



TDL - The Dry Lube

MSDS Number: TDL - aerosol

Revision Date: 03/18/09

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1 PRODUCT AND COMPANY IDENTIFICATION

Product Name: TDL - The Dry Lube
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Product Code: 16-TDL

Manufacturer: The Blaster Corporation
8500 Sweet Valley Drive
Valley View, Ohio 44125

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(216) 901-5801 fax
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24 Hour emergency contact: Chemtrec (800) 424-9300

2 COMPOSITION/INFORMATION ON INGREDIENTS

Hazardous Ingredients	CAS #	Percent	Exposure Limits
Polytetrafluoroethylene	9002-84-0	<5%	OSHA (PEL)- 5 mg/m ³ dust
Hexane(s)	110-54-3	>85%	OSHA (TWA)- 500 ppm 1800 mg/m ³ ACGIH (TWA)- 500 ppm
Carbon Dioxide	124-38-9	<3	OSHA (TWA)- 5000 ppm ACGIH (TWA)- 5000 ppm

3 HAZARDS IDENTIFICATION

Route of Entry: Eyes, skin, inhalation, ingestion

Target Organs:

Inhalation: Inhalation of spray mist likely to cause irritation to the respiratory tract. May cause headache, dizziness, nausea, vomiting or narcosis in confined or poorly ventilated areas.

Skin Contact: Repeated or prolonged contact with skin may cause mild irritation and possibly dermatitis.

Eye Contact: Likely to cause immediate or delayed irritation. Irritation will show as redness and/or swelling of the eyes.

Ingestion: Ingestion may cause irritation to the mouth, esophagus and stomach. May cause abdominal pain, vomiting, dizziness and headaches.

May aggravate a pre-existing skin and respiratory disorders.

Physical Hazard: Aerosol containers are pressurized (even when empty!) Do not expose to temperatures above 120° F. Do not puncture or burn can. Failure to observe these precautions may result in rapid and violent decompression of the container producing projectiles and atomization of the liquid contents.



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Notice: Reports have associated repeated and prolonged occupational overexposure to solvents with permanent brain and nervous system damage. Intentional misuse by deliberately concentrating and inhaling the contents may be harmful or fatal.

4 FIRST AID MEASURES

- Inhalation:** Remove to fresh air. If not breathing, give artificial respiration. If breathing is difficult, give oxygen. Continue to monitor. Get medical attention.
- Skin Contact:** Remove contaminated clothing immediately! Wash skin with soap and water. If irritation develops, seek medical attention.
- Eye Contact:** Flush eye(s) with water for 15 minutes. Get medical attention. If eye irritation persists, obtain medical treatment.
- Ingestion:** Aspiration hazard! Do not induce vomiting or give anything by mouth. This material can enter the lungs and cause lung damage. If victim is drowsy or unconscious and vomiting, place on the left side with head down. Do not leave victim unattended, observe closely for adequacy of breathing. Seek medical attention.

5 FIRE FIGHTING MEASURES

Flash point: -15°F ASTM D-56 (TCC)

Flammable Limits:

Lower Explosion Limit: 1.2%
Upper Explosion Limit: 7.7%

Autoignition Temperature: 437°F

Extinguishing Media: Dry chemical, carbon dioxide or foam is recommended. Water may be ineffective for extinguishment, but can be useful in minimizing or dispersing vapors, protecting personnel and cooling containers. If containers are not properly cooled they can rupture in the heat of a fire. Avoid spreading burning liquid with water used for cooling purposes.

Unusual Fire & Expulsion Hazards: Level 3 Aerosols - Contents Under Pressure! This material is extremely flammable and can be ignited by heat, sparks, flames, or other sources of ignition (e.g. static electricity, pilot lights, mechanical/electric equipment, and electronic equipment such as cell phones, computers, calculators which have not been certified as intrinsically safe.) Vapors may travel considerable distances to a source of ignition where the can ignite, flash back or explode. May create vapor/air explosion indoors, in confined spaces, outdoors or in sewers. Vapors are heavier than air and can accumulate in low areas.

6 ACCIDENTAL RELEASE MEASURES

Keep all sources of ignition and heat away from the spill or release area. Leaking aerosol cans should be put into suitable container until the internal pressure has dissipated. Use suitable absorbents to collect liquid product. Consult regulations for the disposal of the container, liquid and absorbents.



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7 HANDLING AND STORAGE

Handling Precautions: Use in accordance with good industrial workplace practices. Avoid unnecessary contact. Wash thoroughly after handling. Use with good ventilation.

Storage Requirements: Store in a dry place away from excessive heat. Store containers with lids on and properly labeled.

Do not store at temperatures above 120 degrees F.

8 EXPOSURE CONTROLS/PERSONAL PROTECTION

Engineering Controls: Eye wash stations and emergency showers should be immediately available.

Protective Equipment: Eyes and Face: Standard safety glasses with splash shields typically offer adequate protection. Where excessive splashing or spraying is possible, a face shield should be used. Do not wear contacts.

Skin and clothing: Excessive contact should be avoided. Nitrile gloves, boots and aprons will provide adequate protection when contact cannot be avoided. Remove and wash any contaminated clothing immediately. Wash thoroughly after handling.

Respiratory: Good general ventilation should be sufficient to control airborne levels. Maintain airborne concentrations below OSHA established exposure limits of ingredients in Section 2. Use NIOSH approved respirator if ventilation is not adequate enough to maintain levels below these limits.

Exposure Guidelines/Other: The Blaster Chemical Companies takes no responsibility for determining what measures are required for personal protection in any specific application. This information should be used with discretion.

9 PHYSICAL AND CHEMICAL PROPERTIES

Appearance:	milky white	Boiling Point:	145 - 157 F
Physical State:	liquid	Freezing/Melting Pt.:	Not Determined
Odor:	strong aromatic	Solubility:	Nil
pH:	Not Determined	Spec Grav./Density:	0.678 @ 60F
Vapor Pressure:	5.6 psi @ 110F		
Vapor Density:	~3 (air=1)		
Heat Value:	Not Determined		
VOC:	Not Determined		
Evap. Rate:	8.10 (nBuAc=1)		
Bulk Density:	Not Determined		
Octanol:	Not Determined		
Molecular Weight:	Not Determined		
Particle Size:	Not Applicable		
Softening Point:	Not Applicable		
Viscosity:	Not Determined		
Percent Volatile:	Not Determined		
Sat. Vap. Concentrat.:	Not Determined		
Molecular Formula:	Not Determined		



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10 STABILITY AND REACTIVITY

Stability:	This product is stable.
Conditions to avoid:	Avoid excessive heat, sources of ignition and excessive water.
Materials to avoid (incompatibility):	Avoid contact with strong oxidizing agents and strong reducing agents (strong acids or bases.) Avoid mixture with water.
Hazardous Decomposition products:	Combustion will product carbon monoxide, carbon dioxide and other oxides.
Hazardous Polymerization:	Will not occur.

11 TOXICOLOGICAL INFORMATION

Chronic Data:

Target Organs: Excessive exposure to hexane can result in peripheral neuropathies. The initial symptoms are symmetrical sensory numbness and paresthesias of distal portions of the extremities. Motor weakness is typically observed in muscles of the toes and fingers, but may also involve muscles of the arms, thighs and forearms. The onset of these symptoms may be delayed for several months to a year after the beginning of exposure. The neurotoxin properties of hexane are potentiated by exposure to methyl ethyl ketone and methyl isobutyl ketone.

Reproductive: Prolonged exposure to high concentrations of hexane (>1000ppm) has resulted in decreased sperm count and degenerative changes to the testes of rats, but not those of mice.

Acute Data:

Hexane:

Oral LD50:	25,000 g/kg (rat)
Dermal LD50:	>2,000 mg/kg (rabbit)
Inhalation LC50	>3,367 ppm (4hr. rat)

12 ECOLOGICAL INFORMATION

Not evaluated.

13 DISPOSAL CONSIDERATIONS

Used or unused product should be disposed of in accordance with local, state and federal regulations. Some special regulations may exist for the disposal of aerosol containers.

Empty containers may contain residual pressure and contents. They should be handled with the same precautions as the product.

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14 TRANSPORT INFORMATION

Dept. of Transportation (DOT):

This product, as it leaves Blaster's facilities, meets the definitions set forth in CFR 49 part 173.150c as a "consumer commodity." Allowing for certain exceptions (173.156) for domestic surface (ground) shipments.

Proper shipping name: Consumer Commodity
Hazard class: ORM-D

International (IMDT-IATA):

Proper shipping name: Aerosols, Limited Quantities
Hazard class: 2 Flammable Compressed Gas
UN Number: 1950

15 REGULATORY INFORMATION

The following is a selected list of regulatory requirements. Not all such requirements are identified. Users of this product are solely responsible for compliance with all applicable federal, state and local regulations.

CERCLA/SARA

Section 302:

This product does not contain any chemicals subject to the reporting requirements of SARA 302.

Section 311/312:

Acute Health: Yes
Chronic Health: Yes
Fire Hazard: Yes
Pressure Hazard: Yes
Reactive Hazard: No

Section 313:

This product contains the following chemicals subject to the reporting requirements of section 313: Hexane >85%

California Proposition 65

This product does not contain any chemicals which are known to the State of California to cause cancer, birth defects or other reproductive harm.



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OTHER INFORMATION

Manufacturer's Disclaimer:

To the best of our knowledge, the information contained herein is accurate. However, neither The Blaster Chemical Companies 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 which exists.

HMSIS Ratings

Health:	2
Fire:	3
Reactivity	0

END OF MSDS DOCUMENT