydraulic lift is located inside on the northwest side of the building near the receiving dock. The potential PCB content of the hydraulic oil is unknown.

### 6.3.9 Pits, Ponds, or Lagoons

No pits, ponds, or lagoons were observed on the Site.

### 6.3.10 Stained Soil or Pavement

Stained pavement was noted in the following areas:

- Oil stains were present under the compressor for the hydraulic lift (Photo 12).
- Oily staining was present on the concrete floor in the hazardous waste storage area (Photo 8).
- White-colored staining from salts was present near the silver recovery unit in the former plate room (Photo 5).

These areas are located inside of the building, and the concrete floors were in good condition. There was no evidence of release to the outside of the building.

- Water and pigment staining was present in one of the floor drains located in a maintenance area in the manufacturing building (Photo 13). The drains are connected to the sanitary sewer system.

### 6.3.11 Stressed Vegetation

No areas of stressed vegetation were observed.

### 6.3.12 Solid Waste

Solid waste is collected in dumpsters located on the southwest side of the Site and consists of packaging, paper, and cardboard.

### 6.3.13 Wastewater

No wastewater, other than sanitary, is generated at the Site. The Site is connected to the municipal sanitary sewer system. Several floor drains are located in the facility. Most of these were clean, one had some pigment staining (Photo 13). Some bacterial staining was observed in drains in the boiler room which receive boiler overflow (Photo 14). A sump is located on the southwest side of the building, which pumps water from a restroom near the shipping docks to the sanitary sewer system.

### 6.3.14 Wells

A 2-foot diameter corrugated pipe containing a PVC standpipe was located on the north side of the building, near the electric substation. This was installed and used for oil recovery when a release from the fuel oil piping occurred in March 1997. This sump contained water at the time of the reconnaissance, but no sheen or oil was noted on the surface. No other wells were observed.

### 6.3.15 Septic Systems

The Site contact indicated that the Site is connected to the municipal sanitary sewer system. A septic system was formerly located on the northwest side of the Site, but was removed in the late 1980s or early 1990s when the site was connected to the municipal sanitary system. There were no indications of stressed vegetation or release in this area.

## 7.0 INTERVIEWS

### 7.1 Owner/Key Site Manager/Occupant

The following individuals were interviewed as part of this Phase I ESA regarding the use, storage, disposal, or releases of OHM at the Site.

- David Coughlin – Plant Manager
- Nalin Prabhu – Plant Engineering Manager
- Brian O'Donel – Environmental Health & Safety Manager
- Roger Cousino – Retired Plant Engineer

Based on the interviews, the following information regarding the Site was obtained:

- Chemical use and storage: In addition to the information presented in Section 6.3.1, the following former chemical uses were identified:



---

LFR Inc.

- Gasoline was contained in a 1,000-gallon UST formerly located on the northwest side of the building. It was used in the gas-powered pump in former septic system. The UST was removed in 1987.
- Petroleum-based printing inks were used until the mid-1990s.
- Small amounts of methylene chloride were used for cleaning numbering



State of Vermont

RCCA Info Done  
4/25/05 (lm)

307625 ✓

Department of Fish and Wildlife  
Department of Forests, Parks and Recreation  
Department of Environmental Conservation  
State Geologist  
RELAY SERVICE FOR THE HEARING IMPAIRED  
1-800-253-0191 TDD>Voice  
1-800-253-0195 Voice>TDD

APR 7 9 23 AM '05

WASTE MANAGEMENT  
DIVISION

AGENCY OF NATURAL RESOURCES  
Department of Environmental Conservation  
Management and Prevention Section  
Waste Management Division  
103 South Main Street/West Office Building  
Waterbury, Vermont 05671-0404  
(802) 241-3888  
FAX: (802) 241-3296  
www.anr.state.vt.us/dec/wmd.htm

STANDARD REGISTER CO THE  
~~TIM D'AVIGNON~~ Allen P. Lasell  
1741 RTE 7 SOUTH  
MIDDLEBURY VT 05753

Invoice Date  
3/23/2005

Generator site: VTD004273488  
STANDARD REGISTER CO THE  
1741 RTE 7 SOUTH  
MIDDLEBURY

### Hazardous Waste Generator Registration Fee Assessment

(See reverse side for Instructions)

#### Vermont ANR Estimate of Hazardous Waste Generator Status

Generator status based on Agency manifest records, averaged by quarter: SQG  
Generator status based on notification and site ID forms on file: SQG  
(Fee Schedule: LQG = \$300 SQG = \$40 CEG = no fee payment required)

Based on the above information, your annual registration fee is: \$40.00

(If your status has changed, your fee will be based on your new status.)

- ①  Based on our company records, the business is currently an:  
 LQG,  SQG,  CEG, or  no longer generates hazardous waste.
- ②  Enclosed is a check for \$ 40.00. (Payable to: Treasurer, State of Vermont)

#### Certification:

I certify under penalty of law that this document and all attachments were prepared under my direction or supervision in accordance with a system designed to assure that qualified personnel properly gather and evaluate the information submitted. Based on my inquiry of the person or persons who manage the system, or those persons directly responsible for gathering the information, the information submitted is, to the best of my knowledge and belief, true, accurate and complete. I am aware that there are significant penalties for submitting false information, including the possibility of fine and imprisonment for knowing violations.

Signed [Signature]  
(Must be signed by a designated, responsible company official)

Date 4/6/05

File Number  
01-11-030



State of Vermont

CK 241114 ✓

MAR 22 3 00 PM '04

AGENCY OF NATURAL RESOURCES  
Department of Environmental Conservation

Department of Fish and Wildlife  
Department of Forests, Parks and Recreation  
Department of Environmental Conservation  
State Geologist  
RELAY SERVICE FOR THE HEARING IMPAIRED  
1-800-253-0191 TDD>Voice  
1-800-253-0195 Voice>TDD

WASTE MANAGEMENT

Management and Prevention Section  
Waste Management Division  
103 South Main Street/West Office Building  
Waterbury, Vermont 05671-0404  
(802) 241-3888  
FAX: (802) 241-3296  
www.anr.state.vt.us/dec/wmd.htm

STANDARD REGISTER CO THE  
TIM D'AVIGNON  
1741 RTE 7 SOUTH  
MIDDLEBURY VT 05753

Generator site: YTD004273488  
STANDARD REGISTER CO THE  
1741 RTE 7 SOUTH  
MIDDLEBURY

Hazardous Waste Generator  
Registration Fee Assessment

(See reverse side for instructions)

Vermont ANR Estimate of Hazardous Waste Generator Status

Generator status based on Agency manifest records, averaged by quarter: SQG  
Generator status based on notification and site ID forms on file: SQG  
(Fee Schedule: LQG = \$200 SQG = \$25 CEG = no fee payment required)

Based on the above information, your annual registration fee is: \$25.00

(If your status has changed, your fee will be based on your new status.)

1 Based on our company records, the business is currently an:  
 LQG,  SQG,  CEG, or  no longer generates hazardous waste.

2 Enclosed is a check for \$ 25.00. (Payable to: Treasurer, State of Vermont)

Certification:

I certify under penalty of law that this document and all attachments were prepared under my direction or supervision in accordance with a system designed to assure that qualified personnel properly gather and evaluate the information submitted. Based on my inquiry of the person or persons who manage the system, or those persons directly responsible for gathering the information, the information submitted is, to the best of my knowledge and belief, true, accurate and complete. I am aware that there are significant penalties for submitting false information, including the possibility of fine and imprisonment for knowing violations.

Signed Tim D'Avignon Date 3-12-04  
(Must be signed by a designated, responsible company official)

File Number  
01-11-030

Voucher - B3503



State of Vermont

01-11-030

CK 900 2390 ✓  
Em 2/28/02  
01-11-030

Department of Fish and Wildlife  
Department of Forests, Parks and Recreation  
Department of Environmental Conservation  
State Geologist  
RELAY SERVICE FOR THE HEARING IMPAIRED  
1-800-253-0191 TDD>Voice  
1-800-253-0195 Voice>TDD

FEB 19 2002

AGENCY OF NATURAL RESOURCES  
Department of Environmental Conservation  
Management and Prevention Section  
Waste Management Division  
103 South Main Street/West Office Building  
Waterbury, Vermont 05671-0404  
(802) 241-3888  
FAX: (802) 241-3296  
www.anr.state.vt.us/dec/wmd.htm

STANDARD REGISTER COMPANY

COHARA *TIM D'AVIGNON*  
PO BOX 445 1741 RT # 7 SOUTH,  
MIDDLEBURY VT 05753

VTD004273488  
802-388-7911

1/31/2002

## Hazardous Waste Generator Notification Update Annual Registration Fee Assessment

(See reverse side for Instructions)

### Vermont ANR Estimate of Hazardous Waste Generator Status

Generator status based on Agency manifest records, averaged by quarter: SQG

Generator status based on notification forms on file: SQG

(Fee Schedule: LQG = \$200 SQG = \$25 CEG = no fee payment required)

Based on the above information, your annual registration fee is: \$25.00

(If your status has changed, your fee will be based on your new status.)

- ①  Based on our company records, the business is currently an:  
 LQG,  SQG,  CEG, or  no longer generates hazardous waste.
- ②  Enclosed is a check for \$ 25.00 . (Payable to: Treasurer, State of Vermont)

### Certification:

I certify under penalty of law that this document and all attachments were prepared under my direction or supervision in accordance with a system designed to assure that qualified personnel properly gather and evaluate the information submitted. Based on my inquiry of the person or persons who manage the system, or those persons directly responsible for gathering the information, the information submitted is, to the best of my knowledge and belief, true, accurate and complete. I am aware that there are significant penalties for submitting false information, including the possibility of fine and imprisonment for knowing violations.

Signed *Tim D'Avignon*  
(Must be signed by a designated, responsible company official)



State of Vermont

358808 ✓

AGENCY OF NATURAL RESOURCES  
Department of Environmental Conservation

Department of Fish and Wildlife  
Department of Forests, Parks, and Recreation  
Department of Environmental Conservation  
State Geologist  
RELAY SERVICES FOR THE HEARING IMPAIRED  
1-800-253-0191 TDD>Voice  
1-800-253-0195 Voice>TDD

Management and Prevention Section  
Waste Management Division  
103 South Main Street/West Office Building  
Waterbury, Vermont 05671-0404  
(802) 241-3888  
FAX: (802) 241-3296  
www.anr.state.vt.us/dec/wmd.htm

MAR 28 2006

STANDARD REGISTER CO THE  
ALLEN P LASELL  
1741 RTE 7 S  
MIDDLEBURY VT 05753

Invoice Date  
3/8/2006

Generator site: VTD004273488  
STANDARD REGISTER CO THE  
1741 RTE 7 S  
MIDDLEBURY

## Hazardous Waste Generator Registration Fee Assessment

(See reverse side for Instructions)

### Vermont ANR Estimate of Hazardous Waste Generator Status

Generator status based on Agency manifest records, averaged by quarter: Nothing Shipped

Generator status based on notification and site ID forms on file: SQG

(Fee Schedule: LQG = \$300 SQG = \$40 CEG = no fee payment required)

Based on the above information, your annual registration fee is: \$40.00

(If your status has changed, your fee will be based on your new status.)

①  Based on our company records, the business is currently an:  
 LQG,  SQG,  CEG, or  no longer generates hazardous waste.

②  Enclosed is a check for \$ \_\_\_\_\_ (Payable to: Treasurer, State of Vermont)

#### Certification:

I certify under penalty of law that this document and all attachments were prepared under my direction or supervision in accordance with a system designed to assure that qualified personnel properly gather and evaluate the information submitted. Based on my inquiry of the person or persons who manage the system, or those persons directly responsible for gathering the information, the information submitted is, to the best of my knowledge and belief, true, accurate and complete. I am aware that there are significant penalties for submitting false information, including the possibility of fine and imprisonment for knowing violations.

Signed Jeremy Rank Date 3/22/06  
Print Name and Title Jeremy Rank Plant Engineering Manager

File Number  
01-11-030

(Must be signed by a designated, responsible company official)

035132

RECEIVED  
JUN 06 2007  
WMD

Standard Register  
Brian O'Donel  
121 Mt Zion Rd  
York, PA 17402  
Ph 717-799-9733

Chief Haz Waste Mgmt  
Tom Benoit  
103 South Main St West Office Bldg  
Waterbury, VT 05671-0404

For Deposit To  
State of Vermont  
Department of Environmental  
Conservation Business Unit #6140  
Howard Bank A/C #5240113051

Dear Tom;

Attached please find the Closure Plan discussed per telecon for the Standard Register Plant located at 1741 Rt. 7 South Middlebury, VT 05753. Per your request I have included description, site plan, clean up activities, manifests, and MSDS's for your review/approval. Please let me know if there is any additional information.

Respectfully yours,



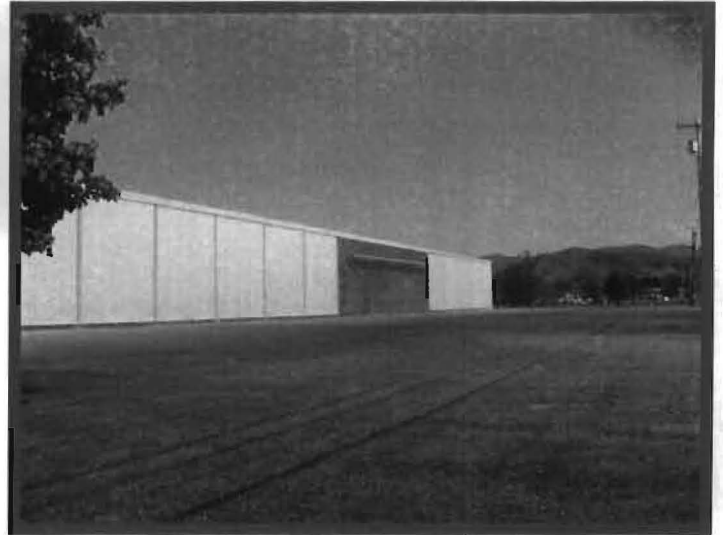
Brian O'Donel  
Environmental Health  
And Safety



# Plant Closure Plan

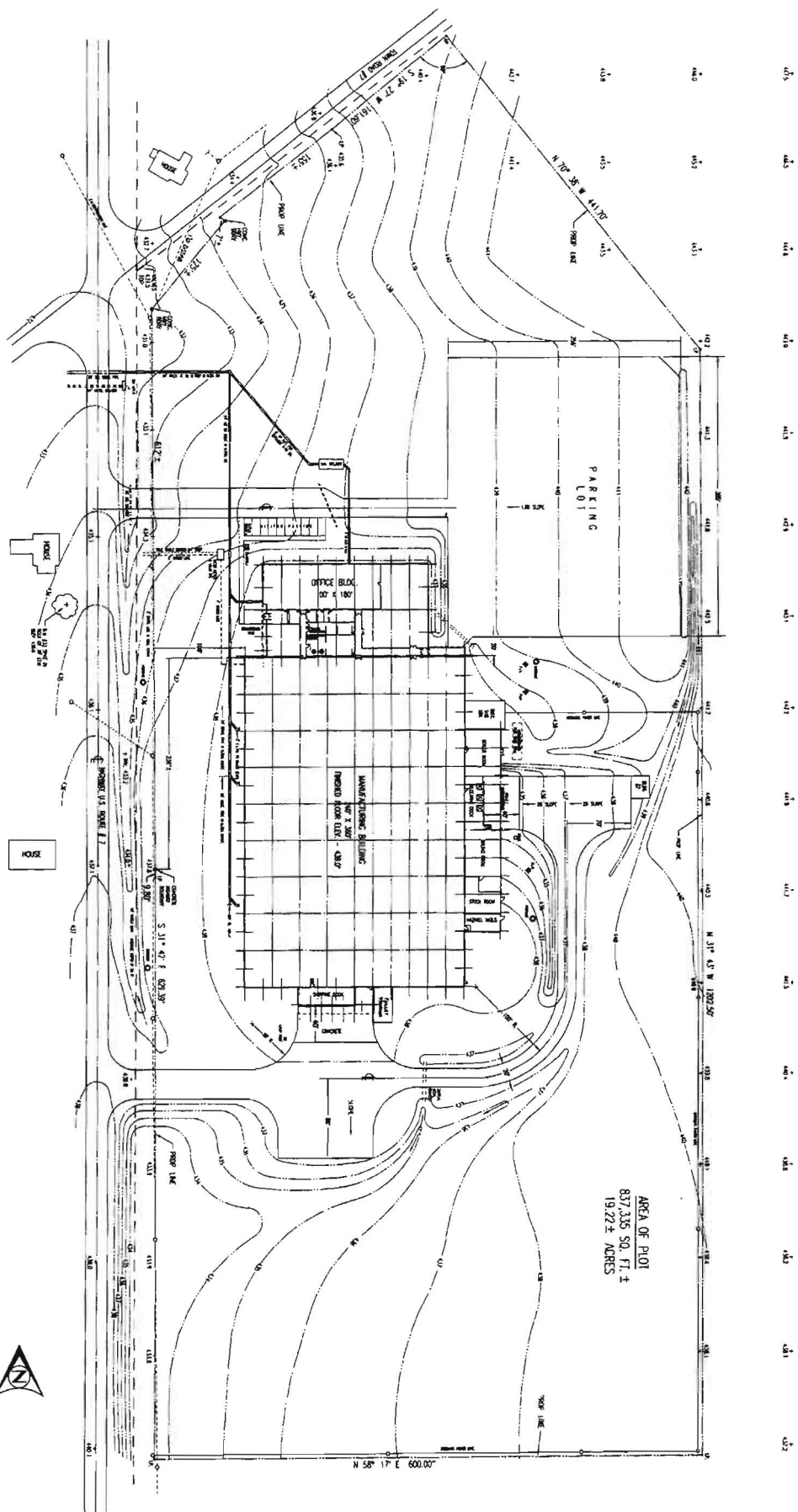
USEPA Generator ID#: VTD004273488





- Located: 1741 Rt. 7 South  
Middlebury, VT 05753
- Facility includes manufacturing and office space.
- In operation since 1965





AREA OF PLOT  
 837,335 SQ. FT. ±  
 19.22 ± ACRES



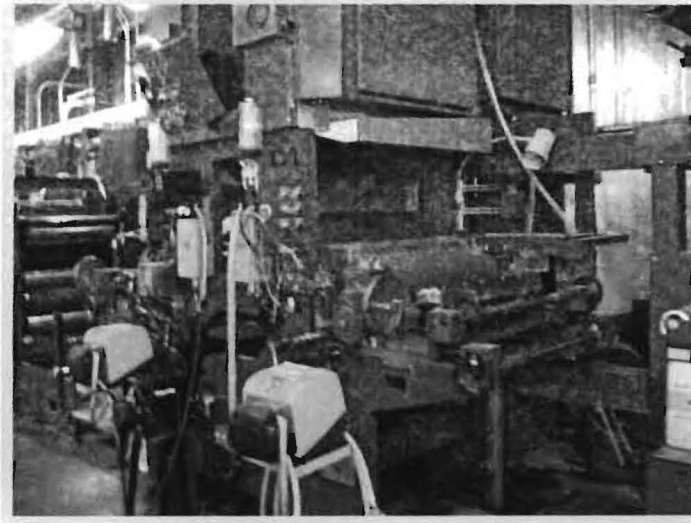
		PLANT LAYOUT	
		WINDSOR, VT	
BY	DATE	BY	DATE
Bill Elliott	6/2/93	Bill Elliott	3/2/95
PROJECT NO. PL-1400-D		SCALE 1" = 30'	

THIS DRAWING (REVISION '07) REPLACES DRAWING SHEET NUMBER DAVID 6/2/93

# Manufacturing Process



- **Business Forms Printing and boxing**
- **Lithographic Printing (No Ink Solvents)**
- **Inks Soybean and Water base**
- **Very few Hazardous Constituents**



- Substances used include:
  - Cleaning solvents (i.e. Mineral Spirits)
  - Oils (i.e. Gear Lubricating oils)
  - Adhesives (non hazardous)
  - Batteries (recycled)
  - Light bulbs (Universal Waste)
- Contracted with Heritage-Crystal Clean, LLC to transport and remove all wastes
  - EPA ID#: ILR000230062

# Clean up Activities

## Issue

## Action

- |    |                           |   |
|----|---------------------------|---|
| 1. | Waste Storage Area        | Sort, Remove all waste via Crystal Clean, Clean Room, Scrub Floors  |
| 2. | Maintenance Area          | Total Clean up, Scrub Floors  |
| 3. | Production Area           | Remove all equipment and scrub floors, return unused chemicals to suppliers or sister plants, all else to Crystal Clean for disposal. |
| 4. | Outside Storage           | Clean up all Lawn care equipment.   |
| 5. | Above ground Solvent Tank | Remove Solvent  |
| 6. | Underground Fuel Oil Tank | Inspect for Issues  |
| 7. | Paper Storage             | Remove all Paper Rolls and scrub floors   |

# **Additional Information**

- All Production Equipment, Chemicals, and Raw Materials will be removed.
- Very few Hazardous Materials ever used.
- Phase I study will be completed.
- All known issues addressed.
- Standard Register is very astute and proactive in regards to all aspects of Environmental Health and Safety



- Copies of manifests from Heritage-Crystal Clean, LLC, during plant closure, May and June of 2007, attached.
- MSDS's of hazardous substances attached.



# Environmental *Policy*

The Company is committed to the environmental protection of our communities and our planet. It is the policy of Standard Register to conduct our business and produce our wide range of products in a manner which is environmentally acceptable.

#### **Standard Register is committed to...**

- Meet or exceed current published Federal and State regulations.
- Produce business documents which contain recycled fiber.
- Use raw materials and other products that reduce environmental impact.
- Expand its comprehensive recycling programs.
- Support our suppliers' efforts to increase post-consumer and recyclable content in their products.

#### **Standard Register will...**

- Continue to pursue alternate printing methods to reduce emissions.
- Intensify the corporate-wide waste minimization process.
- Continue efforts to eliminate waste at its source.

Standard Register is committed to the continuous improvement of our environmental processes.

A handwritten signature in black ink, appearing to read "D. L. Rediker".

Dennis L. Rediker  
Chief Executive Officer

# Contacts

- Brian O'Donel  
Standard Register EH&S  
ph 717-751-4188  
Standard Register  
121 Mt Zion Rd  
York, PA 17402
- Robin Tindall  
Standard Register  
1741 Rt. 7 South  
Middlebury, VT 05753



Loc: ALBANY

Route: ALBANY - ROUTE 1

WO#: 24LSY  
~~PP-1756888~~

Please print or type. (Form designed for use on elite (12-pitch) typewriter.)

Form Approved. OMB No. 2050-0039

Send to STATE

UNIFORM HAZARDOUS WASTE MANIFEST	1. Generator ID Number VT00042734RR	2. Page 1 of 1	3. Emergency Response Phone 800-424-9300 "1"	4. Manifest Tracking Number 000582995 GBF
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5. Generator's Name and Mailing Address STANDARD REGISTER 1741 ROUTE 7 SOUTH MIDDLEBURY, VT 05753-8424		Generator's Site Address (if different than mailing address)		
Generator's Phone: (802) 382-2231				

6. Transporter 1 Company Name HERITAGE-CRYSTAL CLEAN, LLC	U.S. EPA ID Number TTR000130062
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7. Transporter 2 Company Name	U.S. EPA ID Number
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8. Designated Facility Name and Site Address GIANT RESOURCE RECOVERY-SUMTER 755 INDUSTRIAL ROAD SUMTER, SC 29150		U.S. EPA ID Number SC0036275626		
Facility's Phone: (803) 773-1400				

9a. HM	9b. U.S. DOT Description (including Proper Shipping Name, Hazard Class, ID Number, and Packing Group (if any))	10. Containers		11. Total Quantity	12. Unit Wt./Vol.	13. Waste Codes		
		No.	Type					
X	WASTE AEROSOLS, FLAMMABLE, 2.1, UN1950, (DOU1) ERG# 126	1	DM	200	P	0001		

14. Special Handling Instructions and Additional Information 1) CC: 45435-17    TSD: 77006    TSO			
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15. GENERATOR'S/OFFEROR'S CERTIFICATION: I hereby declare that the contents of this consignment are fully and accurately described above by the proper shipping name, and are classified, packaged, marked and labeled/placarded, and are in all respects in proper condition for transport according to applicable international and national governmental regulations. If export shipment and I am the Primary Exporter, I certify that the contents of this consignment conform to the terms of the attached EPA Acknowledgment of Consent. I certify that the waste minimization statement identified in 40 CFR 262.27(a) (if I am a large quantity generator) or (b) (if I am a small quantity generator) is true.

Generator's/Offeror's Printed/Typed Name NALIN FRADHIC	Signature Nalin Fradhu	Month 5	Day 22	Year 07
---	---------------------------	------------	-----------	------------

16. International Shipments <input type="checkbox"/> Import to U.S. <input type="checkbox"/> Export from U.S.	Port of entry/exit: Date leaving U.S.:
--	---

17. Transporter Acknowledgment of Receipt of Materials				
Transporter 1 Printed/Typed Name LEO A GUAY	Signature Leo A Guay	Month 5	Day 22	Year 07
Transporter 2 Printed/Typed Name	Signature	Month	Day	Year

18. Discrepancy				
18a. Discrepancy Indication Space <input type="checkbox"/> Quantity <input type="checkbox"/> Type <input type="checkbox"/> Residue <input type="checkbox"/> Partial Rejection <input type="checkbox"/> Full Rejection				
Manifest Reference Number:				

18b. Alternate Facility (or Generator)		U.S. EPA ID Number		
Facility's Phone:				

18c. Signature of Alternate Facility (or Generator)				Month	Day	Year
---	--	--	--	-------	-----	------

Hazardous Waste Report Management Method Codes (i.e., codes for hazardous waste treatment, disposal, and recycling systems)			
1.	2.	3.	4.

20. Designated Facility Owner or Operator: Certification of receipt of hazardous materials covered by the manifest except as noted in Item 18a				
Printed/Typed Name	Signature	Month	Day	Year

GENERATOR  
TRANSPORTER INT'L  
DESIGNATED FACILITY

**HERITAGE-CRYSTAL CLEAN - BILL OF LADING**

HCC Use: Loc: ALBANY Route: ALBANY - ROUTE 1 Page 1 of 3  
 Doc #: 646198-1 PB:070501 WO #: PP-1756788

Shipper's Name And Mailing Address

STANDARD REGISTER  
 1741 ROUTE 7 SOUTH  
 MIDDLEBURY, VT 05753-8424

Shipper EPA Id  
 VTD004273488  
Shipper State

Generator Phone: (802)382-2231

Transporter 1 Company Name  
 HERITAGE-CRYSTAL CLEAN, LLC  
Transporter 2 Company Name

Transp 1 EPA Id  
 ILR000130062

Transp 1 State Id

Transp 1 Phone  
 (847)836-5670

Transp 2 EPA Id

Transp 2 State Id

Transp 2 Phone

Transporter 3 Company Name

Transp 3 EPA Id

Transp 3 State Id

Transp 3 Phone

Receiving Facility  
 HERITAGE-CRYSTAL CLEAN, LLC  
 199 CANAL ROAD  
 FAIRLESS HILLS, PA 19030

Facility EPA Id  
 ILR000130062

Facility State Id

Facility Phone  
 (215)428-1050

24Hr Emergency  
 (800)424-9300, "R"

Shipping Description

		Container No.	Total Qty	Units
A	NON-DOT/RCRA REGULATED (NON-HAZARDOUS ABSORBANT/DEBRIS)	1	DM 700	P

Special Handling Instructions, Additional Information and Handling Codes (as Applicable)  
 A) CC:45435-9 TSD:45435-9 (1014) S01 (\*3PFB)

**GENERATOR'S CERTIFICATION:**

This is to certify that the above-named materials are properly classified, described, packaged, marked and labeled and are in proper condition for transport according to the applicable regulations of DOT, as required.

Printed/Typed Name Signature

Signature Date

**Transporter 1 Acknowledgement of Receipt Materials**

Printed/Typed Name

Signature Date

**Transporter 2 Acknowledgement of Receipt Materials**

Printed/Typed Name

Signature Date

**Transporter 3 Acknowledgement of Receipt Materials**

Printed/Typed Name

Signature Date

**Additional Description / Discrepancies**

[Empty box for additional description / discrepancies]

**Receiving Facility:** Certification of receipt of waste materials covered by this bill of lading.

Printed/Typed Name

Signature Date





May. 30. 2007-11:14AM



**Heritage-Crystal Clean, LLC**  
**WASTESTREAM SURVEY FORM**

Approval #	
CCMS #	
CC Cust #	
SA #	497356

HCC Location: Albany (HCC109) HCC Representative: LEO GUAY  
 Phone: (877) 938-7948 Fax: (847) 836-6169

**Section A - CUSTOMER INFORMATION:**

**MAILING ADDRESS (if different):**

Generator: Standard Register	Contact:
Address: 1741 Route 7 South	Company Name:
City: Middlebury	Address:
State: VT Zip: 05753	City:
Phone: 802-382-2231	State: Zip:
USEPA ID # VT D 004273488	PACKAGE: Container
State ID #	Container Type: DM
GENERATOR STATUS: SQG	SIC / NAICS CODE: 2753
	Container Size: 55 GAL

**Section B - WASTESTREAM INFORMATION:**

Common Name: KWIK DRI 66  
 Generating Process: NEW PRODUCT  
 DOT Description: ADVISE

**Section C - CHEMICAL COMPOSITION:** Use specific chemical names, list all constituents present in wastestream.

Attach available analyses or MSDS's. Remember to identify Form T/TRI Toxic Chemicals. Total composition must equal or exceed 100%

Constituents	Range	Units	
ALIPHATIC HYDROCARBONS (STODDARD TYPE)	100	%	<input checked="" type="checkbox"/>
			<input type="checkbox"/>
			<input type="checkbox"/>
			<input type="checkbox"/>
			<input type="checkbox"/>
			<input type="checkbox"/>

Put X in box if MSDS is Attached  
 Put X in box if UHC is Attached  
 Note: UHC Forms required for LQG and SQG

**Section D - IDENTIFY WASTE CODES:**

US EPA Waste Codes: ADVISE  
 US EPA Form Codes: ADVISE US EPA Source Codes: ADVISE  
 State Waste Codes: ADVISE

**Section E - WASTESTREAM DESCRIPTORS:**

Color: CLEAR Appearance: CLEAR Odor: HYDRCARBON  
 % Solids: 0% % Liquids: 100%

**Section F - WASTESTREAM PARAMETERS:**

Physical State: LIQUID SOLID LIQUID SLUDGE SEMI-SLUDGE POWDER GAS  
 If solid, are there free liquids  Y / N (If no, will waste dump from a Drum?)  Y / N  
 Is the wastestream pumpable? YES Y / N  
 Does the wastestream contain debris? NO Y / N

**pH or pH Range:**

Flash Point: 100-140 deg F <100 or 100 - 140 or 141 - 200 or >200 (DEG F)  
 Boiling Point: >100 deg F <100 or >100 (DEG F)  
 Fuel Value: >10000 deg <2000 or 2000 - 6000 or 6000 - 10000 or >10000 (BTU/LB)

May 30, 2007-11:15AM

Is the waste generated from, or associated with metal finishing?  NO  Y / N

If the waste is federally hazardous, is the waste subject to Subpart CC regulations at 40 CFR 265.1085-1091 (i.e. hazardous waste)?  NO  Y / N

Does the material meet the definition of Used Oil (40 CFR 279)?  NO  Y / N

If yes, has the waste been mixed with hazardous waste?  NO  Y / N NA



Does the wastestream contain asbestos?  NO  Y / N If Yes, is the asbestos friable?  NA  Y / N NA

Does the wastestream contain human sanitary, biological, or infectious waste?  NO  Y / N

Does the wastestream contain dioxins or furans or dioxin-precursors?  NO  Y / N

Does the wastestream contain radioactive wastes?  NO  Y / N

Does the wastestream contain PCB's  NO  Y / N If Yes, are they non leaking? \_\_\_\_\_ ppm

Is the wastestream air reactive, autoignitable, pyrophoric, or spontaneously combustible?  NO  Y / N

Is the wastestream water reactive?  NO  Y / N

Does the wastestream present other compatibility concerns?  NO  Y / N If Yes, specify \_\_\_\_\_

Is the wastestream dusty  NO  Y / N

Does the wastestream contain chelating agents?  NO  Y / N

If wastestream carries F001, F002, F003, F004, and/or F005 codes, identify concentration in mg/L or mg/kg for each constituent. However, if constituent is present but concentration is unknown, check the line(s) that corresponds.

Acetone	2-Ethoxyethanol	2-Nitropropane
Benzene	Ethyl Acetate	Pyridine
n-Butyl Alcohol	Ethyl Benzene	Tetrachloroethylene
Carbon Disulfide	Ethyl Ether	Toluene
Carbon Tetrachloride	Isobutanol	1,1,1-Trichloroethane
Chlorobenzene	Methanol	1,1,2-Trichloroethane
Chloroform (m and p)	Methylene Chloride	Trichloroethylene
o-Creol	Methyl Ethyl Ketone	1,1,2-Trichloro-1,2,2-trifluoroethane
Cyclohexanone	Methyl Isobutyl Ketone	Trichlorofluoromethane
1,2-Dichlorobenzene	Nitrobenzene	Xylenes (total)

23. Certification: Sign and date the certification.

- This constitutes a "Wastestream Survey" for purposes of services rendered hereunder. HCC will create and upon request, deliver to Customer a document called an "Approval for Waste Services" based on (i) the information contained in this Wastestream Survey, and (ii) where applicable, the results of the analysis performed on the sample that was submitted with such Survey. A separate Approval for Waste Services is generated for each Wastestream Survey submitted by Customer. The identification number (Wastestream #) assigned to the Wastestream Survey is set forth in the Approval for Waste Services. Customer further acknowledges and agrees that HCC bases its testing, evaluation, collection, handling and processing procedures on the description of Waste Materials contained in the Wastestream Survey and/or Approval for Waste Services ("Waste Materials") relating to Waste Materials.
  - Customer will tender and HCC will collect the Waste Materials at Customer's facility. At such time, Customer will apprise HCC of the Wastestream Number(s) assigned to the Waste Materials tendered, and Customer will sign HCC's "Work Order" form which will state the Wastestream Number assigned to the Waste Materials being tendered. By signing the Work Order, Customer agrees that it represents and warrants to HCC that the Waste Materials tendered under that Work Order: (i) are accurately and completely described in the Wastestream Survey or the delivered Approval for Waste Services bearing the Wastestream Number assigned to such Waste Materials and shown on the Work Order; and (ii) were produced in the same process that produced the Waste Materials described in said Wastestream Survey or Approval for Waste Services. Waste Materials that do not conform to the description thereof in said HCC documentation will be handled in the manner set forth in Section 3 below.
  - Subject to the remaining provisions of this Section 3, at the time HCC takes possession of and removes the Waste Materials from the Customer's facility, title, risk of loss and all other incidents of ownership to the Waste Materials shall be transferred from Customer and vested in HCC. Any marketable or usable material HCC may recover from the Waste Materials shall be the sole property of HCC. HCC shall have the right, but not the obligation, to inspect, sample, analyze and/or test any Waste Materials before accepting such Waste Materials. Failure or refusal of Customer to provide HCC with access to such Waste Materials prior to HCC's acceptance thereof shall be deemed a nonconforming tender of those Waste Materials. HCC's exercise of, or failure to exercise, said right to inspect and sample shall not operate to relieve Customer of its responsibility or liability under this Agreement. Waste Materials shall be considered nonconforming for purposes of this Agreement if they do not conform to the description contained in this Wastestream Survey or the delivered Approval for Waste Services which bears the Wastestream Number shown on the Work Order that was signed by the Customer when the Waste Materials were tendered to HCC. In the event that any or all Waste Materials are discovered to be nonconforming, HCC may refuse to accept, or revoke its prior acceptance of the Waste Materials. A justified revocation of acceptance shall operate to revert title, risk of loss and all other incidents of ownership in or to such Waste Materials in Customer at the time revocation and reasons therefore are communicated orally or in writing to Customer. Waste Materials for which HCC has revoked its acceptance shall be properly stored and prepared for lawful transportation by HCC. Such Waste Materials will be returned to Customer within a reasonable time; unless within such time the parties agree to some alternative manner of handling and/or lawful disposition, and HCC confirms such agreement in writing to Customer. Payment shall be made in accordance with such agreement. Customer shall further pay HCC its reasonable expenses and charges for analyzing, handling, loading, preparing, transporting and storing nonconforming Waste Materials returned to Customer under this section. HCC's acceptance of any load or portion of a load of nonconforming Waste Materials shall not be deemed a waiver of HCC's right to reject any other loads of nonconforming Waste Materials.
  - Customer represents and warrants that: (a) all Waste Materials to be transferred to HCC hereunder will conform to the description of such Waste Materials contained in the Wastestream Survey or Approval for Waste Services which bears the Wastestream Number associated with that particular stream of Waste Materials; (b) said description of the Waste Materials is true and complete and fairly advises HCC of the hazards and risks known by the Customer to be incident to the collection, recycling, treatment and/or disposal of the Waste Materials; (c) containers tendered by it with the Waste Materials shall be clean, fit and proper for the purpose for which they are intended, and shall comply with all applicable laws, regulations and orders; (d) it holds clear title to all Waste Materials to be transferred hereunder, and it is under no legal restraint or order which would prohibit transfer of possession or title to such Waste Materials to HCC.
  - Customer grants HCC, its agents and employees reasonable access to Customer's premises while providing service.
  - HCC has the right to utilize various disposal site options for the Waste Materials described in the attached Waste Stream Survey or Approval for Waste Services which bears the Wastestream Number associated with that particular stream of Waste Materials, provided any such site has the appropriate permits for and will accept the Waste Materials. However, under RCRA and CERCLA laws and regulations, the generator of the Waste Materials has the ultimate legal liability for the evaluation and selection of the proper disposal site. HCC also has the right to provide transportation services.
- I hereby certify that all information submitted herein and attached contains true, accurate and complete descriptions of the Waste Materials. Any sample submitted for analysis is representative of the Waste Materials being offered for approval. All relevant information regarding known or suspected hazards in the possession of the generator has been disclosed. I have reviewed the physical facilities, administrative practices, and operational procedures (or have directed the completion of such a review) and based on this review do willingly make this certification. I authorize HCC to obtain a sample from any waste shipment for purposes of re-certification. I will notify HCC if my generator status, waste description or any other information on this form changes.

PRINTED NAME: Robin H Tindall COMPANY NAME: Standard Register

SIGNATURE: Robin H Tindall DATE: 5/30/7 Revised 5/04/05

UNDERLYING HAZARDOUS CONSTITUENTS – TREATMENT STANDARDS  
HERITAGE FORM HERWS04

Generator Name STANDARD REGISTER Wastestream Number \_\_\_\_\_  
Common Name KWIK DRI 66

This form lists the Universal Treatment Standards (UTS) constituents and their wastewater and non-wastewater treatment standards. Use this table to identify Underlying Hazardous Constituents for D001 - D043. If a waste contains an Underlying Hazardous Constituent on this table at a concentration above the applicable treatment standard, please mark the boxes next to the Underlying Hazardous Constituent. A wastewater is any waste with less than 1% by weight total organic carbon and less than 1% by weight total suspended solids. All other wastes are Non-Wastewaters. If the wastestream does not contain Underlying Hazardous constituents, do not mark any box next to a constituent. Instead mark the box at the end of the form indicating no Underlying Hazardous Constituents.

Identify Constituent	Chemical Identification Number	Regulated Constituent	Wastewater (mg/L)	Nonwastewater (mg/Kg)	Identify Constituent	Chemical Identification Number	Regulated constituent	Wastewater (mg/L)	Nonwastewater (mg/Kg)
	52	Acenaphthylene	0.059	3.4		244	Carbenzadim	0.056	1.4
	51	Acenaphthene	0.059	3.4		245	Carbofuran	0.006	0.14
	53	ACETONE	0.28	160		246	Carbofuran phenol	0.056	1.4
	54	Acetonitrile	5.6	38		83	CARBON DISULFIDE	3.8	4.8 mg/L TCLP
	55	Acetophenone	0.01	9.7		84	CARBON TETRACHLORIDE	0.057	6
	28	2-Acetylaminofluorene	0.059	140		247	Carbosulfan	0.028	1.4
	58	Acrolein	0.29	NA		85	Chlordane (alpha and gamma isomers)	0.0033	0.28
	209	Acrylamide	19	23		45	p-Chloroaniline	0.46	16
	57	Acrylonitrile	0.24	84		86	CHLOROBENZENE	0.057	6.0
	234	Aldicarb sulfone	0.056	0.28		87	Chlorobenzilate	0.1	NA
	58	Aldrin	0.021	0.086		221	2-Chloro-1,3-butadiene	0.057	0.28
	43	4-Aminobiphenyl	0.13	NA		88	Chlorodibromomethane	0.057	16
	80	Aniline	0.81	14		89	Chloroethane	0.27	6
	61	Anthracene	0.059	3.4		75	bis(2-Chloroethoxy)methane	0.036	7.2
	63	Arsinite	0.36	NA		76	bis(2-Chloroethyl)ether	0.033	6
	59	alpha-BHC	0.0001 4	0.066		90	Chloroform	0.046	6
	74	beta-BHC	0.0001 4	0.066		77	bis(2-Chloroisopropyl)ether	0.055	7.2
	98	delta-BHC	0.023	0.066		46	p-Chloro-m-cresol	0.018	14
	125	gamma-BHC	0.0017	0.066		29	2-Chloroethyl vinyl ether	0.062	NA
	228	Barban	0.056	1.4		91	Chloromethane (Methyl chloride)	0.19	30
	235	Bendocarb	0.056	1.4		30	2-Chloronaphthalene	0.055	5.6
	237	Benomyl	0.056	1.4		31	2-Chlorophenol	0.044	5.7
	67	BENZENE	0.14	10		37	3-Chloropropylene	0.036	30
	72	Benz(a)anthracene	0.059	3.4		93	Chrysene	0.059	3.4
	66	Benzal chloride	0.055	6		205	o-CRESOL	0.11	5.6
	69	Benzo(b)fluoranthene	0.11	6.8		38	m-CRESOL	0.77	5.6
	71	Benzo(k)fluoranthene	0.11	6.8		47	p-CRESOL	0.77	5.6
	70	Benzo(g,h,i)perylene	0.0055	1.8		284	Cresol - Mixed Isomers (Sum of o-, m-, and p- isomers)	0.88	11.2
	68	Benzo(a)pyrene	0.061	3.4		248	m-Cumenyl methylcarbamate	0.056	1.4
	78	Bromodichloromethane	0.35	15		97	CYCLOHEXANONE	0.36	0.75 mg/L TCLP
	80	Methyl bromide (Bromomethane)	0.11	15		211	o,p'-DDD	0.023	0.087
	44	4-Bromophenyl phenyl ether	0.055	15		40	p,p'-DDD	0.023	0.087
	155	n-BUTYL ALCOHOL	5.6	2.8		210	o,p'-DDE	0.031	0.087
	242	Butylate	0.042	1.4		41	p,p'-DDE	0.031	0.087
	81	Butyl benzyl phthalate	0.017	28		212	o,p'-DDT	0.0039	0.087
	36	2-sec-Butyl-4,6-dinitrophenol (Dinoseb)	0.066	2.5		42	p,p'-DDT	0.0039	0.087

UNDERLYING HAZARDOUS CONSTITUENTS – TREATMENT STANDARDS  
HERITAGE FORM HERWS04

Generator Name STANDARD REGISTER

Wastestream Number

Common Name KWIK DRI 66

This form lists the Universal Treatment Standards (UTS) constituents and their wastewater and non-wastewater treatment standards. Use this table to identify Underlying Hazardous Constituents for D001 - D043. If a waste contains an Underlying Hazardous Constituent on this table at a concentration above the applicable treatment standard, please mark the boxes next to the Underlying Hazardous Constituent. A wastewater is any waste with less than 1% by weight total organic carbon and less than 1% by weight total suspended solids. All other wastes are Non-Wastewaters. If the wastestream does not contain Underlying Hazardous constituents, do not mark any box next to a constituent. Instead mark the box at the end of the form indicating no Underlying Hazardous Constituents.

Identify Constituent	Chemical Identification Number	Regulated Constituent	Wastewater (mg/L)	Nonwastewater (mg/Kg)	Identify Constituent	Chemical Identification Number	Regulated constituent	Wastewater (mg/L)	Nonwastewater (mg/Kg)
	243	Carbaryl	0.008	0.14		99	Dibenz (a,h) anthracene	0.055	8.2
	207	Dibenz (a,e) pyrene	0.081	NA		252	Dithiocarbamates (total)	0.028	28
	12	1,2-Dibromo-3-chloropropane	0.11	15		111	Endosulfan I	0.023	0.066
	11	1,2-Dibromoethane (Ethylene dibromide)	0.028	15		112	Endosulfan II	0.028	0.13
	100	Dibromomethane	0.11	15		113	Endosulfan sulfate	0.029	0.13
	17	m-Dichlorobenzene	0.038	6		114	Endrin	0.0028	0.13
	13	o-DICHLOROBENZENE	0.088	6		115	Endrin aldehyde	0.025	0.13
	18	p-Dichlorobenzene	0.09	6		253	EPTC	0.042	1.4
	101	Dichlorodifluoromethane	0.23	7.2		32	2-ETHOXYETHANOL (3)	NA	NA
	6	1,1-Dichloroethane	0.059	8		118	ETHYL ACETATE	0.34	33
	14	1,2-Dichloroethane	0.21	8		117	ETHYL BENZENE	0.057	10
	7	1,1-Dichloroethylene	0.025	8		219	Ethyl cyanide (Propanenitrile)	0.24	360
	193	trans-1,2-Dichloroethylene	0.054	30		118	ETHYL ETHER	0.12	160
	22	2,4-Dichlorophenol	0.044	14		282	bis(2-Ethylhexyl)phthalate	0.28	28
	27	2,6-Dichlorophenol	0.044	14		119	Ethyl methacrylate	0.14	160
	23	2,4-D (2,4-Dichlorophenoxyacetic acid)	0.72	10		217	Ethylene oxide	0.12	NA
	15	1,2-Dichloropropane	0.85	18		120	Famphur	0.017	15
	94	cis-1,3-Dichloropropylene	0.036	18		121	Fluoroanthene	0.088	3.4
	194	trans-1,3-Dichloropropylene	0.036	18		122	Fluorene	0.069	3.4
	103	Dieldrin	0.017	0.13		254	Formateate hydrochloride	0.056	1.4
	104	Diethyl phthalate	0.2	28		126	Heptachlor	0.0012	0.066
	50	p-Dimethylaminoazobenzene	0.13	NA		127	Heptachlor epoxide	0.016	0.066
	24	2,4-Dimethyl phenol	0.038	14		291	1,2,3,4,6,7,8-Heptachlorodibenzo-p-dioxin (1,2,3,4,6,7,8-HpCDD)	3.5E-05	0.0025
	106	Dimethyl phthalate	0.047	28		287	1,2,3,4,6,7,8-Heptachlorodibenzo-furan (1,2,3,4,6,7,8-HpCDF)	3.5E-05	0.0025
	108	Di-n-butyl phthalate	0.057	28		288	1,2,3,4,7,8,9-Heptachlorodibenzo-furan (1,2,3,4,7,8,9-HpCDF)	3.5E-05	0.0025
	213	1,4-Dinitrobenzene	0.32	2.3		128	Hexachlorobenzene	0.055	10
	225	4,6-Dinitro-o-cresol	0.28	180		129	Hexachlorobutadiene	0.055	5.6
	25	2,4-Dinitrophenol	0.12	160		130	Hexachlorocyclopentadiene	0.057	2.4
	26	2,4-Dinitrotoluene	0.32	140		132	HxCDDs (All Hexachlorodibenzo-p-dioxins)	6.30E-05	0.001
	281	2,6-Dinitrotoluene	0.55	28		131	HxCDFs (All Hexachlorodibenzofurans)	6.30E-05	0.001
	109	Di-n-octyl phthalate	0.017	28		133	Hexachloroethane	0.055	30
	110	Di-n-propylnitrosamine	0.4	14		134	Hexachloropropylene	0.035	30
	19	1,4-Dioxane	12	170		135	Indeno (1,2,3,-c,d) pyrene	0.0055	3.4
	108	Diphenylamine	0.92	13		136	Iodomethane	0.19	65
	158	Diphenylnitrosamine	0.92	13		137	ISOBUTYL ALCOHOL	5.6	170
	16	1,2-Diphenylhydrazine	0.087	NA		138	Isodrin	0.021	0.066
	107	Disulfoton	0.017	6.2		139	Isosafrole	0.081	2.6

UNDERLYING HAZARDOUS CONSTITUENTS – TREATMENT STANDARDS  
HERITAGE FORM HERWS04

Page 3 of 4

Generator Name STANDARD REGISTER

Wastestream Number

Common Name KWIK DRI 66

This form lists the Universal Treatment Standards (UTS) constituents and their wastewater and non-wastewater treatment standards. Use this table to identify Underlying Hazardous Constituents for D001 - D043. If a waste contains an Underlying Hazardous Constituent on this table at a concentration above the applicable treatment standard, please mark the boxes next to the Underlying Hazardous Constituent. A wastewater is any waste with less than 1% by weight total organic carbon and less than 1% by weight total suspended solids. All other wastes are Non-Wastewaters. If the wastestream does not contain Underlying Hazardous constituents, do not mark any box next to a constituent. Instead mark the box at the end of the form indicating no Underlying Hazardous Constituents.

Identify Constituent	Chemical Identification Number	Regulated Constituent	Wastewater (mg/L)	Nonwastewater (mg/Kg)	Identify Constituent	Chemical Identification Number	Regulated constituent	Wastewater (mg/L)	Nonwastewater (mg/Kg)
	140	Kepona	0.0011	0.13		184	Parathion	0.014	4.8
	145	Methapyrilene	0.081	1.5		165	Total PCBs (sum of all PCB isomers, or all Aroclors)	0.1	10
	258	Methiocarb	0.056	1.4		264	Pebulate	0.042	1.4
	259	Methomyl	0.028	0.14		172	Pentachlorobenzene	0.055	10
	146	Methoxychlor	0.25	0.18		173	PeCDDs (All Pentachlorodibenzo-p-dioxins)	6.30E-05	0.001
	39	3-Methylcholanthrene	0.0055	15		204	PeCDFs (All Pentachlorodibenzofurans)	3.50E-05	0.001
	143	Methacrylonitrile	0.24	84		174	Pentachloroethane	0.055	5
	144	METHANOL	5.6	0.75 mg/L TCLP		175	Pentachloronitrobenzene	0.055	4.8
	214	4,4-Methylene bis(2-chloroaniline)	0.5	30		176	Pentachlorophenol	0.089	7.4
	102	METHYLENE CHLORIDE	0.089	30		177	Phenacetin	0.081	18
	147	METHYL ETHYL KETONE	0.28	36		178	Phenanthrene	0.059	5.6
	148	METHYL ISOBUTYL KETONE	0.14	33		179	Phenol	0.039	6.2
	216	Methyl methacrylate	0.14	160		180	Phorate	0.021	4.6
	149	Methyl methanesulfonate	0.018	NA		226	Phthalic acid	0.055	28
	150	Methyl parathion	0.014	4.6		220	Phthalic anhydride	0.055	28
	280	Metolcarb	0.056	1.4		268	Physostigmine	0.056	1.4
	281	Mexacarbate	0.056	1.4		267	Physostigmine salicylate	0.056	1.4
	262	Molinate	0.042	1.4		266	Promecarb	0.056	1.4
	151	Naphthalene	0.059	5.6		218	Pronamide	0.093	1.5
	33	2-Naphthylamine	0.52	NA		269	Propam	0.058	1.4
	34	o-Nitroaniline	0.27	14		270	Propoxur	0.058	1.4
	48	p-Nitroaniline	0.028	28		271	Prosulfocarb	0.042	1.4
	153	NITROBENZENE	0.068	14		181	Pyrene	0.067	6.2
	292	2-NITROPROPANE (3)	NA	NA		182	PYRIDJNE	0.014	16
	35	o-Nitrophenol	0.028	13		183	Safrrole	0.081	22
	49	p-Nitrophenol	0.12	29		186	Silvex (2,4,5-TP)	0.72	7.9
	157	N-Nitrosodimethylamine	0.4	2.3		3	1,1,2,2-Tetrachloroethane	0.057	6
	159	N-Nitroso-di-n-butylamine	0.4	17		189	TETRACHLOROETHYLENE	0.056	6
	156	N-Nitrosoethylamine	0.4	28		20	2,3,4,6-Tetrachlorophenol	0.03	7.4
	180	N-Nitrosomethylethylamine	0.4	2.3		9	1,2,4,5-Tetrachlorobenzene	0.055	14
	161	N-Nitrosomorpholine	0.4	2.3		203	TCDDs (All Tetrachlorodibenzo-p-dioxins)	6.30E-05	0.001
	182	N-Nitrosopiperidine	0.013	35		188	TCDFs (All Tetrachlorodibenzofurans)	6.30E-05	0.001
	183	N-Nitrosopyrrolidine	0.013	35		1	1,1,1,2-Tetrachloroethane	0.057	6
	154	5-Nitro-o-toluidine	0.32	28		272	Thiodicarb	0.019	1.4
	289	1,2,3,4,6,7,8,9-Octachlorodibenzo-p-dioxin (OCDD)	6.3E-05	0.005		273	Thiophanate-methyl	0.056	1.4
	290	1,2,3,4,6,7,8,9-Octachlorodibenzo-furan (OCDF)	6.3E-05	0.005		191	TOLUENE	0.08	10



UNDERLYING HAZARDOUS CONSTITUENTS – TREATMENT STANDARDS  
HERITAGE FORM HERWS04

Generator Name STANDARD REGISTER

Wastestream Number \_\_\_\_\_

Common Name KWIK DRI 66

This form lists the Universal Treatment Standards (UTS) constituents and their wastewater and non-wastewater treatment standards. Use this table to identify Underlying Hazardous Constituents for D001 - D043. If a waste contains an Underlying Hazardous Constituent on this table at a concentration above the applicable treatment standard, please mark the boxes next to the Underlying Hazardous Constituent. A wastewater is any waste with less than 1% by weight total organic carbon and less than 1% by weight total suspended solids. All other wastes are Non-Wastewaters. If the wastestream does not contain Underlying Hazardous constituents, do not mark any box next to a constituent. Instead mark the box at the end of the form indicating no Underlying Hazardous Constituents.

Identify Constituent	Chemical Identification Number	Regulated Constituent	Wastewater (mg/L)	Nonwastewater (mg/Kg)	Identify Constituent	Chemical Identification Number	Regulated constituent	Wastewater (mg/L)	Nonwastewater (mg/Kg)
	263	Oxamyl	0.056	0.28		192	Toxaphene	0.0095	2.6
	275	Triallate	0.042	1.4		62	Antimony	1.9	1.15 mg/L TCLP
	79	Tribromomethane (Bromoform)	0.63	15		64	Arsenic	1.4	5.0 mg/L TCLP
	10	1,2,4-Trichlorobenzene	0.055	19		65	Barium	1.2	21mg/L TCLP
	2	1,1,1-TRICHLOROETHANE	0.054	6		73	Beryllium	0.82	1.22 mg/L TCLP
	4	1,1,2-TRICHLOROETHANE	0.054	6		82	Cadmium	0.69	0.11 mg/L TCLP
	195	TRICHLOROETHYLENE	0.054	6		92	Chromium (Total)	2.77	0.80 mg/L TCLP
	124	TRICHLOROMONOFUOROMETHANE	0.020	30		96	Cyanides (Total)	1.2	590
	21	2,4,5-Trichlorophenol	0.13	7.4		208	Cyanides (Amenable)	0.88	30
	206	2,4,6-Trichlorophenol	0.036	7.4		141	Lead	0.69	0.75 mg/L TCLP
	219	2,4,5-T (2,4,5-Trichlorophenoxyacetic acid)	0.72	7.9		142	Mercury - Nonwastewater from Refort	NA	0.20 mg/L TCLP
	8	1,2,3-Trichloropropane	0.85	30		283	Mercury - All Others	0.15	0.025 mg/L TCLP
	5	1,1,2-TRICHLORO-1,2,2-TRIFLUOROETHANE	0.057	30		152	Nickel	3.98	11 mg/L TCLP
	276	Triethylamine	0.081	1.5		185	Silver	0.43	0.14 mg/L TCLP
	222	tri-(2,3-Dibromopropyl) phosphate	0.11	0.1		190	Thallium	1.4	.20 mg/L TCLP
	277	Vemolate	0.042	1.4					
	197	Vinyl chloride	0.27	6					
	202	XYLENES-MIXED ISOMERS	0.32	30					

No Underlying Hazardous Constituents are present in this wastestream

I certify that the information provided regarding Underlying Hazardous Constituents for this wastestream is true, accurate, and complete.

Authorized Signature

Robin H. Tindull

Print/Type Name

Robin H. Tindull

Company/Title

Production Manager

Date

5/30/17

=====

SECTION I

TRADE NAME.....: NCR PAPER\*, ALL GRADES  
 MSDS NUMBER .....: CEHS-30  
 SYNONYMS .....: CARBONLESS PAPER  
 MANUFACTURER .....: APPLETON PAPERS INC  
 EMERGENCY PHONE ...: 1-920-734-9841  
 OTHER CALLS .....: 1-920-991 8781  
 ADDRESS .....: 825 E. WISCONSIN AVENUE  
 CITY .....: APPLETON STATE ...:WI ZIP ...:54911  
 MSDS PREPARED BY ..: MICHAEL P. STEVENS  
 DATE PREPARED .....: 11/15/96 LATEST REVISION DATE: 7-29-97

SECTION II - HAZARDOUS INGREDIENTS/IDENTITY INFORMATION

INGREDIENT NAME	CAS#	OSHA PEL	ACGIH TLV	OTHER	*
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-----  
 NONE. NCR PAPER\* BRAND CARBONLESS PAPER DOES NOT RELEASE OR OTHERWISE RESULT IN EXPOSURE TO A HAZARDOUS CHEMICAL SUBJECT TO DISCLOSURE REQUIREMENTS OF THE HAZARD COMMUNICATIONS STANDARD.  
 -----

\*\*\*\*\* ADDITIONAL INFORMATION \*\*\*\*\*

- (1) NON-HAZARDOUS COMPONENT AS DEFINED BY 29 CFR 1910.1200. LISTED HERE PER NEW JERSEY WORKER AND COMMUNITY RIGHT TO KNOW ACT.
- (2) LISTED ON MASSACHUSETTS SUBSTANCE LIST

NE = NOT ESTABLISHED

SECTION III - CHEMICAL CHARACTERISTICS

BOILING POINT	MELTING POINT	FREEZING POINT	SPECIFIC GRAVITY (H2O = 1)
NA	NA	NA	1.02

\*NCR PAPER IS A TRADEMARK OF NCR CORPORATION, LICENSED TO APPLETON PAPERS INC.

TRADE NAME: NCR PAPER

=====

**SECTION III - CHEMICAL CHARACTERISTICS, CONTINUED**

PERCENT VOLATILE by VOLUME NA	THEORETICAL VOC CONTENT (percent of WEIGHT) NA	WEIGHT PER GALLON NA
pH (Conc): NA (NA = NOT APPLICABLE)		
VAPOR PRESSURE (mm of Hg) NA	VAPOR DENSITY (Air = 1) < 1	DENSITY NA
EVAPORATION RATE Basis (BUTYL ACET=1) NOT DETERMINED		
SOLUBILITY IN WATER NA	REACTIVITY IN WATER NOT REACTIVE	
APPEARANCE AND ODOR: PAPER IN ROLL OR SHEET FORM, FAINT ODOR		

**SECTION IV - FIRE AND EXPLOSION HAZARD DATA**

FLASH POINT >200F	METHOD ----	FLAMMABLE LIMITS IN AIR (%) UPPER = ND      LOWER = ND	AUTOIGNITION TEMPERATURE ND
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HMIS CODES: (HEALTH/FLAMMABILITY/REACTIVITY/PROTECTION) = 0/0/0/-

EXTINGUISHER MEDIA: WATER, CARBON DIOXIDE, FOAM, OR DRY CHEMICAL

SPECIAL FIRE FIGHTING PROCEDURES: NONE KNOWN TO APPLETON PAPERS

UNUSUAL FIRE AND EXPLOSION HAZARDS: NONE KNOWN TO APPLETON PAPERS

\*\*\*\*\* ADDITIONAL INFORMATION \*\*\*\*\*  
 NE = NOT ESTIMATED  
 ND = NOT DETERMINED

**SECTION V - REACTIVITY DATA**

IS THIS CHEMICAL STABLE UNDER NORMAL CONDITIONS OF HANDLING/STORAGE (Y/N)? Y

CONDITIONS TO AVOID (REGARDING STABILITY): NONE

INCOMPATIBILITY (MATERIALS TO AVOID): STRONG OXIDIZERS

HAZARDOUS DECOMPOSITION PRODUCTS: NONE KNOWN TO APPLETON PAPERS

HAZARDOUS POLYMERIZATION POSSIBLE (Y/N) ? N

CONDITIONS TO AVOID (REGARDING POLYMERIZATION): NONE KNOWN TO APPLETON PAPERS

TRADE NAME: NCR PAPER

SECTION VI - HEALTH HAZARDS

ROUTES OF ENTRY: SKIN ABSORPTION (INGESTION UNLIKELY)

SIGNS AND SYMPTOMS OF ACUTE OVEREXPOSURE:

SKIN REDDENING AND/OR IRRITATION (PAPER CAN ABSORB SKIN OILS).

CHRONIC OVEREXPOSURE:

REPEATED OR PROLONGED OVER-EXPOSURE TO PRODUCT MAY CAUSE IRRITATION OF SKIN AND EYES (PAPER DUST).

CHEMICAL LISTED AS A CARCINOGEN OR POTENTIAL CARCINOGEN

NATIONAL TOXICOLOGY PROGRAM

IARC MONOGRAPHS

OSHA

(Y/N): N

(Y/N): N

(Y/N): N

MEDICAL CONDITIONS GENERALLY AGGRAVATED BY EXPOSURE:

NONE KNOWN TO APPLETON PAPERS

\*\*\*\*\* EMERGENCY AND FIRST AID PROCEDURES \*\*\*\*\*

- \* EMERGENCY PHONE NUMBER OF MANUFACTURER: NA \*
- \* INHALATION: IF AFFECTED, MOVE TO FRESH AIR. \*
- \* EYE CONTACT: IN CASE OF EYE CONTACT, IMMEDIATELY FLUSH WITH PLENTY OF CLEAN RUNNING WATER. \*
- \* SKIN CONTACT: IF PROBLEMS OCCUR, FLUSH WITH CLEAN WATER. WASH WITH SOAP AND WATER. USE UNMEDICATED SKIN CREAM FOR DRY SKIN. \*
- \* INGESTION: IF INGESTED, DO NOT INDUCE VOMITING. DRINK A LARGE AMOUNT OF WATER OR MILK AND CALL A PHYSICIAN. \*

SECTION VII - PRECAUTIONS FOR SAFE HANDLING AND USE

HAZARD CLASS\* .....: NONE

HAZARD CLASS\*\* .....: NA

US DOT ID NUMBER ...: NONE

US DOT ID NUMBER ...: NA

UN/NA NUMBER .....: NONE

UN/NA NUMBER .....: NA

WHMIS CLASS/DIVISION: NONE

PRECAUTIONS TO BE TAKEN IN HANDLING AND STORAGE:

DO NOT STORE OR HANDLE PRODUCTS IN THE PRESENCE OF HEAT, SPARKS, OR OPEN FLAME.

TRADE NAME: NCR PAPER

\*\*\*\*\*

**SECTION VII - PRECAUTIONS FOR SAFE HANDLING AND USE, CONTINUED**

OTHER PRECAUTIONS: DO NOT TAKE INTERNALLY.

STEPS TO BE TAKEN IN CASE MATERIAL IS RELEASED OR SPILLED:

REMOVE IGNITION SOURCES. CONTAIN SPILL. PICK UP AND CONTAINERIZE FOR SUBSEQUENT DISPOSAL/RECYCLE. FLUSH AREA WITH WATER TO REMOVE PRODUCT RESIDUE, DIRECTING FLUSHATE TO THE SEWER.

WASTE DISPOSAL METHODS:

DISPOSE OF IN ACCORDANCE WITH APPLICABLE STATE OR COMMUNITY REGULATIONS. RECYCLE IF POSSIBLE.

**SECTION VIII - CONTROL MEASURES**

RESPIRATORY PROTECTION:

NOT REQUIRED IN NORMAL USE

VENTILATION REQUIREMENTS:

LOCAL OR MECHANICAL EXHAUST IS SATISFACTORY

LOCAL EXHAUST:

NOT REQUIRED

MECHANICAL:

SATISFACTORY

SPECIAL:

NOT REQUIRED UNDER NORMAL USE CONDITIONS

OTHER:

NOT APPLICABLE

PROTECTIVE GLOVES:

NOT REQUIRED IN NORMAL USE

EYE PROTECTION:

NOT REQUIRED IN NORMAL USE

OTHER PROTECTIVE CLOTHING OR EQUIPMENT:

CLOTHING PROTECTION (PAPER CUTS)

WORK/HYGIENIC PRACTICES:

KEEP WORK AREA CLEAN.

HMIS HAZARD RATING:

0 = HEALTH

0 = FLAMMABILITY

0 = REACTIVITY

- = PERSONAL PROTECTIVE EQUIPMENT

**M A T E R I A L   S A F E T Y   D A T A   S H E E T**

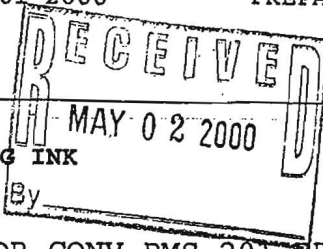
In compliance with the Occupational Safety and Health Administration (OSHA)  
Hazard Communication Standard as published in the Code of Federal Regulations  
29 CFR 1910.1200.



DATE: 05-01-2000

PREPARED BY: \_\_\_\_\_

Page: 1 of 2



**PRODUCT IDENTIFICATION: PRINTING INK**

**FORMULA CODE:** CY-7445-C+  
**DESCRIPTION:** COPY BAN + LOW ODOR CONV PMS-201 RE  
**BATCH#:** CI-01989  
**VOC (determined from supplier information) =** 8 %

**MANUFACTURER:** Kohl and Madden Printing Ink Corp.  
**ADDRESS:** 11430 Rockfield Ct.  
Cincinnati, OH 45241  
**EMERGENCY PHONE:** (513) 326-6900

**1. HAZARDOUS INGREDIENTS**

Printing Ink: There are no established OSHA permissible exposure limits (PEL) or American Conference of Government Industrial Hygienists (ACGIH) threshold limiting values (TLV) for this product. See section 3 for hazards overview and section 11 for toxicological properties.

**3. HAZARDS IDENTIFICATION**

Emergency Overview: Product may cause skin and eye irritation.

**PRODUCT HMIS RATINGS:**    H    F    R                    0 = Minimal, 1 = Slight, 2 = Moderate, 3 = Serious, 4 = Severe  
                                  1    1    0                    HMIS Rating Definition: H = Health F = Flammability R = Reactivity

**4. FIRST AID MEASURES**

Contact: Flush eyes thoroughly with sterile eye wash solution. Seek medical attention if irritation persists.  
Contact: Wash skin with soap and water. Seek medical attention if irritation persists.  
Inhalation: Remove to fresh air if breathing is difficult. Seek medical attention if difficulty persists.  
Ingestion: Ingestion is considered to be an unlikely route of exposure. However, if ingestion occurs, seek medical attention.

**5. FIRE FIGHTING MEASURES**

OSHA: Class III B (Combustible)  
Extinguishing Media: Carbon dioxide, dry chemical, or foam recommended. Apply water spray to cool exposed containers.  
Fire Hazard: Fire or excessive heat may produce hazardous decomposition products.  
Flammability Data: Flash Point: Greater than 215 degrees F. (Closed Cup Method, ASTM D3278-82)

**6. ACCIDENTAL RELEASE MEASURES**

Clean up with absorbent material. Transfer to appropriate containers for disposal.

**7. HANDLING AND STORAGE**

Handling: Avoid contact with skin, eyes, or clothing. Wash hands after use.  
Storage: Store in closed containers away from direct sources of heat.

**8. EXPOSURE CONTROLS AND PERSONAL PROTECTION**

Ventilation: The use of local exhaust is desirable.  
Personal Protection: If prolonged contact is anticipated, use barrier skin cream.  
Exposure Limits: There are no established OSHA permissible exposure limits (PEL) or American Conference of Government Industrial Hygienists (ACGIH) threshold limiting values (TLV) for this product.

**9. PHYSICAL AND CHEMICAL PROPERTIES**

Evaporation Rate: Slower than water    Odor: Oily    Solubility: Insoluble in water    Boiling Range: Greater than 500 degrees F.

**10. STABILITY AND REACTIVITY**

General: This product is a stable mixture. Decomposition is not anticipated.  
Incompatibility: This product is not compatible with water-based materials.  
Hazardous Decomposition Products: Noxious gases may be evolved in a fire

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**M A T E R I A L   S A F E T Y   D A T A   S H E E T**

In compliance with the Occupational Safety and Health Administration (OSHA)  
Hazard Communication Standard as published in the Code of Federal Regulations  
29 CFR 1910.1200.



DATE: 05-01-2000

PREPARED BY: \_\_\_\_\_

Page: 2 of 2

**1. TOXICOLOGICAL INFORMATION**

General: This product is a mixture of several ingredients. There are no established OSHA permissible exposure limits (PEL) or American Conference of Government Industrial Hygienists (ACGIH) threshold limiting values (TLV) for this product.

Medical Conditions Aggravated by Exposure: None known.

Acute (Short-term) Toxicity: No adverse effects known.

Chronic (Long-term) Toxicity: No adverse effects known.

Carcinogenicity: This product contains no reportable known or potential carcinogens listed by the National Toxicology Program (NTP) or the International Agency for Research on Cancer (IARC). Materials contained in this product are not OSHA regulated under 29 CFR 1910 Subpart Z.

**2. DISPOSAL CONSIDERATIONS**

General: This product should be disposed of in accordance with applicable federal, state, and local regulations

Waste Management: This product is not considered a RCRA hazardous waste under 40 CFR 261, and is not regulated under CERCLA (Superfund).

**3. TRANSPORTATION INFORMATION**

United States:

- DOT Shipping (49 CFR 172.101-102).....: Not Regulated
- DOT Hazard Class (49 CFR 172.101-102)...: None
- DOT Label.....: None
- DOT Placard.....: None
- DOT Bill of Lading Description.....: Printing Ink

International:

- United Nations/North American Number.....: Not Regulated
- International Maritime Dangerous Goods Classification: Not Regulated
- International Air Transport Association Classification: Not Regulated

**4. REGULATORY INFORMATION**

Toxic Substance Control Act (TSCA) Status: All ingredients are certified to be materials or mixtures listed on the U.S.TSCA Inventory.

Superfund Amendments and Reauthorization Act (SARA) Title III:

- Section 302 Extremely Hazardous Substances (40 CFR 355).....: None
- Section 313 Toxic Chemicals and Chemical Categories (40 CFR 372)...:

Barium Compounds % by Weight:	0
Copper Compounds % by Weight:	0
Zinc Compounds % by Weight:	0

Resource Conservation and Recovery Act (RCRA):

This product contains no reportable hazardous substances (40 CFR 261.33) and does not exhibit the characteristics of hazardous waste (40 CFR 261.20-.24).

Resource Conservation and Recovery Act (RCRA):

This product does not contain any known concentrations of regulated substances.

Resource Conservation and Recovery Act (RCRA):

This product is formulated to be in compliance with CONEG Model Legislation for Packaging and Packaging Ink Components.

The information and recommendations for this product are believed to be accurate. Since this product may be used under conditions beyond your control, no warranty, expressed or implied, is made with respect to the use of this product. Kohl & Madden Printing Ink Corporation assumes no liability or responsibility for personal injury or property damage caused by the product. Users assume all risks associated with the use of this product.



# MATERIAL SAFETY DATA SHEET

In compliance with the Occupational Safety and Health Administration (OSHA) Hazard Communication Standard as published in the Code of Federal Regulations, 29 CFR, 1910.120  
DATE: 4-28-00 PREPARED BY: [Signature]

## 1. PRODUCT IDENTIFICATION:

ATUV99-256

UV BLACK

Batch #: 5V-102469

Qty: 6#

LBS

Date: 04/27/00

Hazard Rating: H-1, F-1, R-0, EMERGENCY # (404)-351-8738  
Kohl & Madden, 2084 Gen. Truman Rd, Atlanta, GA30318

THIS PRODUCT CAN CAUSE EYE AND SKIN IRRITATION. SEE MATERIAL SAFETY DATA SHEET FOR DETAILED INFORMATION.

The merchandise herein contained is sold without warranties implied or expressed. Claims not exceeding purchase price may be allowed if presented within five days after receipt of goods. These conditions shall not be waived other than in writing.

## 2. HAZARDOUS INGREDIENTS

UV Printing Ink: There are no established OSHA permissible exposure limits (PEL) or American Conference of Government Industrial Hygienists (ACGIH) threshold limiting values (TLV) for this product. See section 3 for hazards overview and section 11 for toxicological properties.

## 3. HAZARDS IDENTIFICATION

**Emergency Overview:** Product may cause skin and eye irritation.

**Product HMIS Rating:** H: 2 F: 1 R: 1 PP: B **HMIS Rating Definition:** H= Health, F= Flammability, R= Reactivity, PP= Personal Protection  
0= Minimal, 1= Slight, 2= Moderate, 3= Serious, 4= Severe, B= Safety Glasses and Gloves

## 4. FIRST AID MEASURES

**Eye Contact:** Flush eyes thoroughly with sterile eye wash solution. Seek medical attention if irritation persists.

**Skin Contact:** Wash skin with soap and water. Seek medical attention if irritation persists.

**Inhalation:** Remove to fresh air if breathing is difficult. Seek medical attention if difficulty persists.

**Ingestion:** Ingestion is considered to be an unlikely route of exposure. However, if ingestion occurs, seek medical attention.

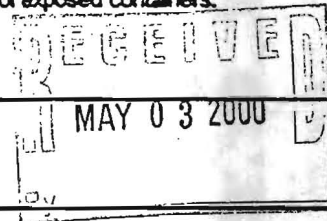
## 5. FIRE FIGHTING MEASURES

**OSHA:** Class III B (Combustible)

**Extinguishing Media:** Carbon dioxide, dry chemical, or foam recommended. Apply water spray to cool exposed containers.

**Fire hazards:** Fire or excessive heat may produce hazardous decomposition products.

**Flammability Data:** Flash Point: Greater than 200° F. (Closed Cup Method, ASTM D3278-82)



## 6. ACCIDENTAL RELEASE MEASURES

Clean up with absorbent material. Transfer to appropriate containers for disposal.

## 7. HANDLING AND STORAGE

**Handling:** Avoid contact with skin, eyes, or clothing. Wash hands after use.

**Storage:** Store in closed containers at temperatures between 50° F. and 80° F. away from direct sources of heat and light. Avoid Contamination with all foreign materials.

## 8. EXPOSURE CONTROLS AND PERSONAL PROTECTION

**Ventilation:** The use of local exhaust is desirable.

**Personal Protection:** Use safety glasses and impervious gloves.

**Exposure Limits:** There are no established OSHA permissible exposure limits (PEL) or American Conference of Government Industrial Hygienists (ACGIH) threshold limiting values (TLV) for this product.

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# MATERIAL SAFETY DATA SHEET

## 9. PHYSICAL AND CHEMICAL PROPERTIES

Evaporation Rate: Slower than water

Odor: Acrylate

Solubility: Insoluble in water

## 10. STABILITY AND REACTIVITY

General: This product is stable under normal storage conditions.

Incompatibility: This product is not compatible with water-based or oil based-materials.

Hazardous Decomposition Products: Noxious gases may be evolved in a fire.

## 11. TOXICOLOGICAL INFORMATION

General: There are no established OSHA permissible exposure limits (PEL) or American Conference of Government Industrial Hygienists (ACGIH) threshold limiting values (TLV) for this product.

Medical Conditions Aggravated by Exposure: None known.

Acute (Short-term) Toxicity: No adverse effects known.

Chronic (Long-term) Toxicity: Product may cause allergic skin reaction.

Carcinogenicity: This product contains no reportable known or potential carcinogens listed by the National Toxicology Program (NTP) or the International Agency for Research on Cancer (IARC). Materials contained in this product are not OSHA regulated under 29 CFR 1910 Subpart Z.

## 12. DISPOSAL CONSIDERATIONS

General: This product should be disposed of in accordance with applicable federal, state, and local regulations.

Waste Management: This product is not considered a RCRA hazardous waste under 40 CFR 261, and is not regulated under CERCLA (Superfund).

## 13. TRANSPORTATION INFORMATION

United States:

D.O.T. Shipping (49 CFR 172.101-102):

Not regulated

D.O.T. Hazard Class (49 CFR 172.101-102):

None

D.O.T. Label:

None

D.O.T. Placard:

None

Bill of Lading Description:

Printing Ink

International:

United Nations/North American Number:

Not regulated

International Maritime Dangerous Goods Classification:

Not regulated

International Air Transport Association Classification:

Not regulated

## 14. REGULATORY INFORMATION

Toxic Substance Control Act (TSCA) Status: All ingredients are certified to be materials or mixtures of materials listed on the U.S. TSCA Inventory.

Superfund Amendments and Reauthorization Act (SARA) Title III:

Section 302 Extremely Hazardous Substances (40 CFR 355) .....None

Section 313 Toxic Chemicals and Chemical Categories (40 CFR 372) ....

Barium Compounds % by Weight

Copper Compounds % by Weight

Zinc Compounds % by Weight

(N/A = Not Applicable)

Resource Conservation and Recovery Act (RCRA): This product contains no reportable hazardous substances (40 CFR 261.33) and does not exhibit the characteristics of hazardous waste (40 CFR 261.20-24).

California Proposition 65 Regulated Substances: This product does not contain any known concentrations of regulated substances.

CONEG Status: This product is formulated to be in compliance with CONEG Model Legislation for Packaging and Packaging Ink Components.

The information and recommendations for this product are believed to be accurate. Since this product may be used under conditions beyond our control, no warranty, expressed or implied, is made with respect to the use of this product. Kohi & Madden Printing Ink Corporation assumes no liability or responsibility for personal injury or property damage caused by the product. Users assume all risks associated with the use of this product.

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CHEM Master® 2000 (530)

**MATERIAL SAFETY DATA SHEET**  
**MSDS #: 446**  
**THERMOSEAL ADHESIVE**

Page 1 of 3

**1. Product And Company Identification**

**Standard Register Corporation**  
**120 Campbell Street**  
**Dayton, OH 45408**

Company Contact: Raj Mehta, PhD  
 Telephone Number: (937) 221-1435

**Emergency Contacts/Telephone Numbers**

Gary Doll Emergency Phone Number: (937) 221-1145  
 Raj Mehta PhD Emergency Phone Number: (937) 221-1431

Issue Date: 12/11/1998

Product Name: THERMOSEAL ADHESIVE  
 Chemical Name: THERMOSEAL  
 Chemical Type: Mixture  
 CHEM Master® Number: 13972  
 MSDS Number: 446  
 Product Code: 2A-131

Mailer adhesive which is sealed by the application of heat and pressure.

**Synonyms**

Product #2A-131  
 THERMOSEAL ADHESIVE

**2. Composition/Information On Ingredients**

Ingredient Name	CAS Number	Percent Of Total Weight
SODIUM HYDROXIDE	1310-73-2	0.1000

This product contains no hazardous components at reportable levels as defined in OSHA 29 CFR 1910.1200.

**3. Hazards Identification****Eye Hazards**

Eyes may be mildly irritated through direct contact with this product.

**Skin Hazards**

Prolonged or repeated contact of this product with skin may cause irritation, as with any water-based material.

**Ingestion Hazards**

If taken internally, the product may cause gastrointestinal disturbance and nausea. Additional effects of ingestion are unknown.

**Inhalation Hazards**

This product is not expected to cause irritation to the respiratory system of most individuals, although certain sensitive individuals may notice some mild, transient irritation.

**4. First Aid Measures****Eye**

Immediately rinse eyes with water for at least 15 minutes. Seek medical attention.

**Skin**

Remove any contaminated clothing. Wash the affected area with soap and water. If rash or irritation develops, seek medical assistance. Launder contaminated clothing before reuse.

**Ingestion**

If the material is ingested, immediately seek medical advice. Do not attempt to make the affected individual vomit unless instructed to do so by medical personnel.

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GHS Master 2000 (530)

**MATERIAL SAFETY DATA SHEET**  
**MSDS #: 446**  
**THERMOSEAL ADHESIVE**

Page 2 of 3

**4. First Aid Measures - Continued****Inhalation**

If an individual is affected, remove him/her to fresh air. Seek medical attention if necessary. Keep the affected individual warm and at rest while medical attention is being sought.

**5. Fire Fighting Measures****Fire And Explosion Hazards**

Container may burst in the heat of a fire. The liquid material is water-based and, as such, is not flammable. The dried material in a fire situation should be handled as wood or paper in a fire.

**Extinguishing Media**

Use foam, CO2, dry chemical, water fog media appropriate to the source of the fire.

**Fire Fighting Instructions**

Firefighters should be equipped with self-contained breathing apparatus and proper protective clothing. Normal firefighting procedures may be used.

**6. Accidental Release Measures**

Wear appropriate PPE. Stop the source of the spill or leak. Do not let spilled or leaking material enter sewers or watercourses. Absorb with suitable adsorbent material. Rinse affected area thoroughly with water. Place material, absorbents, and rinse water into containers for proper disposal.

**7. Handling And Storage****Handling And Storage Precautions**

Keep the product from freezing. Product residue may remain on or in emptied containers. All precautions for handling the product must be used in handling the emptied containers and residue. Keep containers closed when not in use.

**Work/Hygienic Practices**

Use only good personal hygiene practices. Wash hands before eating, drinking, or smoking, before breaks, and at the end of the work period. Minimize personal contact. Launder contaminated clothing before reuse.

**8. Exposure Controls/Personal Protection****Engineering Controls**

Good general room ventilation is adequate.

**Eye/Face Protection**

Safety glasses or chemical splash-proof goggles are recommended to avoid possible contact with eyes.

**Skin Protection**

Use suitable impervious material for gloves, apron, etc. to avoid possible prolonged skin contact.

**9. Physical And Chemical Properties****Appearance**

Light blue liquid.

**Odor**

Mild odor.

Chemical Type: Mixture

Physical State: Liquid

Boiling Point: Same as water °F Same as water °C

Specific Gravity: 1.175

Percent Volatiles: 49

Percent VOCs: 0.5

Packing Density: 9.8050

pH Factor: 8-8.5 At a Concentration Of 100%

Solubility: Dispersable in water

CHEM Master© 2000 (530)

**MATERIAL SAFETY DATA SHEET**  
**MSDS #: 446**  
**THERMOSEAL ADHESIVE**

Page 3 of 3

**9. Physical And Chemical Properties - Continued**Odor - Continued

Viscosity: 150-175 Cps

Evaporation Rate: Same as water.

**10. Stability And Reactivity**

Stability: Stable

Hazardous Polymerization: Will not occur.

**11. Toxicological Information**Miscellaneous Toxicological Information

There are no reportable levels of carcinogens or suspected carcinogens listed by IARC, NTP, or OSHA in this product.

**12. Ecological Information**Other Environmental Information

Toxic Substance Control Act (TSCA)

The chemical components of this product are contained in section 8(b) of the chemical inventory list (40 CFR 710).

**13. Disposal Considerations**

Observe all applicable Federal, State, and Local regulations regarding disposal of this material.

**14. Transport Information**Additional Shipping Paper Description

Nonhazardous

Keep containers closed. This is a water-based material and should be kept from freezing.

**15. Regulatory Information**

No Data Available...

**16. Other Information**HMS Hazard Rating

Health: 1

Fire: 0

Reactivity: 0

PPE: B/C

Revision/Preparer Information

MSDS Preparer: Gary Doll

MSDS Preparer Phone Number: (937) 221-1145

This MSDS Superceeds A Previous MSDS Dated: 05/14/1998

Disclaimer

Although reasonable care has been taken in the preparation of this document, we extend no warranties and make no representations as to the accuracy or completeness of the information contained therein, and assume no responsibility regarding the suitability of this information for the user's intended purposes or for the consequences of its use. Each individual should make a determination as to the suitability of the information for their particular purposes(s).

Standard Register Corporation



ENFORCER Products  
 A Division of Acuity Specialty Products  
 Group, Inc.  
 P.O. Box 1060  
 Cartersville, GA 30120  
 1-888-805-HELP  
 www.zepcommercial.com

# Material Safety Data Sheet and Safe Handling and Disposal Information

## Section 1. Chemical Product and Company Identification

Product name **ZEP Citrus Cleaner & Degreaser Concentrate**  
 Product Code **HDCIT32/128**  
 Date of issue **01/21/05**      Supersedes **12/10/03**

**Emergency Telephone Numbers**      **For MSDS Information:**  
 Compliance Services (404) 352-1680

**For a Medical Emergency:**  
 INFOTRAC  
 (877) 541-2016 (Toll Free - Calls Recorded)

**For a Transportation Emergency:**  
 CHEMTREC  
 (800) 424-9300 (Toll Free - Calls Recorded)

Printing Date:

Prepared by      Compliance Services Group  
 Acuity Specialty Products Group  
 -1420 Seaboard Industrial Blvd.  
 Atlanta, GA 30318

## Section 2. Composition, Information on Ingredients

Name of Hazardous Ingredients	CAS #	% by Weight	Exposure Limits
D-LIMONENE - orange distillate; citrus terpene; cyclohexene, 1-methyl-4-(1-methylethenyl)-, (R)-	5989-27-5	1 - 5	Not established
MONOETHANOLAMINE; 2-aminoethanol; MEA	141-43-5	1 - 5	OSHA PEL / ACGIH TLV (United States). TWA: 3 ppm 8 hour(s). OSHA /ACGIH (United States). STEL: 6 ppm 15 minute(s).
DIETHYLENE GLYCOL MONOBUTYL ETHER; 2-(2-butoxyethoxy)-ethanol; butyl carbitol	112-34-5	1 - 5	Manufacturer (United States). TWA: 35 ppm 8 hour(s).
DIPROPYLENE GLYCOL N-BUTYL ETHER; 1-(2-butoxy-1-methoxy)- 2-propanol; glycol ether dpnb	29911-28-2	1 - 5	Not established

## Section 3. Hazards Identification

**Acute Effects**      **Routes of Entry** Dermal contact. Eye contact.

**Skin**      Hazardous in case of skin contact (irritant, permeator). Product may be dermal absorbed. May cause skin sensitization. Direct contact may cause irritation and redness. Skin inflammation is characterized by itching, scaling, or reddening.

**Eyes**      Hazardous in case of eye contact (irritant). Inflammation of the eye is characterized by redness, watering, and itching.

**Inhalation**      Hazardous in case of inhalation. Avoid breathing vapors or spray mists. Over-exposure by inhalation may cause respiratory irritation.

**Ingestion**      May be harmful if swallowed. Can cause gastrointestinal disturbances.

HMIS	
Health	1
Hazard	2
Reactivity	0
Personal Protection	B

**Carcinogenic Effects**      Ingredients: Not listed as carcinogen by OSHA, NTP or IARC.

**Chronic Effects**      Prolonged or repeated contact may dry skin and cause irritation. The substance may be toxic to blood, kidneys, lungs, liver, gastrointestinal tract, central nervous system (CNS). Repeated or prolonged exposure to the substance can produce target organs damage.

See Toxicological Information (section 11)

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**Section 4. First Aid Measures**

<b>Eye Contact</b>	Check for and remove any contact lenses. In case of contact, immediately flush eyes with plenty of water for at least 15 minutes. Get medical attention.
<b>Skin Contact</b>	In case of contact, immediately flush skin with plenty of water. Get medical attention if irritation develops.
<b>Inhalation</b>	If inhaled, remove to fresh air. If not breathing, give artificial respiration. If breathing is difficult, give oxygen. Get medical attention.
<b>Ingestion</b>	Do NOT induce vomiting unless directed to do so by medical personnel. Never give anything by mouth to an unconscious person. Get medical attention immediately.

**Section 5. Fire Fighting Measures**

<b>Flash Point</b>	Closed cup: 51.111°C (124°F). (Tagliabue.)	<b>Flammable Limits</b> Not determined.
<b>Flammability</b>	Combustible.	
<b>Fire Hazard</b>	Combustible liquid and vapor. Avoid all possible sources of ignition (spark or flame).	
<b>Fire-Fighting Procedures</b>	Use DRY chemicals, CO <sub>2</sub> , water spray or foam. Fire-fighters should wear proper protective equipment.	

**Section 6. Accidental Release Measures**

<b>Spill Clean up</b>	Eliminate all ignition sources. Dilute with water and mop up, or absorb with an inert dry material and place in an appropriate waste disposal container.
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**Section 7. Handling and Storage**

<b>Handling</b>	Keep away from heat, sparks and flame. Avoid contact with eyes. Avoid prolonged or repeated contact with skin. Avoid breathing vapors or spray mists. Use only with adequate ventilation. Do not ingest. Do not reuse product container. Observe label precautions. Wash thoroughly after handling.
<b>Storage</b>	Keep container in a cool, well-ventilated area. Keep container tightly closed and sealed until ready for use. Avoid all possible sources of ignition (spark or flame). Store between 40°F - 120°F (4.4°C - 49°C). Keep out of the reach of children.

**Section 8. Exposure Controls, Personal Protection**

	Personal Protection	Protective Clothing (Pictograms)
<b>Eyes</b>	Safety glasses.	
<b>Body</b>	Gloves. Recommended: Nitrile gloves. Rubber gloves. Neoprene gloves.	
<b>Respiratory</b>	Use with adequate ventilation. A respirator is not needed under normal and intended conditions of product use.	

**Section 9. Physical and Chemical Properties**

<b>Physical State</b>	Liquid.	<b>Color</b> Amber.
<b>pH</b>	11.0-12.0	<b>Odor</b> Citrus
<b>Boiling Point</b>	Not determined.	<b>Vapor Pressure</b> Not determined.
<b>Specific Gravity</b>	1.01 (Water = 1)	<b>Vapor Density</b> Not determined.
<b>Solubility</b>	Soluble in cold water, hot water.	<b>Evaporation Rate</b> 1 compared to water
		<b>VOC (Consumer)</b> 40.33 (g/l). 0.34 lbs/gal 4.00%

**Section 10. Stability and Reactivity**

<b>Stability and Reactivity</b>	The product is stable.
<b>Incompatibility</b>	Slightly reactive to reactive with oxidizing agents, alkalis. Keep away from heat, sparks and flame.
<b>Hazardous Polymerization</b>	Will not occur.
<b>Hazardous Decomposition Products</b>	These products are carbon oxides (CO, CO <sub>2</sub> ), nitrogen oxides (NO, NO <sub>2</sub> ...).

**Section 11. Toxicological Information**

<b>Toxicity to Animals</b>	<b>d-Limonene:</b>
	ORAL (LD50): Acute: >5000 mg/kg [Rat].
	DERMAL (LD50): Acute: >5000 mg/kg [Rabbit].
	<b>Monoethanolamine:</b>
	ORAL (LD50): Acute: 1720 mg/kg [Rat].
	<b>Diethylene Glycol Monobutyl Ether:</b>
	ORAL (LD50): Acute: 5660 mg/kg [Rat]. 2400 mg/kg [Mouse].
	DERMAL (LD50): Acute: 2700 mg/kg [Rabbit].

**Section 12. Ecological Information**

Ecotoxicity Not available.  
Biodegradable/OECD Not available.

**Section 13. Disposal Considerations**

**Waste Information** Waste must be disposed of in accordance with federal, state and local environmental control regulations.  
**Waste Stream** Code: D001  
Classification: - (Hazardous waste.)  
Origin: - (RCRA waste.)

Consult your local or regional authorities.

**Section 14. Transport Information**

**Proper shipping name** Not regulated.  
**DOT Classification** Not a DOT controlled material (United States).  
**UN number** Not regulated.  
**TDG Classification** Not a TDG controlled material.

**Section 15. Regulatory Information**

**U.S. Federal Regulations** SARA 313 toxic chemical notification and release reporting:  
Diethylene Glycol Monobutyl Ether (Certain Glycol Ethers)  
Clean Water Act (CWA) 311: No products were found.  
Clean air act (CAA) 112 regulated toxic substances: Diethylene Glycol Monobutyl Ether

**State Regulations** California prop. 65: No products were found.

**WHMIS (Canada)** Class B-3: Combustible liquid with a flash point between 37.8°C (100°F) and 93.3°C (200°F).  
Class D-2B: Material causing other toxic effects (TOXIC).

**Section 16. Other Information**

*To the best of our knowledge, the information contained herein is accurate. However, neither the above named supplier nor any of its subsidiaries assumes any liability whatsoever for the accuracy or completeness of the information contained herein.  
Final determination of suitability of any material is the sole responsibility of the user. All materials may present unknown hazards and should be used with caution. Although certain hazards are described herein, we cannot guarantee that these are the only hazards that exist.*

MATERIAL SAFETY  
DATA SHEET



ASHLAND CHEMICAL, INC.

Subsidiary Of Ashland Oil, Inc  
P.O. BOX 2219  
COLUMBUS, OHIO 43216  
(614) 889-3333

24-HOUR  
Emergency  
Telephone  
1(800) 274-5263  
1(800) ASHLAND

000797

KWIK DRI 66

Page

THIS MSDS COMPLIES WITH 29 CFR 1910.1200 (THE HAZARD COMMUNICATION STANDARD)

Product Name: KWIK DRI 66  
CAS NUMBER: 8052-41-3

STANDARD REGISTER CO  
RTE 7  
PO BOX 445  
MIDDLEBURY VT 05753

ATTN: PLANT MGR./SAFETY DIR.

05 50 074 8493110-

PRODUCT: 3002485  
INVOICE: 979951  
INVOICE DATE: 11/21/94  
TO: STANDARD REGISTER CO  
RTE 7  
PO BOX 445  
MIDDLEBURY VT 05753

Data Sheet No: 0013947-007.000  
Prepared: 09/28/94  
Supersedes: 08/17/94  
Print Date: 11/26/94

**SECTION I - PRODUCT IDENTIFICATION**

General or Generic ID: ALIPHATIC HYDROCARBON

DOT Hazard Classification: COMBUSTIBLE

**SECTION II - COMPONENTS**

IF PRESENT, IARC, NTP AND OSHA CARCINOGENS AND CHEMICALS SUBJECT TO THE REPORT-  
ING REQUIREMENTS OF SARA TITLE III SECTION 313 ARE IDENTIFIED IN THIS SECTION.  
SEE DEFINITION PAGE FOR CLARIFICATION

INGREDIENT	Percent	PEL	TLV	Note
ALIPHATIC HYDROCARBONS (STODDARD TYPE) CAS #: 8052-41-3	100	100 PPM	100 PPM	( 1)

Notes:

( 1) NIOSH RECOMMENDS A LIMIT OF 350 MG/CUM - 8 HOUR TIME WEIGHTED AVERAGE, 1800 MG/CUM AS DETERMINED BY A 15 MINUTE SAMPLE.

**SECTION III - PHYSICAL DATA**

Boiling Point	for PRODUCT	( 315.00 Deg F @ 157.22 Deg C 760.00 mm Hg
Vapor Pressure	for PRODUCT	( 3.00 mm Hg @ 68.00 Deg F 20.00 Deg C
Specific Vapor Density	AIR = 1	4.70
Specific Gravity		.770 - .788 @ 60.00 Deg F ( 15.55 Deg C
Percent Volatiles		100.00%
Evaporation Rate	(BUTYL ACETATE = 1)	.20

**SECTION IV - FIRE AND EXPLOSION INFORMATION**

FLASH POINT 105.0 Deg F ( 40.6 Deg C)

EXPLOSIVE LIMIT (PRODUCT) LOWER - 1.0%

EXTINGUISHING MEDIA: REGULAR FOAM OR CARBON DIOXIDE OR DRY CHEMICAL

HAZARDOUS DECOMPOSITION PRODUCTS: MAY FORM TOXIC MATERIALS:, CARBON DIOXIDE AND CARBON MONOXIDE, VARIOUS HYDROCARBONS, ETC.

FIREFIGHTING PROCEDURES: WEAR SELF-CONTAINED BREATHING APPARATUS WITH A FULL FACEPIECE OPERATED IN THE POSITIVE PRESSURE DEMAND MODE WHEN FIGHTING FIRES.

SPECIAL FIRE & EXPLOSION HAZARDS: NEVER USE WELDING OR CUTTING TORCH ON OR NEAR DRUM (EVEN EMPTY) BECAUSE PRODUCT (EVEN JUST RESIDUE) CAN IGNITE EXPLOSIVELY.

ALL FIVE GALLON PAILS AND LARGER METAL CONTAINERS INCLUDING TANK CARS AND TANK TRUCKS SHOULD BE GROUNDED AND/OR BONDED WHEN MATERIAL IS TRANSFERRED.

VAPORS ARE HEAVIER THAN AIR AND MAY TRAVEL ALONG THE GROUND OR BE MOVED BY VENTILATION AND IGNITED BY HEAT, PILOT LIGHTS, OTHER FLAMES AND IGNITION SOURCES AT LOCATIONS DISTANT FROM MATERIAL HANDLING POINT.

NFPA CODES: HEALTH- 1 FLAMMABILITY- 2 REACTIVITY- 0

**SECTION V - HEALTH HAZARD DATA**

PERMISSIBLE EXPOSURE LEVEL 100 PPM  
THRESHOLD LIMIT VALUE 100 PPM

SEE SECTION II

EFFECTS OF ACUTE OVEREXPOSURE:

EYES - EXPOSURE MAY CAUSE MILD EYE IRRITATION. SYMPTOMS MAY INCLUDE STINGING, TEARING, AND REDNESS.  
SKIN - EXPOSURE CAUSES SKIN IRRITATION. PROLONGED OR REPEATED EXPOSURE MAY DRY THE SKIN. SYMPTOMS MAY INCLUI REDNESS, BURNING, DRYING AND CRACKING. SKIN BURNS AND SKIN DAMAGE. PRE-EXISTING SKIN DISORDERS MAY BE AGGRAVATED BY EXPOSURE TO THIS MATERIAL.

CONTINUED ON PAGE: 2

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0797

KWIK DRI 66

Page: 2

**SECTION V-HEALTH HAZARD DATA (Continued)**

SKIN ABSORPTION IS POSSIBLE, BUT HARMFUL EFFECTS ARE NOT EXPECTED FROM THIS ROUTE OF EXPOSURE UNDER NORMAL CONDITIONS OF HANDLING AND USE.

BREATHING - EXPOSURE TO VAPOR OR MIST IS POSSIBLE.

SHORT-TERM INHALATION TOXICITY IS LOW. BREATHING SMALL AMOUNTS DURING NORMAL HANDLING IS NOT LIKELY TO CAUSE HARMFUL EFFECTS; BREATHING LARGE AMOUNTS MAY BE HARMFUL.

SYMPTOMS ARE MORE TYPICALLY SEEN AT AIR CONCENTRATIONS EXCEEDING THE RECOMMENDED EXPOSURE LIMITS. SYMPTOMS OF EXPOSURE MAY INCLUDE:

-IRRITATION (NOSE, THROAT, RESPIRATORY TRACT)- PRE-EXISTING LUNG DISORDERS, E.G. ASTHMA-LIKE CONDITIONS, MAY BE AGGRAVATED BY EXPOSURE TO THIS MATERIAL.

-CENTRAL NERVOUS SYSTEM DEPRESSION (DIZZINESS, DROWSINESS, WEAKNESS, FATIGUE, NAUSEA, HEADACHE, UNCONSCIOUSNESS)-

SWALLOWING - SINGLE DOSE ORAL TOXICITY IS LOW. SWALLOWING SMALL AMOUNTS DURING NORMAL HANDLING IS NOT LIKELY TO CAUSE HARMFUL EFFECTS; SWALLOWING LARGE AMOUNTS MAY BE HARMFUL.

SYMPTOMS MAY INCLUDE:

-GASTROINTESTINAL IRRITATION (NAUSEA, VOMITING, DIARRHEA)-

-CENTRAL NERVOUS SYSTEM DEPRESSION (DIZZINESS, DROWSINESS, WEAKNESS, FATIGUE, NAUSEA, HEADACHE, UNCONSCIOUSNESS)-

THIS MATERIAL CAN ENTER THE LUNGS DURING SWALLOWING OR VOMITING AND CAUSE LUNG INFLAMMATION AND/OR DAMAGE.

**FIRST AID:**

IF ON SKIN: REMOVE CONTAMINATED CLOTHING. FLUSH EXPOSED AREA WITH LARGE AMOUNTS OF WATER. IF SKIN IS DAMAGED, SEEK IMMEDIATE MEDICAL ATTENTION. IF SKIN IS NOT DAMAGED AND SYMPTOMS PERSIST, SEEK MEDICAL ATTENTION. LAUNDRY CLOTHING BEFORE REUSE.

IF IN EYES: IF SYMPTOMS DEVELOP, MOVE INDIVIDUAL AWAY FROM EXPOSURE AND INTO FRESH AIR. FLUSH EYES GENTLY WITH WATER WHILE HOLDING EYELIDS APART. IF SYMPTOMS PERSIST OR THERE IS ANY VISUAL DIFFICULTY, SEEK MEDICAL ATTENTION.

IF SWALLOWED: DO NOT INDUCE VOMITING. THIS MATERIAL IS AN ASPIRATION HAZARD. IF INDIVIDUAL IS DROWSY OR UNCONSCIOUS, PLACE ON LEFT SIDE WITH THE HEAD DOWN. SEEK MEDICAL ATTENTION. IF POSSIBLE, DO NOT LEAVE INDIVIDUAL UNATTENDED.

IF BREATHED: IF SYMPTOMS DEVELOP, IMMEDIATELY MOVE INDIVIDUAL AWAY FROM EXPOSURE AND INTO FRESH AIR. SEEK IMMEDIATE MEDICAL ATTENTION; KEEP PERSON WARM AND QUIET. IF PERSON IS NOT BREATHING, BEGIN ARTIFICIAL RESPIRATION. IF BREATHING IS DIFFICULT, ADMINISTER OXYGEN.

**PRIMARY ROUTE(S) OF ENTRY:**

INHALATION, SKIN CONTACT, EYE CONTACT

**EFFECTS OF CHRONIC OVEREXPOSURE:**

EXPOSURE TO THIS MATERIAL (OR A COMPONENT) HAS BEEN FOUND TO CAUSE KIDNEY DAMAGE IN MALE RATS. THE MECHANISM BY WHICH THIS TOXICITY OCCURS IS SPECIFIC TO THE MALE RAT AND THE KIDNEY EFFECTS ARE NOT EXPECTED TO OCCUR IN HUMANS.

BASED ON THE AVAILABLE INFORMATION, THIS MATERIAL CANNOT BE CLASSIFIED WITH REGARD TO CARCINOGENICITY.

THIS MATERIAL IS NOT LISTED AS A CARCINOGEN BY IARC, NTP OR OSHA.

**SECTION VI-REACTIVITY DATA**

HAZARDOUS POLYMERIZATION: CANNOT OCCUR

STABILITY: STABLE

INCOMPATIBILITY: AVOID CONTACT WITH:, STRONG OXIDIZING AGENTS

**SECTION VII-SPILL OR LEAK PROCEDURES**

STEPS TO BE TAKEN IN CASE MATERIAL IS RELEASED OR SPILLED:

SMALL SPILL: ABSORB LIQUID ON VERMICULITE, FLOOR ABSORBENT OR OTHER ABSORBENT MATERIAL.

LARGE SPILL: ELIMINATE ALL IGNITION SOURCES (FLARES, FLAMES INCLUDING PILOT LIGHTS, ELECTRICAL SPARKS). PERSONS NOT WEARING PROTECTIVE EQUIPMENT SHOULD BE EXCLUDED FROM AREA OF SPILL UNTIL CLEAN-UP HAS BEEN COMPLETED. STOP SPILL AT SOURCE. PREVENT FROM ENTERING DRAINS, SEWERS, STREAMS OR OTHER BODIES OF WATER. PREVENT FROM SPREADING. IF RUNOFF OCCURS, NOTIFY AUTHORITIES AS REQUIRED. PUMP OR VACUUM TRANSFER SPILLED PRODUCT TO CLEAN CONTAINERS FOR RECOVERY. ABSORB UNRECOVERABLE PRODUCT. TRANSFER CONTAMINATED ABSORBENT, SOIL AND OTHER MATERIALS TO CONTAINERS FOR DISPOSAL.

PREVENT RUN-OFF TO SEWERS, STREAMS OR OTHER BODIES OF WATER. IF RUN-OFF OCCURS, NOTIFY PROPER AUTHORITIES AS REQUIRED, THAT A SPILL HAS OCCURRED.

**WASTE DISPOSAL METHOD:**

SMALL SPILL: DISPOSE OF IN ACCORDANCE WITH ALL LOCAL, STATE AND FEDERAL REGULATIONS.

LARGE SPILL: DISPOSE OF IN ACCORDANCE WITH ALL APPLICABLE LOCAL, STATE AND FEDERAL REGULATIONS.

**SECTION VIII-PROTECTIVE EQUIPMENT TO BE USED**

RESPIRATORY PROTECTION: IF WORKPLACE EXPOSURE LIMIT(S) OF PRODUCT OR ANY COMPONENT IS EXCEEDED (SEE SECTION II), A NIOSH/MSHA APPROVED AIR SUPPLIED RESPIRATOR IS ADVISED IN ABSENCE OF PROPER ENVIRONMENTAL CONTROL. OSHA REGULATIONS ALSO PERMIT OTHER NIOSH/MSHA RESPIRATORS (NEGATIVE PRESSURE TYPE) UNDER SPECIFIED CONDITIONS (SEE YOUR INDUSTRIAL HYGIENIST). ENGINEERING OR ADMINISTRATIVE CONTROLS SHOULD BE IMPLEMENTED TO REDUCE EXPOSURE.

VENTILATION: PROVIDE SUFFICIENT MECHANICAL (GENERAL AND/OR LOCAL EXHAUST) VENTILATION TO MAINTAIN EXPOSURE BELOW TLV(S).

PROTECTIVE GLOVES: WEAR RESISTANT GLOVES (CONSULT YOUR SAFETY EQUIPMENT SUPPLIER).

Press Room

**ECOTEC  
MATERIAL  
SAFETY DATA  
SHEET**

**HAZARD RATINGS**  
Minimal.....0  
Slight.....1  
Moderate..2  
Serious.....3  
Severe.....4

**HEALTH**  
**FLAMMABILITY**  
**REACTIVITY**

2
1
0

This information is proprietary and is furnished solely for the use of our customers.

**SECTION I**

**TRADE NAME** Top Gun Fountain Solution #13      **ADDRESS:** 11225 SEBRING DRIVE  
**PRODUCT CLASS**      CINCINNATI, OHIO 45240  
**EMERGENCY PHONE NUMBER:** (513)-742-3333 or (615)-793-6711

**SECTION II - HAZARDOUS INGREDIENTS**

Ingredient	CAS NO.	TLV	SOURCE
Dipropylene Glycol Methyl Ether < 5 %	34590-94-8	150 ppm	ACGIH
Ethylene Glycol	107-21-1	50ppm	ACGIH

**SECTION III - PHYSICAL DATA**

<b>BOILING RANGE ° F</b> 215-340	<b>VAPOR DENSITY</b> Heavier than Air	<b>LIQUID DENSITY</b> Lighter than Water
<b>APPEARANCE</b> Blue-green liquid	<b>EVAPORATION RATE</b> Slower than Butyl Acetate	<b>TYPE OF ODOR</b> Mild

**SECTION IV - FIRE AND EXPLOSION HAZARD DATA**

<b>FLAMMABILITY CLASSIFICATION</b> Combustible	<b>FLASH POINT RANGE ° F</b> None	<b>LOWEST LEL</b> NA
<b>EXTINGUISHING MEDIA</b> CO2 or Dry Chemical	<b>UNUSUAL FIRE AND EXPLOSION HAZARDS</b> Keep work areas free of hot metal surfaces and other sources of ignition.	

**SPECIAL FIREFIGHTING PROCEDURES**

The use of self contained breathing apparatus is recommended for fire fighters. Water may be used to keep adjacent containers cool. Avoid spreading burning liquid with water used for cooling.

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## SECTION V - HEALTH HAZARD DATA

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### EFFECTS OF OVEREXPOSURE

May cause dizziness in non-ventilated areas. Prolonged or repeated skin contact may cause dermatitis. Inhalation of vapors can cause headache, nausea and irritation of nose and throat. Chronic exposure above the TLV can cause injury to the central nervous system and can cause other systemic effects.

### PRIMARY ROUTES OF ENTRY

Dermal      Inhalation

### EMERGENCY AND FIRST AID PROCEDURES

EYE CONTACT - Flush with water for 15 minutes-if irritation persists, get medical attention.

SKIN CONTACT - Wash well with soap and water - use suitable handcream.

INHALATION - Remove individual to fresh air. INGESTION - Call physician immediately.

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## SECTION VI - REACTIVITY DATA

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### PRODUCT STABILITY

Stable

### CONDITIONS TO AVOID

Avoid contact with strong acids or oxidizers.

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## SECTION VII - SPILL OR LEAK PROCEDURES

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### PROCEDURE WHEN MATERIAL SPILLED OR RELEASED

Eliminate all sources of vapor ignition. Ventilate area.  
Remove by using suitable inert absorbing material.

### WASTE DISPOSAL METHOD

In accordance with local, State and Federal regulations.

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## SECTION VIII - SPECIAL PROTECTION INFORMATION

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### VENTILATION

If general ventilation proves inadequate to maintain safe vapor concentration, supplemental local exhaust may be required. Other special precautions, such as respiratory protection, may be required if vapor concentrations cannot be reduced to below the TLV by ventilation.

### PROTECTIVE GLOVES

Gloves and goggles or face shield should be worn during the handling procedures where splashing is possible.

### EYE PROTECTION

None required under normal operating conditions.

### RESPIRATORY PROTECTION

Protective clothing to prevent body contact.

### OTHER PROTECTIVE EQUIPMENT

N.A.

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## SECTION IX - SPECIAL PRECAUTIONS

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Keep containers closed when not in use.

Keep away from excess heat.

Issued: 12/01/88



*Ecotec*

*Division of Ecovar, Inc.*

## TECHNICAL DATA BULLETIN

### TOP GUN SERIES

#### PRODUCT

The Top Gun Series of fountain solutions is Ecotec's answer to a sophisticated solution to today's inks and press room requirements. Top Gun is designed for high speed web presses utilizing brush, Duotrol-type dampening and the Dahlgren-type dampeners. Top Gun incorporates an active blend of film formers, plate cleaners, and wetting agents. These ingredients in the Top Gun Series insure that the offset plate runs clean, the blanket resists piling and provides a stable ink and water balance.

#### APPLICATION

On brush dampeners a press ready solution of 3 to 3 1/2 oz. per gallon is sufficient with a conductivity of about 1000 to 1200 micromhos over the water. The pH will be steady in the 3.9 to 4.3 range since Top Gun is very well buffered.

For the Duotrol-type dampers and integrated Dahlgren-type dampeners, a dilution of 4 to 5 oz. per gallon is recommended for additional wetting. In this range, Top Gun on press will run a conductivity of 1200 to 1400 micromhos over the water and again the pH will be steady in the 3.9 to 4.3 range.

Top Gun Series is available for all types of water. Ecotec's regular works for the softest water to medium hard. For the harder waters (over 500 micromhos) found in the midwest and other parts of the U.S., a hard water version is available. For more complete data and recommendations please contact Ecotec for a complete water analysis.

#### PACKAGING

4 X1, 5, 30, and 55 gallon containers  
Also available in bulk tanks.

#### QUESTIONS ?

For more information on Top Gun or other fine products from Ecotec, please call us at 1(800) 543-1303.

**SAFETY-KLEEN 105 SOLVENT**  
**MATERIAL SAFETY DATA SHEET FOR U.S.A. AND CANADA**

**SECTION 1 -- PRODUCT AND PREPARATION INFORMATION**

**PRODUCT INFORMATION**

**IDENTITY (TRADE NAME):** SAFETY-KLEEN 105 SOLVENT  
**SYNONYMS:** Mineral Spirits, Stoddard Solvent, Petroleum distillates, Petroleum naphtha  
**SK PART NUMBER(S):** 6617  
**FAMILY/CHEMICAL NAME:** Aliphatic hydrocarbon  
**PRODUCT USE:** Cleaning and degreasing metal parts.  
 If this product is used in combination with other chemicals,  
 refer to the Material Safety Data Sheets for those chemicals.

<i>24-HOUR EMERGENCY TELEPHONE</i>	<i>MEDICAL:</i>	<i>TRANSPORTATION:</i>
These numbers are for emergency use only. If you desire non-emergency information about this product, please call a telephone number listed below.	1-800-752-7869 (U.S.A.) 1-312-942-5969 (CANADA)  RUSH POISON CONTROL CENTER CHICAGO, ILLINOIS, U.S.A.	1-708-888-4660 (U.S.A.) SAFETY-KLEEN ENVIRONMENT, HEALTH AND SAFETY DEPARTMENT  1-613-996-6666 (CANADA) CANUTEC

**MANUFACTURER/SUPPLIER:** Safety-Kleen Corp. - 777 Big Timber Road - Elgin, IL, U.S.A. 60123  
 Telephone number: 1-800-669-5840  
 Safety-Kleen Canada Inc. - 3090 Blvd. Le Carrefour - Suite 300 - Chomedey Laval  
 Quebec, Canada H7T 2J7 Telephone number: 1-800-363-2260

**PREPARATION INFORMATION**

**MSDS FORM NO.:** 82310 **REVISION DATE:** January 15, 1992  
**ORIGINAL ISSUE DATE:** July 20, 1989 **SUPERSEDES:** December 14, 1990  
**PREPARED BY:** Product MSDS Coordinator **APPROVED BY:** MSDS Task Force  
**TELEPHONE NUMBER:** For Product Technical Information Call 1-312-694-2700 (U.S.A.);  
 1-800-363-2260 (Canada)

**SECTION 2 -- HAZARDOUS COMPONENTS**

<u>NAME</u>	<u>SYNONYM</u>	<u>CAS NO.</u>	<u>WT%</u>	<u>OSHA PEL</u>		<u>ACGIH TLV</u>		<u>OTHER DATA</u>	
				<u>TWA</u> (ppm)	<u>STEL</u> (ppm)	<u>TWA</u> (ppm)	<u>STEL</u> (ppm)	<u>LD<sup>a</sup></u>	<u>LC</u>
Parts Washer Solvent (consists predominantly of C9-C13 saturated hydrocarbons)	Mineral Spirits	64741-41-9	85.0	100 <sup>c</sup>	N.Av.	100 <sup>c</sup>	N.Av.	> 5000 <sup>c</sup>	> 5500 <sup>b,c</sup> mg/m <sup>3</sup> /4 hours
C8 <sup>+</sup> Aromatics	N.Av.	mixture	12.0	N.Av.	N.Av.	N.Av.	N.Av.	N.Av.	N.Av.
Xylene <sup>c</sup>	Dimethylbenzene	1330-20-7	1.0	100	150	100	150	4300	5000 <sup>b</sup> ppm/4 hours
*Ethylbenzene <sup>c</sup>	Phenylethane	100-41-4	0.5	100	125	100	125	3500	4000 <sup>d</sup> ppm/4 hours

# SAFETY-KLEEN 105 SOLVENT

## MATERIAL SAFETY DATA SHEET FOR U.S.A. AND CANADA

*Toluene	Methylbenzene	108-88-3	0.5	100	150	100	150	5000	4000 <sup>d</sup> ppm/4 hours
*1,1,1-trichloroethane	Methyl chloroform	71-55-6	0-0.5**	350	450	350	450	10300	18000 <sup>b</sup> ppm/4 hours
*Perchloroethylene	Tetrachloro-ethylene	127-18-4	0-0.5**	25	N.Av.	50	200	2629	34200 <sup>b</sup> mg/m <sup>3</sup> /8 hours

N.Av. = Not Available

\*See Section 9-Other Regulatory Information

\*\*Even though the concentration range does not fall under the ranges prescribed by WHMIS, this is the actual range which varies with each batch of the product.

<sup>a</sup>Oral-Rat LD50 (mg/kg)

<sup>b</sup>Inhalation-Rat LC50

<sup>c</sup>For Stoddard Solvent

<sup>d</sup>Inhalation-Rat LCLo

<sup>e</sup>Constituent of C8<sup>+</sup> Aromatics

### SECTION 3 -- EMERGENCY AND FIRST AID PROCEDURES

**EYES:** For direct contact, flush eyes with water for 15 minutes lifting upper and lower lids occasionally. If irritation or redness from exposure to vapor or mist develops, move victim away from exposure into fresh air. Consult physician if irritation or pain persists.

**SKIN:** Remove contaminated clothing and shoes. Wash skin twice with soap and water. Consult physician if irritation or pain persists.

**INHALATION: (Breathing)** Remove to fresh air immediately. Use oxygen if there is difficulty breathing or artificial respiration if breathing has stopped. Do not leave victim unattended. Seek immediate medical attention if necessary.

**INGESTION: (Swallowing)** Seek immediate medical attention. Do NOT induce vomiting. If spontaneous vomiting occurs, keep head below hips to avoid aspiration (into lungs).

**SPECIAL NOTE TO PHYSICIAN:** Treat symptomatically and supportively. Administration of gastric lavage, if warranted, should be performed by qualified medical personnel. Contact Rush Poison Control Center (see Section 1) for additional medical information.

### SECTION 4 -- HEALTH HAZARD DATA AND TOXICOLOGICAL PROPERTIES

**PRIMARY ROUTES OF EXPOSURE:** Eye and skin contact; inhalation, ingestion.

**EXPOSURE LIMITS:** See Section 2.

#### SIGNS AND SYMPTOMS OF EXPOSURE

**ACUTE: Eyes:** Contact with liquid or exposure to vapor may cause mild to moderate irritation with stinging, tearing or redness.

**Skin:** Contact tends to remove skin oils, possibly leading to irritation and dermatitis. No significant skin absorption hazard.

**Inhalation (Breathing):** High concentrations of vapor or mist may be irritating to the respiratory tract; may cause nausea; may cause headaches, dizziness, impaired coordination, anesthesia and other central nervous system effects.

**Ingestion (Swallowing):** Low order of acute oral toxicity. May cause irritation of the throat, nausea, vomiting, myocardial injury with arrhythmias and symptoms of central nervous system depression as listed for ACUTE Inhalation. Aspiration into the lungs during ingestion or vomiting may cause mild to severe pulmonary injury and possibly death.

**CHRONIC:** Prolonged or repeated skin contact may cause drying and cracking or dermatitis.

# SAFETY-KLEEN 105 SOLVENT

## MATERIAL SAFETY DATA SHEET FOR U.S.A. AND CANADA

**MEDICAL CONDITIONS  
AGGRAVATED BY  
EXPOSURE:**

Individuals with pre-existing lung, cardiac, central nervous system or skin disorders may have increased susceptibility to the effects of exposure.

**CARCINOGENICITY:**

IARC classifies chemicals by their carcinogenic risk, including agents that are known, probable or possible carcinogens. NTP classifies chemicals as either known carcinogens or for which there is a limited evidence of carcinogenicity in humans or sufficient evidence of carcinogenicity in experimental animals.

Perchloroethylene is listed by IARC as a possible carcinogen. Perchloroethylene is classified by NTP as having limited evidence of carcinogenicity in humans or sufficient evidence of carcinogenicity in experimental animals.

Also see Section 9.

**OTHER POTENTIAL  
HEALTH HAZARDS:**

The following information is required by Canadian WHMIS regulations. Irritancy is covered in Signs and Symptoms of Exposure in Section 4. There is no known human sensitization or toxicologically synergistic product associated with this material. Xylene and toluene have demonstrated experimental effects for reproductive toxicity, mutagenicity and teratogenicity. Studies indicate ethylbenzene and 1,1,1-trichloroethane are experimental teratogens.

### SECTION 5 -- FIRE AND EXPLOSION HAZARD DATA

**EMERGENCY RESPONSE  
GUIDE NUMBER:**

27  
Reference Emergency Response Guidebook (DOT 5800.5)

**FIRE AND  
EXPLOSION HAZARDS:**

Vapor explosion hazard may occur indoors, outdoors or in sewers. Decomposition and combustion products may be toxic. Heated containers may rupture, explode or be thrown into the air. Vapors are heavier than air and may travel great distances to ignition source and flash back. Not sensitive to mechanical impact. Material may be sensitive to static discharge, which could result in fire or explosion.

**FIRE FIGHTING PROCEDURES:**

NFPA 704 Rating 0-2-0 (Health-Fire-Reactivity)  
Keep storage containers cool with water spray. Positive pressure self-contained breathing apparatus (SCBA) and structural firefighters' protective clothing will provide limited protection.

**EXTINGUISHING MEDIA:**

Carbon dioxide, foam, dry chemical or water spray.

**CONDITIONS OF FLAMMABILITY:**

Heat, sparks or flame.

**FLASH POINT:**

105°F (40°C) SETA

**AUTOIGNITION TEMPERATURE:**

473°F (245°C)

**FLAMMABLE LIMITS IN AIR:**

**LOWER:** 0.7 Vol. %                      **UPPER:** 6.0 Vol. %

**HAZARDOUS COMBUSTION  
PRODUCTS:**

Burning may produce carbon monoxide.

### SECTION 6 -- REACTIVITY DATA

**STABILITY:**

Stable under normal temperatures and pressures, and not reactive with water.

**INCOMPATIBILITY (MATERIALS AND  
CONDITIONS TO AVOID):**

Acids, oxidizing agents or chlorine may cause a violent reaction. Avoid heat, sparks or flame.

**HAZARDOUS POLYMERIZATION:**

Not known to occur under normal temperatures and pressures.

# SAFETY-KLEEN 105 SOLVENT

## MATERIAL SAFETY DATA SHEET FOR U.S.A. AND CANADA

### HAZARDOUS DECOMPOSITION PRODUCTS:

None under normal temperatures and pressures.

## SECTION 7 -- PREVENTIVE MEASURES

### PRECAUTIONS FOR SAFE USE AND HANDLING

#### HANDLING PRECAUTIONS:

Keep away from heat, sparks or flame. Metal containers, including tank cars and trucks, should be grounded and bonded when material is transferred. Avoid contact with eyes, skin, clothing or shoes. Use in well ventilated area and avoid breathing vapor or mist.

#### PERSONAL HYGIENE:

Use good personal hygiene. Wash thoroughly with soap and water after handling and before eating, drinking or using tobacco products. Clean contaminated clothing, shoes and protective equipment before reuse. Discard contaminated clothing, shoes or protective equipment if they cannot be thoroughly cleaned.

#### SHIPPING AND STORING PRECAUTIONS:

Keep container tightly closed when not in use and during transport. Do not pressurize, cut, heat, weld, grind or expose containers to flame or other sources of ignition. Empty product containers may contain product residue. See Section 9 for Packing Group information.

#### SPILL PROCEDURES:

Remove all ignition sources. Stop leak if you can do it without risk. Wear protective equipment specified in Section 7, CONTROL MEASURES. Ventilate area and avoid breathing vapor or mist. Water spray may reduce vapor; but it may not prevent ignition in closed spaces. For large spills, isolate area and deny entry; dike far ahead of liquid spill for later disposal. Contain away from surface waters and sewers. If possible, contain as a liquid for possible re-refining or sorb with compatible sorbent material and shovel with a non-sparking tool into closable container for disposal. See Emergency Response Guidebook (DOT P 5800.5) Guide Number 27 for more information.

#### WASTE DISPOSAL METHODS:

Dispose in accordance with federal, state, provincial and local regulations. Contact Safety-Kleen regarding recycling or proper disposal.

### CONTROL MEASURES

#### EYE PROTECTION:

Where there is likelihood of eye contact, wear chemical goggles and faceshield. Do NOT wear contact lenses.

#### PROTECTIVE GLOVES:

Use Nitrile, Viton<sup>®</sup> or equivalent gloves to prevent contact with skin. Do NOT use Butyl rubber, natural rubber or equivalent gloves.

#### RESPIRATORY PROTECTION:

Use NIOSH/MSHA-approved respiratory protective equipment when concentration of vapor or mist exceeds applicable exposure limit. A self-contained breathing apparatus (SCBA) and full protective equipment is required for large spills or fire emergencies. Selection and use of respiratory protective equipment should be in accordance in the U.S.A. with OSHA General Industry Standard 29 CFR 1910.134 and in Canada with CSA Standard Z94.4-M1982.

#### ENGINEERING CONTROLS:

Provide process enclosure or local ventilation needed to maintain concentration of vapor or mist below applicable exposure limits. Where explosive mixtures may be present, systems safe for such locations should be used.

#### OTHER PROTECTIVE EQUIPMENT:

Where spills and splashes are possible, wear appropriate solvent-resistant boots, apron or other protective clothing. Clean water should be available in work areas for flushing the eyes and skin.

## SECTION 8 -- PHYSICAL DATA

### PHYSICAL STATE, APPEARANCE AND ODOR:

Liquid, clear, green with characteristic hydrocarbon odor

### ODOR THRESHOLD:

Not available



# SAFETY-KLEEN 105 SOLVENT

## MATERIAL SAFETY DATA SHEET FOR U.S.A. AND CANADA

<b>SPECIFIC GRAVITY:</b>	0.77 to 0.80 at 60/60°F (16/16°C) (water = 1)
<b>DENSITY:</b>	6.4 to 6.7 lbs/gal
<b>VAPOR DENSITY:</b>	4.9 (air = 1)
<b>VAPOR PRESSURE:</b>	2 mm Hg at 68°F (20°C)
<b>BOILING POINT:</b>	304 to 435°F (151 to 224°C)
<b>FREEZING POINT:</b>	Not available
<b>pH:</b>	7 (water extraction)
<b>VOLATILE ORGANIC COMPOUNDS: (US EPA DEFINITION)</b>	100 WT%; 6.4 to 6.7 lbs/gal; 770 to 800 g/l
<b>EVAPORATION RATE:</b>	0.1 (butyl acetate = 1)
<b>SOLUBILITY IN WATER:</b>	Slight
<b>COEFFICIENT OF WATER/OIL DISTRIBUTION:</b>	Not available
<b>MOLECULAR WEIGHT:</b>	142 (approximately)

### SECTION 9 -- OTHER REGULATORY INFORMATION

#### TRANSPORTATION INFORMATION

<b>DOT PROPER SHIPPING NAME:</b>	COMBUSTIBLE LIQUID, N.O.S. (Mineral Spirits)
<b>DOT CLASS:</b>	Combustible Liquid
<b>DOT ID NUMBER:</b>	NA1993, PGIII
<b>TDG CLASSIFICATION:</b>	Naphtha, solvent, Class 3.3, UN1256, P.G. III

#### SARA TITLE III:

Product contains toxic chemicals subject to the reporting requirements of Section 313 of Title III of the Superfund Amendments and Reauthorization Act of 1986 and 40 CFR Part 372. Toxic constituents are listed with an asterisk in Section 2 of this Material Safety Data Sheet.

Product poses the following physical and health hazards as defined in 40 CFR 370.3 (Sections 311, 312 of SARA Title III):

Immediate (Acute) Health Hazard  
Delayed (Chronic) Health Hazard  
Fire Hazard

#### WHMIS CLASSIFICATION:

Class B3, Combustible Liquids;  
Class D2A, Infectious and Toxic Materials, Other Toxic Effects, Very Toxic Material;  
Class D2B, Infectious and Toxic Materials, Other Toxic Effects, Toxic Material

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