

# Material Safety Data Sheet

The information presented in these forms is believed to be correct and sufficient to meet the requirements of OSHA Hazard Communication standard (29 CFR 1910.1200) concerning worker's right to know. This MSDS covers the following Tadco aerosol product.

PRODUCT NAME: **Dri-Lube DL-1000**

PRODUCT USE: Lube

PRODUCT CODES: **Dri-Lube DL-1000**

## SECTION I - MANUFACTURER IDENTIFICATION

MANUFACTURER'S NAME: Tadco, Inc

ADDRESS: Box 1000, Cle Elum, WA 98922

INFORMATION PHONE: **509-674-0990**

EMERGENCY PHONE: 1-800-424-9300

DATE REVISED: May 30, 2012 REASON REVISED: Updated

## SECTION II - HAZARDOUS INGREDIENTS / SARA III INFORMATION

### OCCUPATIONAL EXPOSURE LIMITS

Chemical Name	Weight%	CAS Number	PEL	TLV	STEL
1, 1-Difluoroethane					
Propellant	30 - 60	75-37-6	N/AV	N/AV	N/AV
Dimethyl Ether	15 - 40	115-10-6	N/AV	N/AV	N/AV
Heptanes	7 - 13	142-82-5	500ppm	400ppm	500ppm
Isopropanol	1 - 5	67-63-0	400ppm	400ppm	500ppm

NOTE: N / AP = Not Applicable N / AV = Not Available

## SECTION III – HAZARD IDENTIFICATION

**Overview: Flammable, Avoid contact with skin and eyes, Avoid breathing in deep vapors. Opaque liquid / solvent based odors.**

Inhalation health risks and symptoms of exposure: Respiratory tract irritant. May cause dizziness, light headedness, and/or headaches.

Skin and eye contact health risks and symptoms of exposure: Skin: Prolonged or repeated contact may cause irritation and dermatitis.

Eyes: Painful with slight to moderate irritation.

Skin absorption health risks and symptoms of exposure: Not likely to be absorbed in toxic amounts under normal use.

Ingestion health risks and symptoms of exposure: May cause irritation of mouth and G. I. tract.

Health hazards (acute and chronic): Inhalation: Anesthetic. Irritation of the respiratory tract, or nervous system depression - characterized by headache, dizziness, nausea, or possible unconsciousness.

Skin or eye contact: Primary irritation. Prolonged or repeated contact to skin may cause dermatitis - exercise due care.

Carcinogenicity: NTP? No IARC monographs? No OSHA regulated? No

The ingredients are not listed as a human carcinogen by ACGIH, NPT, or OSHA

Teratogenicity: N/A

Mutagenicity: N/A

Toxicologically synergistic products: N/A

Medical conditions generally aggravated by exposure: Not known.

## SECTION IV – FIRST AID MEASURES

Emergency and first aid procedures: Vapors: Remove from exposure; seek medical attention if signs/symptoms persist. [Skin] Wash affected area with soap and water, remove contaminated clothing, seek medical attention if irritation persists. [Eyes] Flush immediately with water for 15 minutes and take to a physician. [Ingestion] Do not induce vomiting, drink plenty of water, seek medical attention.

## SECTION V – FIRE FIGHTING MEASURES

Flash point: < 0°F Method used: Estimated  
Flammable limits in air by volume: LOWER: 1.1% UPPER: 18 %  
Extinguishing media: Foam, alcohol foam, CO<sub>2</sub>, dry chemical, water fog  
Special firefighting procedures: Use water spray to cool containers exposed to heat or fire to prevent pressure build up. Self-contained breathing apparatus should be used if product is involved in a fire.  
Unusual fire and explosion hazards: Closed containers may rupture due to build up of pressure from extreme heat or fire.  
Flammability - T. D. G. R. class: Consumer Commodity ORM-D [UN1950 Class 2]  
Sensitivity to impact: Do not puncture  
Sensitivity to static discharge: N/A

#### **SECTION VI - ACCIDENTAL RELEASE MEASURE**

Steps to be taken in case material is released or spilled: Remove all sources of ignition. Ventilate area. Prevent from entering a watercourse. Use an inert absorbent material and non sparking type tools.

#### **SECTION VII – HANDLING AND STORAGE**

Waste disposal method: Dispose of in accordance with local, state, and federal regulations. Do not incinerate closed containers.  
Precautions to be taken in handling and storing: Do not store above 120 deg. F. Do not store or use near heat, sparks, or flame.  
Other precautions: Do not get in eyes or skin. Do not breathe vapors, take internally, or smoke while using this product.

#### **SECTION VIII – EXPOSURE CONTROLS / PERSONAL PROTECTION**

Respiratory protection: In restricted areas with poor ventilation use a NIOSH approved respirator. For concentrations above the TLV, use a positive air supplied respirator.  
Ventilation: General ventilation to maintain exposure limits below TLVs as defined in Section 11.  
Protective gloves: Chemical resistant gloves such as neoprene or nitrile rubber.  
Eye protection: Safety glasses or goggles.  
Other protective clothing or equipment: Chemical resistant apron as necessary to prevent skin contact.  
Work / hygienic practices: Avoid prolonged or repeated contact. Do not breathe vapors. Wash contaminated clothing prior to re-use.

#### **SECTION IX – PHYSICAL AND CHEMICAL PROPERTIES**

Boiling point: N/AP Specific gravity (H<sub>2</sub>O=1): 0.8  
Vapor density: Heavier than air  
Evaporation rate: Faster than n-Butyl Acetate  
Solubility in water: Slight  
Appearance and odor: Clear with ether odor  
Freezing point: N/A pH: N/A  
Coefficient of water / oil dist.: N/A Odor threshold: N/A

#### **SECTION X – STABILITY AND REACTIVITY**

Stability: Stable  
Conditions to avoid: Open flames, sparks, or electrical arcs.  
Incompatibility (materials to avoid): Strong oxidizing agents  
Hazardous decomposition or byproducts: CO, CO<sub>2</sub>, & various hydrocarbons  
Hazardous polymerization: Will not occur

#### **SECTION XI- TOXICOLOGICAL PROPERTIES.**

Hazardous Components	LD50 Species & Route	LC50 Species & Route
1, 1-Difluoroethane Propellant	> 1500 mg / kg Rat (Oral)	383,000ppm / 4 hr Rat (Inha.)
Dimethyl Ether	N / AV	164,000 ppm / 4 hr (Rat-Inha)
Heptanes	N / AV	N / AV
Isopropanol	4700 mg / kg (Rat-Oral)	16000 ppm / 4 hr (Rat-Inha)

**Irritancy:** Skin, eyes, and respiratory tract.      **Sensitization:** N / AV

**Reproductive Toxicity:** N / AV

**Carcinogenicity:** The ingredients are not listed as a human carcinogen by IARC, ACGIH, NTP, or OSHA.

**Teratogenicity:** N / AV **Mutagenicity:** N / AV

**Synergistic Products:** N / AV

## **SECTION XII- ECOLOGICAL INFORMATION**

No data available

## **SECTION XIII – DISPOSAL CONSIDERATION**

Dispose of in accordance with local, state/provincial or territorial, and federal regulations. Do not incinerate closed containers.

## **SECTION XIV- TRANSPORTION**

### **US Ground (DOT)**

May be classed as Consumer Commodity, ORM-D  
UN1950, AEROSOLS, 2.1, LIMITED QUANTITY, (ERG#126)

### **IMO**

May be shipped as Limited Quantity  
UN1950, AEROSOLS, CLASS 2.1, LIMITED QUANTITY, EmS F-D, S-U, ADR (D)

### **Canada (TDG)**

May be classed as Consumer Commodity, ORM-D  
UN1950, AEROSOLS, CLASS 2.1, LIMITED QUANTITY, (ERG#126)

## **SECTION XV- REGULATORY INFORMATION**

### **CALIFORNIA PROPOSITION 65**

WARNING: This product contains chemicals known to the State of California to cause cancer and birth defects or other reproductive harm.

### **TSCA CERTIFICATION**

All chemicals in this product are listed, or are exempt from listing, on the TSCA Inventory.

## **SECTION XVI- OTHER INFORMATION**

**Prepared by:** Technical Department   **Telephone Number:** 509-674-0990   **Preparation Date:** 11-23-11  
THE INFORMATION CONTAINED HEREIN IS BELIEVED TO BE ACCURATE BUT IS NOT  
WARRANTED TO BE SO. NOTHING CONTAINED HEREIN CONSTITUTES A SPECIFICATION NOR  
IS IT INTENDED TO WARRANT SUITABILITY FOR THE INTENDED USE.