

MSDS Material Safety Data Sheet

The Blaster Chemical Companies, Inc.



TDL - The Dry Lube

MSDS Number: TDL - aerosol

Revision Date: 2/27/06

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1 PRODUCT AND COMPANY IDENTIFICATION

Product Name: TDL - The Dry Lube
Revision Date: 2/27/06
MSDS Number: TDL - aerosol
Product Code: 16-TDL

Manufacturer: The Blaster Chemical Companies, Inc.
8500 Sweet Valley Drive
Valley View, Ohio 44125

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2 COMPOSITION/INFORMATION ON INGREDIENTS

Ingredients:

Cas #	Chemical Name	Perc.
110543	n-Hexane	>70%
9002840	Polytetrafluoroethylene	<10%
124389	Carbon dioxide (propellant)	<3%

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.

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.



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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:** If conscious, immediately give the person two large glasses of water. Do not induce vomiting. Get medical attention immediately.

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.

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.

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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

Toxicological information on this product as a mixture has not been determined. See Section 15 for reportable ingredients.

12 ECOLOGICAL INFORMATION

Ecological information on this product as a mixture has not been determined.

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.

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

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REGULATORY INFORMATION

COMPONENT / (CAS/PERC) / CODES

*n-Hexane (110543 >70%) CERCLA, HAP, MASS, OSHAWAC, PA, SARA313, TXAIR

*Polytetrafluoroethylene (9002840 <10%) PA

*Carbon dioxide (propellant) (124389 <3%) MASS, OSHAWAC, PA, TXAIR

REGULATORY KEY DESCRIPTIONS

CERCLA = Superfund clean up substance

HAP = Hazardous Air Pollutants

MASS = MA Massachusetts Hazardous Substances List

OSHA = OSHA Workplace Air Contaminants

PA = PA Right-To-Know List of Hazardous Substances

SARA313 = SARA 313 Title III Toxic Chemicals

TXAIR = TX Air Contaminants with Health Effects Screening Level

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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.

HMIS Ratings

Health:	2
Fire:	3
Reactivity	0

END OF MSDS DOCUMENT