

# MATERIAL SAFETY DATA SHEET

NAME OF PRODUCT

MSDS DATE:10/02/06

## SECTION 1: PRODUCT AND COMPANY IDENTIFICATION

PRODUCT NAME: PTFE Dry Lube  
SYNONYMS:  
PRODUCT CODES: A173

MANUFACTURER: Chemax Corporation  
DIVISION:  
ADDRESS: PO BOX 7453  
Beaumont, TX 77726

EMERGENCY PHONE: 409/866-4232  
CHEMTREC PHONE: 1-800-255-3924  
OTHER CALLS: 409/866-4232  
FAX PHONE: 409-866-4424

CHEMICAL NAME: mixture  
CHEMICAL FAMILY:  
CHEMICAL FORMULA:

PRODUCT USE:  
PREPARED BY: Bruce Riffel

SECTION 1 NOTES:

## SECTION 2: COMPOSITION/INFORMATION ON INGREDIENTS

### INGREDIENT:

<u>Name</u>	<u>CAS NO.</u>	<u>PEL</u>	<u>TLV</u>	<u>% WT</u>	<u>SARA 313 REPORTABLE</u>
ISOPARAFINIC HYDROCARBON	64742-47-8	400 PPM	400 PPM		
ISOPROPYL ALCOHOL	67-63-0	400 PPM	400 PPM		
PROPANE/N-BUTANE	68476-86-8	1000 PPM	600 PPM		

SECTION 2 NOTES:

## SECTION 3: HAZARDS IDENTIFICATION

EMERGENCY OVERVIEW: Aerosol under pressure do not expose to high temperatures or store in direct sunlight. Pressure can cause splashing of chemical.

ROUTES OF ENTRY: Skin, Eyes, Ingestion, Inhalation

### POTENTIAL HEALTH EFFECTS

EYES: Irritation likely

SKIN: Mild irritation likely, may cause localized defatting.

INGESTION: Gastric discomfort

INHALATION: DIZZINESS. PROLONGED EXPOSURE MAY LEAD TO UNCONSCIOUSNESS

ACUTE HEALTH HAZARDS:

CHRONIC HEALTH HAZARDS: None known

MEDICAL CONDITIONS GENERALLY AGGRAVATED BY EXPOSURE: None known

### CARCINOGENICITY

OSHA: No      ACGIH: No      NTP: No      IARC: No  
OTHER:

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SECTION 3 NOTES:

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## SECTION 4: FIRST AID MEASURES

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**EYES:** Flush with water for 15 minutes. Contact physician if irritation persist

**SKIN:** Wash with soap and water for 15 minutes. If irritation develops seek medical attention.

**INGESTION:** Give person 2 glasses water if conscious and alert. Contact physician, do not induce vomiting unless directed by medical authority.

**INHALATION:** Move to fresh air. If not breathing administer artificial respiration.

**NOTES TO PHYSICIANS OR FIRST AID PROVIDERS:**

SECTION 4 NOTES:

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## SECTION 5: FIRE-FIGHTING MEASURES

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**FLAMMABLE LIMITS IN AIR, UPPER:** N/A  
**(% BY VOLUME) LOWER:** N/A

**FLASH POINT:**

F: 45

C:

**METHOD USED:** TCC

**AUTOIGNITION TEMPERATURE:** N/A

F:

C:

**NFPA HAZARD CLASSIFICATION**

**HEALTH:** 1                      **FLAMMABILITY:** 3                      **REACTIVITY:** 1  
**OTHER:**

**HMIS HAZARD CLASSIFICATION**

**HEALTH:** 1                      **FLAMMABILITY:** 3                      **REACTIVITY:** 1  
**PROTECTION:** A

**EXTINGUISHING MEDIA:** ABC Dry chemical fire extinguisher

**SPECIAL FIRE FIGHTING PROCEDURES:** Wear SCBA in fire situations

**UNUSUAL FIRE AND EXPLOSION HAZARDS:** Contents under pressure exposure to high temperatures above 120F can cause bursting.

**HAZARDOUS DECOMPOSITION PRODUCTS:** oxides of carbon

SECTION 5 NOTES:

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## SECTION 6: ACCIDENTAL RELEASE MEASURES

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**ACCIDENTAL RELEASE MEASURES:** Use absorbent on spill sweep to clean. Dispose in accordance with local, state and federal laws. Small releases may be wiped up with wiping material. For large spills (greater than one gallon) disconnect power sources.

SECTION 6 NOTES:

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## SECTION 7: HANDLING AND STORAGE

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HANDLING AND STORAGE: DO NOT USE OR STORE  
NEAR HEAT OR OPEN FLAME. EXPOSURE TO TEMPERATURES ABOVE 120 F MAY CAUSE  
BURSTING.

OTHER PRECAUTIONS:

SECTION 7 NOTES:

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## SECTION 8: EXPOSURE CONTROLS/PERSONAL PROTECTION

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ENGINEERING CONTROLS:

VENTILATION : Normal, forced ventilation should not be required

RESPIRATORY PROTECTION: If exposure levels are exceeded then organic vapor cartridge respirator or SCBA will be needed.

EYE PROTECTION: safety glasses

SKIN PROTECTION: Impervious gloves such as neoprene can be used

OTHER PROTECTIVE CLOTHING OR EQUIPMENT:

WORK HYGIENIC PRACTICES: wash hands after use

EXPOSURE GUIDELINES:

SECTION 8 NOTES:

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## SECTION 9: PHYSICAL AND CHEMICAL PROPERTIES

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APPEARANCE: Clear

ODOR: Isopropanol odor

PHYSICAL STATE: liquid

pH AS SUPPLIED: N/A

pH (Other):

BOILING POINT:

F: 245

C:

MELTING POINT:

F: not tested

C:

FREEZING POINT:

F: not tested

C:

VAPOR PRESSURE (mmHg):

16 @

F: 77

C:

VAPOR DENSITY (AIR = 1):

1 @

F: 77

C:

SPECIFIC GRAVITY (H<sub>2</sub>O = 1):

.72 @

F: 77

C:

EVAPORATION RATE: 1.9

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BASIS (Butyl Acetate =1):

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## SECTION 9: PHYSICAL AND CHEMICAL PROPERTIES (con't)

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SOLUBILITY IN WATER: 0%

PERCENT SOLIDS BY WEIGHT: not tested

PERCENT VOLATILE: Not tested  
BY WT/ BY VOL @

F:

C:

VOLATILE ORGANIC COMPOUNDS (VOC):

WITH WATER:	LBS/GAL
WITHOUT WATER:	LBS/GAL

MOLECULAR WEIGHT: mixture n/a  
VISCOSITY:

@

F:

C:

SECTION 9 NOTES:

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## SECTION 10: STABILITY AND REACTIVITY

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STABLE

UNSTABLE

STABILITY:

CONDITIONS TO AVOID (STABILITY): temperatures above 120F

INCOMPATIBILITY (MATERIAL TO AVOID): Strong oxidizers

HAZARDOUS DECOMPOSITION OR BY-PRODUCTS: oxides of carbon

HAZARDOUS POLYMERIZATION: none

CONDITIONS TO AVOID (POLYMERIZATION):

SECTION 10 NOTES:

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## SECTION 11: TOXICOLOGICAL INFORMATION

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TOXICOLOGICAL INFORMATION:

SECTION 11 NOTES:

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## SECTION 12: ECOLOGICAL INFORMATION

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ECOLOGICAL INFORMATION:

Contains oil do not let residue come in contact with waterways in the United States

SECTION 12 NOTES:

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## SECTION 13: DISPOSAL CONSIDERATIONS

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WASTE DISPOSAL METHOD: Dispose of in accordance with local, State and Federal regulations

RCRA HAZARD CLASS: Considered Non-hazrdous under RCRA, however procdut should be fully characterized prior to disposal (40 CFR 261).

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## SECTION 13: DISPOSAL CONSIDERATIONS (con't)

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SECTION 13 NOTES:

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## SECTION 14: TRANSPORT INFORMATION

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### U.S. DEPARTMENT OF TRANSPORTATION

PROPER SHIPPING NAME: ORM-D

HAZARD CLASS:

ID NUMBER:

PACKING GROUP:

LABEL STATEMENT:

### WATER TRANSPORTATION

PROPER SHIPPING NAME: Call manufacturer

HAZARD CLASS:

ID NUMBER:

PACKING GROUP:

LABEL STATEMENTS:

Aerosol Flammable

UNID# 1950

Class 2.1

No Packing Group

### AIR TRANSPORTATION

Call manufacturer

PROPER SHIPPING NAME:

HAZARD CLASS:

ID NUMBER:

PACKING GROUP:

LABEL STATEMENTS:

OTHER AGENCIES:

SECTION 14 NOTES:

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## SECTION 15: REGULATORY INFORMATION

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### U.S. FEDERAL REGULATIONS

TSCA (TOXIC SUBSTANCE CONTROL ACT): All Chemcials are listed

CERCLA (COMPREHENSIVE RESPONSE COMPENSATION, AND LIABILITY ACT): none

SARA TITLE III (SUPERFUND AMENDMENTS AND REAUTHORIZATION ACT): none

311/312 HAZARD CATEGORIES: none

313 REPORTABLE INGREDIENTS: none

STATE REGULATIONS:

INTERNATIONAL REGULATIONS:

SECTION 15 NOTES:

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## SECTION 16: OTHER INFORMATION

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OTHER INFORMATION: