

GARDEN GROVE FIRE DEPARTMENT REQUEST FOR RECORDS SEARCH

Tel: (714) 741-5600 Fax: (714) 741-5640

***PLEASE RETURN THIS FORM BY MAIL WITH CHECK FOR \$25.00.**

***PAYABLE TO: CITY OF GARDEN GROVE. MAIL TO: 11301 ACACIA PARKWAY, GARDEN GROVE, CA 92840**

USE ONE FORM PER ADDRESS. YOU MAY PHOTOCOPY THIS FORM IF ADDITIONAL FORMS ARE NEEDED.

RECORDS SEARCH REQUEST FOR THE FOLLOWING ADDRESS:

Name of business

14272 Commerce Drive (APN: 099-182-28)

Street address (one address per form)

Suite no.

Garden Grove

CA

92843

City

State

Zip

Due diligence for a Phase I Environmental Site Assessment

Reason for Request

FIRE CODE ENFORCEMENT INFORMATION REQUESTED FOR:

Fire Code Violation History

- Current occupant
- Previous occupant

Permits

- Current permits
- All permits on file for address

Hazardous Materials Disclosure

- Current occupant
- Previous occupant

Environmental Records

- Underground storage tanks

Other

- Specify: above ground storage tanks

INFORMATION REQUESTED BY:

Lauren Sagun

(310)854-6300

(310)854-0199

Name of requester

Phone number

Fax number

Andersen Environmental

Requester's company name

5261 West Imperial Highway

Requester's street address

Los Angeles

CA

90045

City

State

Zip

Would you like your information: Faxed Mailed Held for pick-up

FOR OFFICIAL USE ONLY

Date received: _____

Records found: Yes No

Trade secret: Yes No

Requester notified by: _____

Information released: _____



CITY OF GARDEN GROVE
FIRE DEPARTMENT

June 16, 2015

Lauren Sagun
Andersen Environmental

Request #1080 for 14272 Commerce Drive, Garden Grove, CA 92843

Dear Madam:

Enclosed are the records found concerning the history of the above-mentioned site(s), especially as it pertains to fire code violation history, permits, the use, storage, or disposal of hazardous substances, and the installation or removal of underground flammable or combustible liquid storage tanks.

The City of Garden Grove Fire Department has utilized its best efforts to locate the records requested. However, the City makes no representation as to the accuracy of the records or that all records requested were retained or located. The City does not provide records on spills, leaks or clean-up, as that information is provided through the County of Orange Health Dept.

Sincerely,

A handwritten signature in black ink, appearing to read 'Nate Brady', written over a light blue horizontal line.

Nate Brady
Division Chief/Fire Marshal

A handwritten signature in black ink, appearing to read 'Thanh Nguyen', written over a light blue horizontal line.

By: Thanh Nguyen
Fire Captain/Senior Fire Protection Specialist

VIOLATIONS

Inspection # :935717 1.Insp_Date:08-25-93
2. Permit # :
3. Address :14272 COMMERCE DR
4. Business Name/DBA :BODYWAVES INC
5. Address Info : 6.Buslic :136494
7. Business Owner :SU, ANDREW
8. Business Address :14272 COMMERCE DR 10.Bus Phone554-5451
9. Business CityStZip:GARDEN GROVE CA 92843 11.EmerPhone639-6149

12.Occ Group :B2 16.5yr Cert. : 20.MBCC :Y
13.Occ Load : 17.FDC loc : 21.Clear date :09-15-93
14.No of Ext :16.16 18.Haz Mat'l :N 22.InspectorId:3602
15.Sprinklers:Y 19.ReInsp date:09-15-93 HARLAN, JEFFREY J

=====

Violation Code Violation description

=====

- 1 UFC 10.504 HAVE YOUR FIRE EXTINGUISHER(S) SERVICED ANNUALLY
- 2 BY A STATE FIRE MARSHAL-LICENSED BUSINESS.



FIRE SAFETY SURVEY
GARDEN GROVE FIRE DEPARTMENT

11301 Acacia Parkway, Garden Grove, CA 92842
Bus 714-741-5600 Fax 714-741-5640

File # 4061
Fire District 2721
Inspector FPB Shift N
Next Insp 11 / 2006

Occupant or DBA MONEY MAILER Business Phone 714 265-4100
Address 14272 COMMERCE Suite Zip 92844
Property Owner Phone
Emergency Contact Bao Duong Security Phone 714-5690
Group S1 Load Sprinklers F/P/N F 5 yr. Cert. 04/30/2002 Haz Mat

Fire Permits

high pile combustibles storage

An inspection at the above location/occupancy revealed the following violations(s)

SIGNS

- Provide address visible from the street (CFC 901.44)
Provide hazardous materials warning signs (CFC 8001.7)

EXITS

- Provide approved panic hardware (CFC 1207.4)
Remove locks, chains, bolts or bars from exit door (CFC 1207.3)
Remove exit door/hardware (CFC 1207.1)
Location
Remove exit obstruction (CFC 1203)
Provide illuminated exit sign(s) (CFC 1212.4)

ACCESS

- Provide outside Knox Box (CFC 902.4)
Remove obstructions to fire apparatus access (CFC 902.2.4.1)

FIRE PROTECTION EQUIP. AND SYS.

- Provide extinguishers 2A10BC 40BC K (CFC 1002.1)
Service and tag extinguisher(s) (CFC 1001.5.1)
Hang extinguisher(s) 3.5'-5' from floor (Title 19, Sec.567.6)
Clean filters, ducts, hood above cooking surface (CFC 1005.2.8)
Service auto-extinguishing system semi-annually (CFC 1005.2.8)
5 yr certification on sprinkler/standpipe system (Title 19, Sect. 904)

NO VIOLATIONS

ADDITIONAL VIOLATIONS AND/OR NOTES

* repair or replace emergency lighting near North lobby exit.
near exit to shipping warehouse

Business representative signature [Signature] Date 11/6/06
Inspector ID # Sacramento, A. Date 11/6/06

Cleared 11/11/06 Mailback card due 11/13/06 Re-inspection date Final Notice

ASSEMBLY OCCUPANCIES

- Post maximum occupancy load sign (CFC 2501.16.1)
Remove combustible decorative material (CFC 2501.5)
Remove storage under stairway (CFC 1210.3)

ELECTRICAL SAFETY PRE-CAUTION!

- Discontinue use of extension cords (CFC 8506)
Keep 30" clear for access in front of electrical panel (CFC 8509.2)
Provide/replace electrical cover socket power strip (CFC 8509.2)
Location

HAZ-MAT SAFETY PRE-CAUTIONS

- Complete Hazardous Materials Disclosure packet 714-741-5636 (CFC 7902.1)
Provide approved cabinet if more than 10 gal. flammable liquids (CFC 7902.5.9)
Provide approved safety containers(s) for flammable liquids (CFC 1103.3.3.2)

MISCELLANEOUS

- Lower storage 18" below sprinklers or 2' from ceiling (CFC 1103.3.3.2)
Secure compressed gas cylinders (CFC 7401.6.4)
Post Business License Fire Department Permit (CFC 105.5)



CITY OF GARDEN GROVE
11301 ACACIA PARKWAY
GARDEN GROVE, CALIFORNIA 92842
(714) 741-5636

CUPA

FACILITY INFORMATION

BUSINESS ACTIVITIES

I. FACILITY IDENTIFICATION

FACILITY ID# 3 0 0 3 5 1. EPA ID # (Hazardous Waste Only) 2.
CAL 000280876

BUSINESS NAME (Same as FACILITY NAME or DBA-Doing Business As) 3.
TL MACHINE, INC.

II. ACTIVITIES DECLARATION

NOTE: If you check YES to any part of this list, please submit the Business Owner/Operator Identification page.

Does your facility...

If Yes, please complete these pages of the UPCF...

A. HAZARDOUS MATERIALS

Have on site (for any purpose) hazardous materials at or above 55 gallons for liquids, 500 pounds for solids, or 200 cubic feet for compressed gases (include liquids in ASTs and USTs); or the applicable Federal threshold quantity for an extremely hazardous substance specified in 40 CFR Part 355, Appendix A or B; or handle radiological materials in quantities for which an emergency plan is required pursuant to 10 CFR Parts 30, 40 or 70?

YES NO

4. HAZARDOUS MATERIALS INVENTORY - CHEMICAL DESCRIPTION (Form 3)

B. UNDERGROUND STORAGE TANKS (USTs)

1. Own or operate underground storage tanks?

YES NO

5. UST FACILITY (Formerly SWRCB Form A)
 UST TANK (one page per tank) (Formerly Form B)

2. Intent to upgrade existing or install new USTs?

YES NO

6. UST FACILITY
 UST TANK (one per tank)
 UST INSTALLATION - CERTIFICATE OF COMPLIANCE (one page per tank) (Formerly Form C)

3. Need to report closing a UST?

YES NO

7. UST TANK (closure portion-one page per tank)

C. ABOVE GROUND PETROLEUM STORAGE TANKS (ASTs)

Own or operate ASTs above these thresholds:
- any tank capacity is greater than 660 gallons, or
- the total aggregate capacity for the entire facility (ASTs, drums and portable containers) greater than 1,320 gallons?

YES NO

8. NO FORM REQUIRED TO CUPAS

D. HAZARDOUS WASTE

1. Generate hazardous waste?
2. Recycle more than 100 kg/month of excluded or exempted recyclable materials (per HSC §25143.2)?

YES NO

9. EPA ID NUMBER - provide at the top of this page

YES NO

10. RECYCLABLE MATERIALS REPORT (one per recycler)

3. Treat hazardous waste on site?

YES NO

11. ONSITE HAZARDOUS WASTE TREATMENT - FACILITY (Formerly DTSC Forms 1772)

ONSITE HAZARDOUS WASTE TREATMENT - UNIT (one page per unit) (Formerly DTSC Forms 1772A,B,C,D and L)

4. Treatment subject to financial assurance requirements (for Permit by Rule and Condition Authorization)?

YES NO

12. CERTIFICATION OF FINANCIAL ASSURANCE (Formerly DTSC Form 1232)

5. Consolidate hazardous waste generated at a remote site?

YES NO

13. REMOTE WASTE/CONSOLIDATION SITE ANNUAL NOTIFICATION (Formerly DTSC Form 1196)

6. Need to report the closure/removal of a tank that was classified waste and cleaned onsite?

YES NO

14. HAZARDOUS WASTE TANK CLOSURE CERTIFICATION (Formerly DTSC Form 1249)

E. LOCAL REQUIREMENTS

ARP: California Accidental Release Prevention Program
SC Chapter 6.95, Article 2, §25531 et seq
Stationary Source with more than a Threshold Quantity of a Regulated Substance in a Process

YES NO

15. REGULATED SUBSTANCE REPORTING FORM (Orange County CUPA)



HAZARDOUS MATERIALS INVENTORY FORM

FORM 3

ADD

DELETE

REVISED 1

Page 1 of 1 2

FACILITY ID#	3 0 0 3 5	BUSINESS NAME	TL MACHINE INC.
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I. FACILITY INFORMATION

CHEMICAL LOCATION	SITE MAP 1, F7, OIL BAY REAR YARD		
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CONFIDENTIAL LOCATION EPCRA	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	MAP #	1	GRID #	F7
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II. CHEMICAL INFORMATION

CHEMICAL NAME	BLASOCUT 200X	WASTE	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	TRADE SECRET	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No
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COMMON NAME	CUTTING - OIL / FLUID	An EHS Chemical	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No
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CAS #	64742-52-5	FIRE CODE HAZARD CLASSES (supplied by GGFDD)	
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TYPE (Check one item only)	<input type="checkbox"/> a. PURE <input checked="" type="checkbox"/> b. MIXTURE <input type="checkbox"/> c. WASTE	RADIOACTIVE	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	CURIES	N/A
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PHYSICAL STATE (Check one item only)	<input type="checkbox"/> a. SOLID <input checked="" type="checkbox"/> b. LIQUID <input type="checkbox"/> c. GAS	FED HAZARD CATEGORIES	<input checked="" type="checkbox"/> a. FIRE <input type="checkbox"/> b. REACTIVE <input type="checkbox"/> c. PRESSURE RELEASE <input type="checkbox"/> d. ACUTE HEALTH <input type="checkbox"/> e. CHRONIC HEALTH
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AVERAGE DAILY AMOUNT	55	MAXIMUM DAILY AMOUNT	110	ANNUAL WASTE AMOUNT	275	STATE WASTE CODE	221
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UNITS	<input checked="" type="checkbox"/> a. GALLONS <input type="checkbox"/> b. CUBIC FEET <input type="checkbox"/> c. POUNDS <input type="checkbox"/> d. TONS	DAYS ON SITE	365	LARGEST CONTAINER	55
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DRUM CONTAINER (Check all that apply)	<input type="checkbox"/> a. ABOVEGROUND TANK <input type="checkbox"/> b. UNDERGROUND TANK <input type="checkbox"/> c. TANK INSIDE BLDG <input checked="" type="checkbox"/> d. STEEL DRUM	<input type="checkbox"/> e. PLASTIC DRUM <input type="checkbox"/> f. NONMETALLIC DRUM <input type="checkbox"/> g. METAL CONTAINER <input type="checkbox"/> h. CARBOY	<input type="checkbox"/> i. VAT <input type="checkbox"/> j. FIBER DRUM <input type="checkbox"/> k. BAG(S) <input type="checkbox"/> l. BOX(S)	<input type="checkbox"/> m. CYLINDER <input type="checkbox"/> n. GLASS CONTAINER <input type="checkbox"/> o. PLASTIC CONTAINER <input type="checkbox"/> p. IN MACH OR EQUIP	<input type="checkbox"/> q. TANK WAGON <input type="checkbox"/> r. RAIL CAR <input type="checkbox"/> s. TOTE BIN <input type="checkbox"/> t. OTHER
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STORAGE PRESSURE	<input checked="" type="checkbox"/> a. AMBIENT <input type="checkbox"/> b. ABOVE AMBIENT <input type="checkbox"/> c. BELOW AMBIENT
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STORAGE TEMPERATURE	<input checked="" type="checkbox"/> a. AMBIENT <input type="checkbox"/> b. ABOVE AMBIENT <input type="checkbox"/> c. BELOW AMBIENT <input type="checkbox"/> d. CRYOGENIC
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%WT	HAZARDOUS COMPONENT (For mixture or waste only)	EHS	CAS #
1 45-65	SEVERELY HYDROTREATED MINERAL OIL	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	64742-52-5
2 30-45	EMULSIFIERS	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	61788-76-9
3		<input type="checkbox"/> Yes <input type="checkbox"/> No	
4		<input type="checkbox"/> Yes <input type="checkbox"/> No	
5		<input type="checkbox"/> Yes <input type="checkbox"/> No	

If more hazardous components are present at greater than 1% by weight if non-carcinogenic, or 0.1% by weight if carcinogenic, attach additional sheets of paper capturing the required information.

PLACARDING INFORMATION

UNDOT # N/A

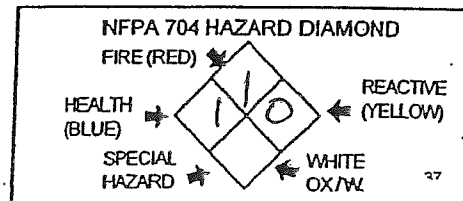
Refer to shipping papers or MSDS

DOT HAZARD CLASS N/A

Refer to shipping papers or MSDS

EPCRA YES NO

If EPCRA, Please Sign Here



MAKE AS MANY COPIES OF CHEMICAL INVENTORY FORM AS NEEDED

OBSOLETE PRODUCT - USE UNTIL DEPLETED



HAZARDOUS MATERIALS INVENTORY FORM

FORM 3

ADD

DELETE

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Page 1 of 1 2

FACILITY ID#	30035	BUSINESS NAME	TL MACHINE INC.
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I. FACILITY INFORMATION

CHEMICAL LOCATION	SITE MAP 1, F7, OIL BAY REAR YARD		
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CONFIDENTIAL LOCATION EPCRA	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	MAP #	1	GRID #	F7
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II. CHEMICAL INFORMATION

CHEMICAL NAME	BLASOCUT-BC40 SW	WASTE	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	TRADE SECRET	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No
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COMMON NAME	CUTTING - OIL / FLUID	An EHS Chemical	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No
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CAS #	64742-52-5	FIRE CODE HAZARD CLASSES (supplied by GGFD)	
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TYPE (Check one item only)	<input type="checkbox"/> a. PURE <input checked="" type="checkbox"/> b. MIXTURE <input type="checkbox"/> c. WASTE	RADIOACTIVE	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	CURIES	N/A
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PHYSICAL STATE (Check one item only)	<input type="checkbox"/> a. SOLID <input checked="" type="checkbox"/> b. LIQUID <input type="checkbox"/> c. GAS	FED HAZARD CATEGORIES	<input checked="" type="checkbox"/> a. FIRE <input type="checkbox"/> b. REACTIVE <input type="checkbox"/> c. PRESSURE RELEASE <input type="checkbox"/> d. ACUTE HEALTH <input type="checkbox"/> e. CHRONIC HEALTH
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AVERAGE DAILY AMOUNT	55	MAXIMUM DAILY AMOUNT	110	ANNUAL WASTE AMOUNT	275	STATE WASTE CODE	221
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UNITS	<input checked="" type="checkbox"/> a. GALLONS <input type="checkbox"/> b. CUBIC FEET <input type="checkbox"/> c. POUNDS <input type="checkbox"/> d. TONS	DAYS ON SITE	365	LARGEST CONTAINER	55
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STORAGE CONTAINER (Check all that apply)	<input type="checkbox"/> a. ABOVEGROUND TANK <input type="checkbox"/> b. UNDERGROUND TANK <input type="checkbox"/> c. TANK INSIDE BLDG <input checked="" type="checkbox"/> d. STEEL DRUM <input type="checkbox"/> e. PLASTIC DRUM <input type="checkbox"/> f. NONMETALLIC DRUM <input type="checkbox"/> g. METAL CONTAINER <input type="checkbox"/> h. CARBOY <input type="checkbox"/> i. VAT <input type="checkbox"/> j. FIBER DRUM <input type="checkbox"/> k. BAG(S) <input type="checkbox"/> l. BOX(S) <input type="checkbox"/> m. CYLINDER <input type="checkbox"/> n. GLASS CONTAINER <input type="checkbox"/> o. PLASTIC CONTAINER <input type="checkbox"/> p. IN MACH OR EQUIP <input type="checkbox"/> q. TANK WAGON <input type="checkbox"/> r. RAIL CAR <input type="checkbox"/> s. TOTE BIN <input type="checkbox"/> t. OTHER
--	---

STORAGE PRESSURE	<input checked="" type="checkbox"/> a. AMBIENT <input type="checkbox"/> b. ABOVE AMBIENT <input type="checkbox"/> c. BELOW AMBIENT
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STORAGE TEMPERATURE	<input checked="" type="checkbox"/> a. AMBIENT <input type="checkbox"/> b. ABOVE AMBIENT <input type="checkbox"/> c. BELOW AMBIENT <input type="checkbox"/> d. CRYOGENIC
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%WT	HAZARDOUS COMPONENT (For mixture or waste only)	EHS	CAS #
45-65	SEVERELY HYDROTREATED MINERAL OIL	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	64742-52-5
30-50	EMULSIFIERS	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	68608-26-4
		<input type="checkbox"/> Yes <input type="checkbox"/> No	
		<input type="checkbox"/> Yes <input type="checkbox"/> No	
		<input type="checkbox"/> Yes <input type="checkbox"/> No	

If more hazardous components are present at greater than 1% by weight if non-carcinogenic, or 0.1% by weight if carcinogenic, attach additional sheets of paper capturing the required information.

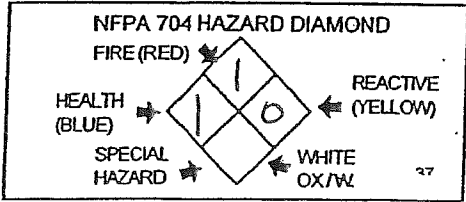
PLACARDING INFORMATION

UNDOT # N/A Refer to shipping papers or MSDS

DOT HAZARD CLASS N/A Refer to shipping papers or MSDS

EPCRA YES NO

X If EPCRA, Please Sign Here



MAKE AS MANY COPIES OF CHEMICAL INVENTORY FORM AS NEEDED

OBSOLETE PRODUCT - USE UNTIL DEPLETED



HAZARDOUS MATERIALS INVENTORY FORM

FORM 3

ADD DELETE REVISED 1 Page 1 of 1 2

FACILITY ID# 30035 BUSINESS NAME TL MACHINE, INC.

I. FACILITY INFORMATION
CHEMICAL LOCATION DOCK ON EAST SIDE OF FACILITY. - NEXT TO OIL BAY
CONFIDENTIAL LOCATION Yes No 5 MAP # 6 GRID # F-7

II. CHEMICAL INFORMATION
CHEMICAL NAME HOCUT 795-NB WASTE Yes 8 TRADE SECRET Yes No 11
COMMON NAME COOLANT 9 An EHS Chemical Yes No 12
CAS # 64742-52-5 10 FIRE CODE HAZARD CLASSES (supplied by GGFD) 13
TYPE (Check one item only) a. PURE b. MIXTURE c. WASTE 14 RADIOACTIVE Yes No 15 CURIES N/A 16
PHYSICAL STATE (Check one item only) a. SOLID b. LIQUID c. GAS 17 FED HAZARD CATEGORIES a. FIRE b. REACTIVE c. PRESSURE RELEASE 18
 d. ACUTE HEALTH e. CHRONIC HEALTH
AVERAGE DAILY AMOUNT 55 19 MAXIMUM DAILY AMOUNT 275 GAL. 20 ANNUAL WASTE AMOUNT 24 (55 GAL DRUMS) 21 STATE WASTE CODE 221 22
UNITS a. GALLONS b. CUBIC FEET 23 DAYS ON SITE 365 24 LARGEST CONTAINER 55 GAL 25
 c. POUNDS d. TONS
*If EHS, amount must be in pounds.

STORAGE CONTAINER (Check all that apply) a. ABOVEGROUND TANK e. PLASTIC DRUM i. VAT m. CYLINDER q. TANK WAGON 26
 b. UNDERGROUND TANK f. NONMETALLIC DRUM j. FIBER DRUM n. GLASS CONTAINER r. RAIL CAR
 c. TANK INSIDE BLDG g. METAL CONTAINER k. BAG(S) o. PLASTIC CONTAINER s. TOTE BIN
 d. STEEL DRUM h. CARBOY l. BOX(S) p. IN MACH OR EQUIP t. OTHER

STORAGE PRESSURE a. AMBIENT b. ABOVE AMBIENT c. BELOW AMBIENT 27

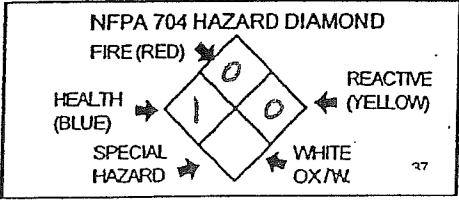
STORAGE TEMPERATURE a. AMBIENT b. ABOVE AMBIENT c. BELOW AMBIENT d. CRYOGENIC 28

%WT	HAZARDOUS COMPONENT (For mixture or waste only)	EHS	CAS #
1	<u>30-60% MINERAL OIL</u>	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No 31	<u>64742-52-5</u> 32
2		<input type="checkbox"/> Yes <input type="checkbox"/> No 31	32
3		<input type="checkbox"/> Yes <input type="checkbox"/> No 31	32
4		<input type="checkbox"/> Yes <input type="checkbox"/> No 31	32
5		<input type="checkbox"/> Yes <input type="checkbox"/> No 31	32

If more hazardous components are present at greater than 1% by weight if non-carcinogenic, or 0.1% by weight if carcinogenic, attach additional sheets of paper capturing the required information.

PLACARDING INFORMATION

UNDOT # N/A 33 Refer to shipping papers or MSDS
DOT HAZARD CLASS N/A 34 Refer to shipping papers or MSDS
EPCRA YES NO 35



X _____ 36 If EPCRA, Please Sign Here
MAKE AS MANY COPIES OF CHEMICAL INVENTORY FORM AS NEEDED



HAZARDOUS MATERIALS INVENTORY FORM

FORM 3

ADD

DELETE

REVISED 1

Page 1 of 1 2

FACILITY ID#	30035	BUSINESS NAME	TL MACHINE INC.
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I. FACILITY INFORMATION

CHEMICAL LOCATION	SITE MAP 1, F7, OIL BAY REAR YARD		
CONFIDENTIAL LOCATION EPCRA	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	MAP #	1
		GRID #	F7

II. CHEMICAL INFORMATION

CHEMICAL NAME	MOBIL DTE 24	WASTE	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	TRADE SECRET	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No
COMMON NAME	MACHINE - OIL	* If EPCRA see instructions			
CAS #	7440-66-6	FIRE CODE HAZARD CLASSES (supplied by GGFD)			
TYPE (Check one item only)	<input type="checkbox"/> a. PURE <input checked="" type="checkbox"/> b. MIXTURE <input type="checkbox"/> c. WASTE	RADIOACTIVE	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	CURIES	N/A
PHYSICAL STATE (Check one item only)	<input type="checkbox"/> a. SOLID <input checked="" type="checkbox"/> b. LIQUID <input type="checkbox"/> c. GAS	FED. HAZARD CATEGORIES	<input checked="" type="checkbox"/> a. FIRE <input type="checkbox"/> b. REACTIVE <input type="checkbox"/> c. PRESSURE RELEASE <input type="checkbox"/> d. ACUTE HEALTH <input type="checkbox"/> e. CHRONIC HEALTH		
AVERAGE DAILY AMOUNT	55	MAXIMUM DAILY AMOUNT	110	ANNUAL WASTE AMOUNT	165
				STATE WASTE CODE	221
UNITS	<input checked="" type="checkbox"/> a. GALLONS <input type="checkbox"/> b. CUBIC FEET <input type="checkbox"/> c. POUNDS <input type="checkbox"/> d. TONS	DAYS ON SITE	365	LARGEST CONTAINER	55

STORAGE CONTAINER (Check all that apply)	<input type="checkbox"/> a. ABOVEGROUND TANK <input type="checkbox"/> e. PLASTIC DRUM <input type="checkbox"/> i. VAT <input type="checkbox"/> m. CYLINDER <input type="checkbox"/> q. TANK WAGON	<input type="checkbox"/> b. UNDERGROUND TANK <input type="checkbox"/> f. NONMETALLIC DRUM <input type="checkbox"/> j. FIBER DRUM <input type="checkbox"/> n. GLASS CONTAINER <input type="checkbox"/> r. RAIL CAR	<input type="checkbox"/> c. TANK INSIDE BLDG <input type="checkbox"/> g. METAL CONTAINER <input type="checkbox"/> k. BAG(S) <input type="checkbox"/> o. PLASTIC CONTAINER <input type="checkbox"/> s. TOTE BIN	<input checked="" type="checkbox"/> d. STEEL DRUM <input type="checkbox"/> h. CARBOY <input type="checkbox"/> l. BOX(S) <input type="checkbox"/> p. IN MACH OR EQUIP <input type="checkbox"/> t. OTHER
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STORAGE PRESSURE	<input checked="" type="checkbox"/> a. AMBIENT <input type="checkbox"/> b. ABOVE AMBIENT <input type="checkbox"/> c. BELOW AMBIENT
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STORAGE TEMPERATURE	<input checked="" type="checkbox"/> a. AMBIENT <input type="checkbox"/> b. ABOVE AMBIENT <input type="checkbox"/> c. BELOW AMBIENT <input type="checkbox"/> d. CRYOGENIC
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%WT	HAZARDOUS COMPONENT (For mixture or waste only)	EHS	CAS #
64	ZINC ALKENYL CARBOXYAMIDE	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	7440-66-6
6	ZINC ALKYL DITHIOPHOSPHATE	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	68649-42-3
		<input type="checkbox"/> Yes <input type="checkbox"/> No	
		<input type="checkbox"/> Yes <input type="checkbox"/> No	
		<input type="checkbox"/> Yes <input type="checkbox"/> No	

If more hazardous components are present at greater than 1% by weight if non-carcinogenic, or 0.1% by weight if carcinogenic, attach additional sheets of paper capturing the required information.

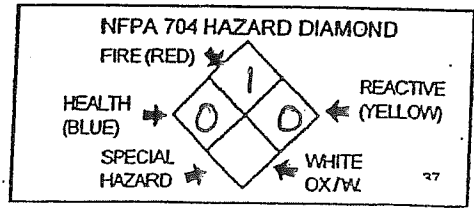
PLACARDING INFORMATION

UNDOT # N/A 33
Refer to shipping papers or MSDS

DOT HAZARD CLASS N/A 34
Refer to shipping papers or MSDS

EPCRA YES NO 35

36
If EPCRA, Please Sign Here



MAKE AS MANY COPIES OF CHEMICAL INVENTORY FORM AS NEEDED



HAZARDOUS MATERIALS INVENTORY FORM

FORM 3

ADD

DELETE

REVISED 1

Page 1 of 1 2

FACILITY ID# 30035 BUSINESS NAME TL MACHINE INC.

I. FACILITY INFORMATION

CHEMICAL LOCATION SITE MAP 1, F7, OIL BAY REAR YARD

CONFIDENTIAL LOCATION EPCRA Yes No 5 MAP # 1 6 GRID # F7 7

II. CHEMICAL INFORMATION

CHEMICAL NAME MOBIL VELOCITE OIL No. 6 WASTE Yes 8 TRADE SECRET Yes No 11
* If EPCRA see instructions

COMMON NAME GEAR - OIL 9 An EHS Chemical Yes No 12
"If EHS is "Yes", all amounts must be LBS

CAS # 64741-89-5 10 FIRE CODE HAZARD CLASSES (supplied by GGFD) 13

TYPE (Check one item only) a. PURE b. MIXTURE c. WASTE 14 RADIOACTIVE Yes No 15 CURIES N/A 16

PHYSICAL STATE (Check one item only) a. SOLID b. LIQUID c. GAS 17 FED. HAZARD CATEGORIES a. FIRE b. REACTIVE c. PRESSURE RELEASE 18
 d. ACUTE HEALTH e. CHRONIC HEALTH

AVERAGE DAILY AMOUNT 55 19 MAXIMUM DAILY AMOUNT 110 20 ANNUAL WASTE AMOUNT 275 21 STATE WASTE CODE 221 22
MAX.

UNITS a. GALLONS b. CUBIC FEET 23 DAYS ON SITE 365 24 LARGEST CONTAINER 55 25
 c. POUNDS d. TONS
"If EHS, amount must be in pounds.

STORAGE CONTAINER (Check all that apply) a. ABOVEGROUND TANK e. PLASTIC DRUM i. VAT m. CYLINDER q. TANK WAGON 26
 b. UNDERGROUND TANK f. NONMETALLIC DRUM j. FIBER DRUM n. GLASS CONTAINER r. RAIL CAR
 c. TANK INSIDE BLDG g. METAL CONTAINER k. BAG(S) o. PLASTIC CONTAINER s. TOTE BIN
 d. STEEL DRUM h. CARBOY l. BOX(S) p. IN MACH OR EQUIP t. OTHER

STORAGE PRESSURE a. AMBIENT b. ABOVE AMBIENT c. BELOW AMBIENT 27

STORAGE TEMPERATURE a. AMBIENT b. ABOVE AMBIENT c. BELOW AMBIENT d. CRYOGENIC 28

%WT	HAZARDOUS COMPONENT (For mixture or waste only)	EHS	CAS #
1 <u>90-100</u> 29	<u>SOLVENT REFINED LIGHT PARAFFINIC DISTILLATE</u> 30	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No 31	<u>64741-89-5</u> 32
2 <u>5-10</u> 29	<u>STRAIGHT-RUN MIDDLE DISTILLATES</u> 30	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No 31	<u>64741-44-2</u> 32
3 29		<input type="checkbox"/> Yes <input type="checkbox"/> No 31	
4 29		<input type="checkbox"/> Yes <input type="checkbox"/> No 31	
5 29		<input type="checkbox"/> Yes <input type="checkbox"/> No 31	

If more hazardous components are present at greater than 1% by weight if non-carcinogenic, or 0.1% by weight if carcinogenic, attach additional sheets of paper capturing the required information.

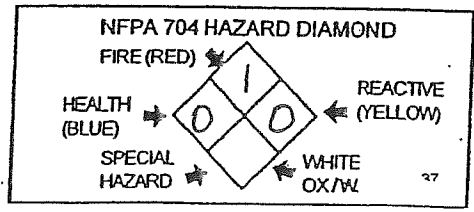
PLACARDING INFORMATION

UNDOT # N/A 33
 Refer to shipping papers or MSDS

DOT HAZARD CLASS N/A 34
 Refer to shipping papers or MSDS

EPCRA YES NO 35

X _____ 36
 If EPCRA, Please Sign Here



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HAZARDOUS MATERIALS INVENTORY FORM

FORM 3

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Page 1 of 2

FACILITY ID#	30035	BUSINESS NAME	TL MACHINE INC.
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I. FACILITY INFORMATION

CHEMICAL LOCATION SITE MAP 1, F7, OIL BAY REAR YARD

CONFIDENTIAL LOCATION EPCRA Yes No 5 MAP# 1 6 GRID# F7 7

II. CHEMICAL INFORMATION

CHEMICAL NAME MAKINO SPINDLE OIL WASTE Yes 8 TRADE SECRET Yes No 11
* If EPCRA see instructions

COMMON NAME SPINDLE-OIL 9 An EHS Chemical Yes No 12
* If EHS is "Yes", all amounts must be LBS

CAS# 64771-72-8 10 FIRE CODE HAZARD CLASSES (supplied by GGFD) 13

TYPE (Check one item only) a. PURE b. MIXTURE c. WASTE 14 RADIOACTIVE Yes No 15 CURIES N/A 16

PHYSICAL STATE (Check one item only) a. SOLID b. LIQUID c. GAS 17 FED HAZARD CATEGORIES a. FIRE b. REACTIVE c. PRESSURE RELEASE 18
 d. ACUTE HEALTH e. CHRONIC HEALTH

AVERAGE DAILY AMOUNT 55 19 MAXIMUM DAILY AMOUNT 110 20 ANNUAL WASTE AMOUNT 275 21 STATE WASTE CODE 221 22

UNITS a. GALLONS b. CUBIC FEET 23 DAYS ON SITE 365 24 LARGEST CONTAINER 55 25
 c. POUNDS d. TONS
* If EHS, amount must be in pounds.

DRAGE CONTAINER (Check all that apply) a. ABOVEGROUND TANK e. PLASTIC DRUM i. VAT m. CYLINDER q. TANK WAGON 26
 b. UNDERGROUND TANK f. NONMETALLIC DRUM j. FIBER DRUM n. GLASS CONTAINER r. RAIL CAR
 c. TANK INSIDE BLDG g. METAL CONTAINER k. BAG(S) o. PLASTIC CONTAINER s. TOTE BIN
 d. STEEL DRUM h. CARBOY l. BOX(S) p. IN MACH OR EQUIP t. OTHER

STORAGE PRESSURE a. AMBIENT b. ABOVE AMBIENT c. BELOW AMBIENT 27

STORAGE TEMPERATURE a. AMBIENT b. ABOVE AMBIENT c. BELOW AMBIENT d. CRYOGENIC 28

%WT	HAZARDOUS COMPONENT (For mixture or waste only)	EHS	CAS #
29	PARAFFINS, PETROLEUM	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	64771-72-8
29	NAPHTHALENESULFONIC ACID	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	25619-56-1
29	PHOSPHORODITHIOIC ACID	<input type="checkbox"/> Yes <input type="checkbox"/> No	68649-42-3
29		<input type="checkbox"/> Yes <input type="checkbox"/> No	
29		<input type="checkbox"/> Yes <input type="checkbox"/> No	

If more hazardous components are present at greater than 1% by weight if non-carcinogenic, or 0.1% by weight if carcinogenic, attach additional sheets of paper capturing the required information.

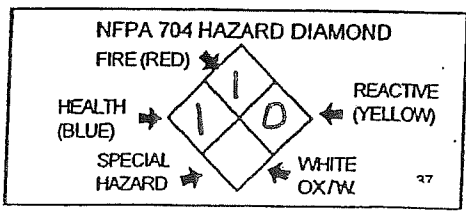
PLACARDING INFORMATION

UNDOT # _____ 33 Refer to shipping papers or MSDS

DOT HAZARD CLASS _____ 34 Refer to shipping papers or MSDS

EPCRA YES NO 35

_____ 36 If EPCRA, Please Sign Here



MAKE AS MANY COPIES OF CHEMICAL INVENTORY FORM AS NEEDED

Blaser Swissslube Inc.
31 Hatfield Lane, Goshen, New York • Tel. (845) 294-3200 • Fax (845) 294-3102

Blaser
SWISSSLUBE

MSDS Blasocut

PRODUCT IDENTIFICATION

Manufacturer: Blaser Swissslube, Inc.
31 Hatfield Lane
Goshen, NY 10924
USA

Emergency phone number USA: (845) 294-3200

Product name: Blasocut 2000 X Art. No. 870-40

Product type: Water-miscible mineral oil based metalworking fluid

Prepared by: OH & S Coordinator

Date of issue: February 14, 2005

Supersedes: Edition 1 of April 21, 2002

HMIS ¹	
Health	1
Fire	1
Reactivity	0

PRODUCT COMPOSITION

Blasocut 2000 X is a mixture of:

Ingredient	%	CAS No:	Regulated in/by:
Severely hydrotreated mineral oil	45 - 65	64742-52-5	OSHA oil mist : 5 mg/m ³
Emulsifiers	30 - 45	68608-26-4 61790-44-1 61791-12-6 61788-76-9	
Chlorinated paraffins (C ₁₆₋₂₀ less than 50% chlorine)	5 - 15	8016-28-2	WHIMS (1%) CA Prop 65 Carcinogen MA(ma9), PA (E) NJ(Subst. 1439 MI(u4,u5)
Polar additives	2 - 5	61788-66-7	
Fungi inhibitor (o-phenylphenol)	2.5	90-43-7	
- Odorant	< 0.1		
Stabilizers Total	< 2		

Na-benzoate; 2,3-pentandiol, 2-methyl; 2-propanol, 1-phenoxy; Ca-acetate; alpha-Tocopherol; citric acid; tartaric acid; ascorbic acid; ascorbylpalmitate; oleylscarcosine; 1-hydroxyethyl-2-oleyl-imidazole, glycerin and odorant

Blasocut 2000 X does not contain as an ingredient: active sulfur, nitrites, formaldehyde or formaldehyde releasing substances, heavy metals (i.e. lead, mercury etc.), arsenic, PCB, PGT, TCDD or other dioxin related substances. Benzo(a)pyrene content less than 10 ppm (GC-MS method).

EMERGENCY & FIRST AID PROCEDURES

Skin contact: Wash with plenty of soap and fresh water (good personal hygiene practices are sufficient). Remove any contaminated clothing and launder before reuse.

Eye contact: Rinse with plenty of fresh water for 20 minutes. Consult physician if necessary.

Inhalation: Remove to fresh air.

Ingestion: Do not induce vomiting; pulmonary aspiration hazard. Consult a physician without delay. If involuntary vomiting occurs, keep mouth below hip level. Get medical attention.

FIRE & EXPLOSION HAZARD DATA

Flash point (COC): > 270°F (132°C)

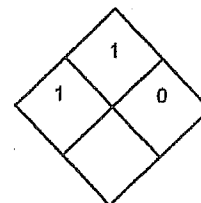
Auto ignition temperature: 572°F (300°C)

Explosion limits: Not applicable

Hazardous combustion products: Oxides of carbon, nitrogen and traces of oxides of chlorine and sulfur, HCl.

Products formed under abnormal conditions: Thermal decomposition of the concentrate above 176°F (80°C) may produce trace amounts of HCl.

NFPA 704¹



¹ See last page for explanations

MSDS Blasocut

FIRE & EXPLOSION HAZARD DATA - continued-

Special fire fighting procedures:	Wear self-contained breathing apparatus when fighting fires in confined spaces. Cool exposed containers with water mist to prevent pressure build-up.
Fire fighting media:	CO ₂ , dry chemical, foam
Unusual fire or explosion hazards:	None

PRECAUTIONS FOR SAFE HANDLING & USE

Steps to be taken in case material is released or spilled:	As with any other industrial lubricating oil, use oil-binding agents. Spills or leaks may cause slippery conditions. Prevent material from getting into storm sewers or surface waters.
Waste disposal methods:	Split emulsion with absorbing agents, salts or ultra-filtration. Dispose according to all applicable federal, state and local regulations.
Precautions to be taken in handling/storing:	Avoid direct solar irradiation of concentrate containers.
Other precautions:	Do not store with strong oxidizers.

CONTROL MEASURES

Respiratory protection:	Not generally required.
Ventilation:	Ventilation sufficient to comply with recommended NIOSH exposure limit for metalworking fluids is suggested.
Protective gloves:	Not generally required.
Eye protection:	Industrial safety glasses are recommended.
Other protective equipment or clothing:	Standard work clothing and shoes.
Work/hygienic practices:	Thorough personal hygiene and clean working practices are sufficient.

CHEMICAL & PHYSICAL PROPERTIES OF THE COMPLETE PRODUCT

Volatiles in %:	Nil
Vapor pressure:	Not volatile
Boiling point:	572°F (300°C)
Pour point:	< -22°F (< -30°C)
pH @ 5%:	8.9 - 9.2
Specific gravity:	0.965 g/cm ³
Viscosity:	133 mm ² /sec @ 68°F (20°C) 39 mm ² /sec @ 104°F (40°C)
Solubility in water:	Emulsifies
Appearance and odor:	Light brown liquid / pleasant odor (almonds)

REACTIVITY DATA

Stability:	Stable
Conditions to avoid:	Avoid direct solar irradiation of containers. Good and safe housekeeping procedures suggest that all combustible materials be stored away from strong oxidizers.
Incompatibility (materials to avoid):	<u>Concentrate:</u> Strong oxidizers <u>End use dilutions:</u> Magnesium
Hazardous decomposition or by-products:	Thermal decomposition (concentrate) above 176°F (80°C): Trace amounts of HCl.
Hazardous polymerization or by-products:	Will not occur

MSDS Blasocut

HEALTH HAZARD DATA

LD₅₀ of concentrate: > 5 g/kg (calculated)

Health hazards (acute/chronic): Not established

Skin irritation: Negative

Eye irritation: Negative

Carcinogenicity: Contains 2.5% o-phenylphenol (CA Prop 65 Carcinogen; Date of listing: August 4, 2000)

Routes of entry:

♦ Inhalation:	Unlikely
♦ Skin:	No
♦ Ingestion:	Accidental only

Ames test: Negative

Signs and symptoms of exposure: None established

Medical conditions generally aggravated by exposure: Not established

OSHA regulated: No

WHMIS regulated: D-2, contains 2.5% OPP

Exposure limits:

NIOSH Recommended exposure limit for Metalworking fluids:	0.5mg/ m ³
OSHA 29 CFR 1910.1000 for oil mist in air:	5 mg/m ³
ACGIH: TLV for oil mist in air:	5 mg/m ³

The Mineral oil used in Blasocut passes IP346 for DMSO extractable PNA. Benzo(a)pyrene content less than 10 ppm (GC-MS method).

ENVIRONMENTAL, REGULATORY AND SUPPLEMENTAL INFORMATION

NFPA Storage: III B

EPCRA (SARA Title III) Section 313 Toxic Chemical (40 CFR 372.65):
Blasocut 2000 X contains 2.5% w/w 2-PHENYLPHENOL (CAS No.: 90-43-7)

SARA Title III hazard information:

♦ Immediate health (acute):	No	♦ Delayed health (chronic):	Yes	♦ Fire Hazard:	No
♦ Reactive hazard:	No	♦ Sudden pressure release:	No		

RCRA / Hazardous Waste:

Blasocut 2000 X, Art. 870-40, as sold, does not meet the criteria of a hazardous waste as defined under 40 CFR 261, in that it does not exhibit the characteristics of a hazardous waste of Subpart C, nor is it listed as a hazardous waste under Subpart D. It is the end user's responsibility to determine the regulatory status of the waste at the time of disposal.

TSCA:

All ingredients of Blasocut 2000 X are listed on the TSCA Chemical Substances Inventory.

Clean Air Act:

Blasocut 2000 X does not contain nor is it manufactured with ozone depleting substances as defined in the Federal Clean Air Act Amendments of 1990, sections 602 and 611.

Canadian DSL / NDSL Information:

All ingredients of Blasocut 2000 X are listed on Canadian DSL.

DOT:

This product is not considered hazardous under current DOT regulations.

Spills:

This product is classified as oil. Spills into or leading to surface waters that cause a sheen should be reported to the National Response Center at 1-800-424-8802.



MSDS Blasocut

ENVIRONMENTAL, REGULATORY AND SUPPLEMENTAL INFORMATION continued

Canadian National Pollutant Release Inventory (NPRI) Substances (C. Gaz. Pt. I, 133:7, 372 (2/13/99) and 133:17, 1089 (4/24/99))
Blasocut 2000 X contains: O-PHENYLPHENOL (2.5%)

California Proposition 65 List of Chemicals Known to the State to Cause Cancer or Reproductive Toxicity (Cal. Code Regs. tit. 22, sec. 12000); O-PHENYLPHENOL (2.5%); CA Prop 65 Carcinogen; Date of listing: August 4, 2000

Massachusetts Right-to-Know Substance List (Mass. Gen. Laws Ann. ch. 111F); 2-PHENYLPHENOL (2.5%) Citation codes: ma9: Toxic Chemical Release Substances, 52 FR 21152 (6/4/87). Subject to SARA Title III.

Michigan Critical Materials Register (1/1/96); Michigan Natural Resources and Environmental Protection Act ((Act 451 of 1994, section 324.3111); O-PHENYLPHENOL (2.5%) Michigan Parameter Number is: 00090-43-7; Citation codes: u4, u5

New Jersey Right-to-Know Substances (N.J. Stat. Ann. Section 34:5A-5); [s1] [1,1'-BIPHENYL] -2-OL (2.5%); NJ Substance Number 1439 [s8] O-PHENYLPHENOL (2.5%); NJ Substance Number 1439

1999 New Jersey Community Right-to-Know Survey; N.J. Environmental Hazardous Substances (EHS) List.; [s4] 2-PHENYLPHENOL(2.5%); NJ Substance Number 1439; NJ Reporting Threshold is: 500 lbs.

New Jersey Spill Tax List (N.J. Admin. Code, Title 7, Chap. 1E, App. A (May 1997), [s4] 2-PHENYLPHENOL (2.5%)

Pennsylvania; 2-PHENYLPHENOL (2.5%) Environmental Hazard (subject to release reporting) E

HMIS Ratings	0	1	2	3	4
Health, Fire, Reactivity	Minimal	Slight	Moderate	Serious	Extreme
NFPA 704 Ratings					
(Under Fire Conditions)					
Health Hazard	Normal Material	Slightly Hazardous	Hazardous	Extreme danger	Deadly
Fire (Flash Point)	Will not Burn	>200°F	100-200°F	73-100°F	<73°F
Reactivity	Stable	Unstable if heated	Violent Chemical change	Shock and Heat may detonate	May detonate

MSDS Blasocut

PRODUCT IDENTIFICATION

Manufacturer: Blaser Swisslube, Inc.
31 Hatfield Lane
Goshen, NY 10924
USA

Emergency phone number USA: (845) 294-3200

Product name: Blasocut BC40SW Art. No. 40016
Blasocut BC20SW Art. No. 40017

Product type: Water-miscible mineral-oil based metal working fluid

Prepared by: OH & S coordinator

Date of issue: February 14, 2005

Supersedes: Edition 2 of May 9, 2003

HMIS ¹	
Health	0
Fire	1
Reactivity	0

PRODUCT COMPOSITION

Blasocut BC40SW and BC20SW is a mixture of:

Ingredient	%	CAS No:	Exposure Limits:
Severely hydrotreated mineral oil	45 - 65	64742-52-5	OSHA: 5mg/m ³
Emulsifiers	30 - 50	68608-26-4 67701-22-8 68154-86-9	
Polar additives	1 - 5	8019-28-2 61788-66-7	
Chlorinated paraffin (C ₁₆₋₂₀ , less than 50% chlorine)	5 - 15	61788-76-9	
Stabilizers and inhibitors:	1 - 5		

Corrosion and fungi inhibitors; Na-benzoate; 2-propanol, 1-phenoxy; Ca-acetate; alpha-Tocopherol; citric acid; tartaric acid; ascorbic acid; ascorbylpalmitate; oleylscarcosine; 1-hydroxyethyl-2-oleyl-imidazoline, glycerin and odorant

Blasocut does not contain as an ingredient: active sulfur, phenols, nitrites, formaldehyde or formaldehyde releasing substances, heavy metals (i.e. lead, mercury etc.), arsenic, PCB, PCT, TCDD or other dioxin related substances. Benzo(a)pyrene content less than 10 ppm (GS-MS method).

EMERGENCY & FIRST AID PROCEDURES

Skin contact: Wash with plenty of soap and fresh water (good personal hygiene practices are sufficient). Remove any contaminated clothing and launder before reuse.

Eye contact: Rinse with plenty of fresh water for 20 minutes. Consult physician if necessary.

Inhalation: Remove to fresh air.

Ingestion: Do not induce vomiting, pulmonary aspiration hazard. Consult a physician without delay. If involuntary vomiting occurs, ensure mouth is below hip level. Get medical attention.

FIRE & EXPLOSION HAZARD DATA

Flash point: (COC): 240°F (116°C)

Auto ignition temperature: - Not determined

Explosion limits: Not applicable

Hazardous combustion products: Oxides of carbon, nitrogen and traces of oxides of sulfur and chlorine, HCl

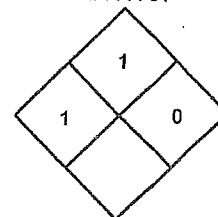
Products formed under abnormal conditions: Thermal decomposition of the concentrate above 176°F may produce trace amounts of HCl.

Fire fighting media: CO₂, dry chemical, foam

Special fire fighting procedures: Wear self-contained breathing apparatus when fighting fires in confined spaces. Cool exposed containers with water mist to prevent pressure build-up.

Unusual fire or explosion hazards: None

NFPA 704¹



¹ See last page for explanation

MSDS Blasocut

PRECAUTIONS FOR SAFE HANDLING & USE

Steps to be taken in case material is released or spilled:	As with any other industrial lubricating oil, use oil-binding agents. Spills or leaks may cause slippery conditions. Prevent material from getting into storm sewers or surface waters.
Waste disposal methods:	Split emulsion with absorbing agents, salts or ultra-filtration. Dispose according to all applicable federal, state and local regulations.
Precautions to be taken in handling/storing:	Avoid direct solar irradiation of concentrate containers.
Other precautions:	Do not store with strong oxidizers.

CONTROL MEASURES

Respiratory protection:	Not generally required.
Ventilation:	Ventilation sufficient to comply with recommended NIOSH exposure limit for metalworking fluids is suggested.
Protective gloves:	Not generally required.
Eye protection:	Industrial safety glasses are recommended.
Other protective equipment or clothing:	Standard work clothing and shoes.
Work/hygienic practices:	Thorough personal hygiene and clean working practices are sufficient.

CHEMICAL & PHYSICAL PROPERTIES OF THE COMPLETE PRODUCT

Volatiles in %:	Nil	
Vapor pressure:	Not volatile	
Boiling point:	Not applicable	
Pour point:	< -22°F (< -30°C)	
Solubility in water:	Emulsifies	
Specific gravity:	40018: 0.98 g/cm ³	40017: 0.97g/cm ³
pH @ 5% after 24 hrs:	8.9 - 9.2	
Viscosity:	40018: 55 mm ² /s @ 104°F (40°C)	40017: 53mm ² /s @ 104°F (40°C)
Appearance and odor:	Light brown liquid / pleasant odor (almonds)	

REACTIVITY DATA

Stability:	Stable
Conditions to avoid:	Avoid direct solar irradiation of concentrate containers. Good and safe housekeeping procedures suggest that all combustible materials be stored away from strong oxidizers.
Incompatibility (materials to avoid):	<u>Concentrate:</u> Strong oxidizers <u>End use dilutions:</u> Magnesium
Hazardous decomposition or byproducts:	Thermal decomposition (concentrate) above 176°F (80°C): Trace amounts of HCl
Hazardous polymerization or byproducts:	Will not occur

MSDS Blasocut

HEALTH HAZARD DATA

LD₅₀ of concentrate: > 5 g/kg (calculated)
Health hazards (acute/chronic): None
Skin sensitizing: Not expected to be sensitizing
Eye irritation: Not expected to be irritating
Carcinogenicity: None of the ingredients are listed in OSHA, NTP or IARC
Routes of entry:
 ♦ Inhalation: Unlikely
 ♦ Skin: No
 ♦ Ingestion: Accidental only
Signs and symptoms of exposure: None established -
Medical conditions generally aggravated by exposure: Not established
OSHA regulated: No
Exposure limits: NIOSH Recommended exposure limit for Metalworking fluids: 0.5mg/ m³
 OSHA 29 CFR 1910.1000 for oil mist in air: 5 mg/m³
 ACGIH: TLV for oil mist in air: 5 mg/m³

The Mineral oil used In Blasocut passes IP346 for DMSO extractable PNA-Benzo(a)pyrene content less than 10 ppm (GC-MS method).

ENVIRONMENTAL, REGULATORY AND SUPPLEMENTAL INFORMATION

NFPA Storage: III B

SARA Title III information:

♦ Immediate health (acute): No
 ♦ Reactive hazard: No
 ♦ Fire hazard: No
 ♦ Delayed health (chronic): No
 ♦ Sudden pressure release: No

Blasocut does not contain any ingredients listed on the SARA Title III, Section 313 list or CERCLA List of Chemicals.

RCRA / Hazardous Waste: Blasocut, as sold, does not meet the criteria of a hazardous waste as defined under 40CFR 261, in that it does not exhibit the characteristics of a hazardous waste of subpart C, nor is it listed as a hazardous waste under subpart D. It is the end-user's responsibility to determine the regulatory status of the waste at the time of disposal and dispose of according to all applicable federal, state and local regulations

TSCA: All ingredients of Blasocut are listed on the TSCA Chemical Substances Inventory.

Canadian DSL / NDSL information: All ingredients of Blasocut are listed on Canadian DSL.

Clean Air Act: Blasocut does not contain nor is it manufactured with ozone depleting substances as defined in the Federal Clean Air Act Amendments of 1990, sections 602 and 611.

DOT: Blasocut is not considered hazardous under current DOT regulations.

Spills: This product is classified as oil. Spills into or leading to surface waters that cause a sheen should be reported to the National Response Center at 1-800-424-8802.

HMIS Ratings	0	1	2	3	4
Health, Fire, Reactivity	Minimal	Slight	Moderate	Serious	Extreme
NFPA 704 Ratings (Under fire conditions)					
Health Hazard	Normal Material	Slightly Hazardous	Hazardous	Extreme danger	Deadly
Fire (Flash Point)	Will not Burn	>200°F	100-200°F	73-100°F	<73°F
Reactivity	Stable	Unstable if heated	Violent Chemical change	Shock and Heat may detonate	May detonate



Houghton International Inc.

Revision Date : 08/15/2006

Material Safety Data Sheet HOCUT 795-NB

1. Chemical Product and Company Identification

Product Name	HOCUT 795-NE	Emergency Phone Number	24 HOUR - (800) 424-9300 (CHEMTREC)
Company Name	Houghton International Inc. Madison & Van Buren Aves Valley Forge, PA 19482	FAX	(610) 666-1376
Website	www.houghtonintl.com	Customer Service	(888) 459-9844
Telephone	(610) 666-4000		

2. Hazardous Ingredients

Component	Cas No	% by Weight	Hazards
Mineral Oil	64742-52-5	30-60	TLV: 5 mg/m ³ as oil mist PEL: 5 mg/m ³ as oil mist STEL: 10 mg/m ³ as oil mist Other:

N/E - Not Established; N/A - Not Applicable; Mfr - Manufacturer Recommendation

3. Hazards Identification

Primary Entry Routes	EYES, SKIN, INHALATION
Acute Effects	
Inhalation	INHALATION OF MISTS MAY CAUSE IRRITATION OF THE UPPER RESPIRATORY TRACT.
Eye	MAY CAUSE EYE IRRITATION.
Skin	PROLONGED OR REPEATED SKIN CONTACT MAY CAUSE IRRITATION.
Ingestion	INGESTION MAY CAUSE NAUSEA OR DISCOMFORT. ASPIRATION MAY CAUSE LUNG DAMAGE.
Carcinogenicity	THIS PRODUCT DOES NOT CONTAIN ANY COMPONENT REPORTABLE AS A CARCINOGEN UNDER 29 CFR 1910.1200.
Medical Conditions Aggravated by Long Term Exposure	PRE-EXISTING SKIN AND RESPIRATORY CONDITIONS MAY BE AGGRAVATED BY EXPOSURE.
Chronic Effects	SEE ABOVE EFFECTS.

HMIS:



**Material Safety Data Sheet
HOCUT 795-NE**

3. Hazards Identification - continued

Health	1
Flammability	0
Reactivity	0

* indicates that there may be chronic health effects present

4. First Aid Measures

Inhalation	IF INHALED, REMOVE TO A SOURCE OF FRESH AIR.
Eye Contact	FLUSH EYES WITH WATER FOR 15 MINUTES. CONSULT PHYSICIAN.
Skin Contact	WASH SKIN WITH SOAP AND WATER. REMOVE CONTAMINATED CLOTHING AND LAUNDRER BEFORE REUSING. CONSULT PHYSICIAN IF IRRITATION PERSISTS.
Ingestion	IF INGESTED, DO NOT INDUCE VOMITING. CONSULT PHYSICIAN.
Note to Physicians	NO SPECIFIC ANTIDOTE KNOWN. BASED ON INDIVIDUAL REACTIONS OF THE PATIENT, THE PHYSICIAN'S JUDGMENT SHOULD BE USED TO CONTROL SYMPTOMS AND CLINICAL CONDITIONS.

N/A - Not Applicable

5. Fire Fighting Measures

Flash Point	N/A
Autoignition Temperature	N/D
LEL	N/D
UEL	N/D
Extinguishing Media	USE CARBON DIOXIDE, DRY CHEMICAL OR FOAM. USE WATER TO COOL CONTAINERS EXPOSED TO FIRE.
Unusual Fire or Explosion Hazards	NO UNUSUAL FIRE OR EXPLOSION HAZARDS.
Fire Fighting Instructions	WEAR PROTECTIVE GEAR DURING FIREFIGHTING.
NFPA:	
Health	1



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5. Fire Fighting Measures - continued

Flammability	0
Reactivity	0
Special	N/A

N/A - Not Applicable; ND - Not Determined; > - Greater Than; < - Less Than

6. Accidental Release Measures

Spill or Release Procedures APPLY DRY ABSORBENT MATERIAL AND SWEEP UP. FLUSH AREA WITH WATER AND MOP UP THOROUGHLY.

7. Handling and Storage

Handling Precautions USE WITH ADEQUATE VENTILATION. AVOID CONTACT WITH EYES, SKIN AND CLOTHING. WASH THOROUGHLY AFTER HANDLING. DO NOT ADD NITRITES TO THIS PRODUCT.

Storage Requirements STORE SEPARATELY FROM OXIDIZERS. KEEP CONTAINERS CLOSED WHEN NOT IN USE. STORE IN A COOL, DRY, WELL VENTILATED AREA. IF FROZEN OR EXPOSED TO EXTREME HIGH TEMPERATURES, BRING TO ROOM TEMPERATURE AND MIX THOROUGHLY BEFORE USING.

8. Exposure Controls/Personal Protection

Engineering Controls PROVIDE GENERAL AND/OR LOCAL EXHAUST VENTILATION TO MAINTAIN AIRBORNE CONCENTRATIONS BELOW THE EXPOSURE LIMITS IN SECTION 2.

Personal Protective Equipment

Eye/Face Protection WEAR SAFETY GOGGLES OR SAFETY GLASSES WITH SIDE SHIELDS.

Skin Protection WEAR GLOVES AND LONG SLEEVES TO MINIMIZE SKIN EXPOSURE. USE APRON OR OVERALLS IF SPLASHING IS EXPECTED.

Respiratory Protection USE AN APPROVED RESPIRATOR (SEE 29CFR1910.134) IF APPLICABLE EXPOSURE LIMITS ARE EXCEEDED.

Other EYE WASH AND SAFETY SHOWER RECOMMENDED.



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8. Exposure Controls/Personal Protection - continued

Comments

USE OF GLOVES AND OTHER SKIN PROTECTION DEPENDS ON THE DURATION OF EXPOSURE AND THE TASK BEING PERFORMED. IF NECESSARY, CHEMICALLY RESISTANT GLOVES SUCH AS NEOPRENE, NITRILE OR EQUIVALENT MATERIALS MAY BE USED.

Comments: Never eat, drink, or smoke in work areas. Practice good personal hygiene after using this material, especially before eating, drinking, smoking, or applying cosmetics.

9. Physical and Chemical Properties

Appearance	HAZY AMBER COLOR LIQUID	Water Solubility	EMULSIFIES
Odor	MILD AMINE ODOR	Boiling Point	215°F
Vapor Pressure (mmHg)	N/D	Freezing/ Melting Point	N/D
Vapor Density (Air = 1)	N/D	Evaporation Rate (BuAc = 1)	<1
Specific Gravity (Water = 1)	0.94		
pH (Neat)	10.4		
pH (Dilution)			
At Percent	5		
pH	9.7		

N/D - Not Determined; N/A - Not Applicable; > - Greater Than; < - Less Than

10. Stability and Reactivity

Stability	THIS PRODUCT IS STABLE AT ROOM TEMPERATURE IN CLOSED CONTAINERS UNDER NORMAL STORAGE AND HANDLING CONDITIONS.
Chemical Incompatibilities	STRONG OXIDIZERS
Hazardous Decomposition Products	THERMAL; OXIDES OF CARBON AND NITROGEN
Hazardous Polymerization	HAZARDOUS POLYMERIZATION WILL NOT OCCUR.



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11. Toxicological Information

NO DATA AVAILABLE

12. Ecological Information

NO DATA AVAILABLE

13. Disposal Considerations

Disposal FOLLOW PERTINENT REGULATIONS FOR DISPOSAL. IT IS THE RESPONSIBILITY OF THE PRODUCT USER TO DETERMINE, AT THE TIME OF DISPOSAL, WHETHER A MATERIAL CONTAINING THE PRODUCT OR DERIVED FROM THE PRODUCT SHOULD BE CLASSIFIED AS A HAZARDOUS WASTE. (40 CFR 261.20-24)

RCRA Hazardous Waste Number N/A

14. Transportation Information

Proper Shipping Name NOT HAZARDOUS UNDER DOT, AIR OR IMO REGULATIONS.

15. Regulatory Information

TSCA Section 8(b) ALL OF THE COMPONENTS IN THIS PRODUCT ARE ON THE TSCA INVENTORY.

CERCLA Reportable Quantity NONE

SARA Title III, Section 313 THIS PRODUCT CONTAINS NO TOXIC CHEMICAL 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.

Ozone Depleting Substances THIS PRODUCT WAS NOT MANUFACTURED, DOES NOT CONTAIN, AND WAS NOT PACKAGED USING ANY CLASS I OR CLASS II OZONE DEPLETING SUBSTANCE AS DEFINED BY THE CLEAN AIR ACT.

AUTOMATIC SPRINKLER OCCUPANCY RECORD

Address 14272 Commerce Job _____ Bldg. F

Type: Full () Partial Hazard: () Low () Average () High () Extra

Required by Ordinance: Yes () No Density .33/3000

Supervised: Yes () No Zoned by: () Floor () Building Address

Location of F.D.C. ON E/SIDE COMMERCE NORTH/WEST CORNER

Location of PI valves SAME

Hydrants: () Yard () On-site () Private

System installed by FIRE SPRINKLER INC. Telephone 956-5040

Contact _____

<u>Tests</u>	<u>Insp. Date</u>	<u>Tests</u>	<u>Insp. Date</u>
U.G. Hydro	<u>12/5/88 ef</u>	O.H. Hydro	<u>2/24/89 V.BD</u>
U.G. Flush	<u>3/28/89 ef</u>	Final	<u>4/13/89 ef</u>