

DRILUBE CO -- DRILUBE #2

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MSDS Safety Information
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FSC: 9150
NIIN: 00-985-7255
MSDS Date: 03/15/1999
MSDS Num: CKVTR
Product ID: DRILUBE #2
MFN: 01
Responsible Party
Cage: 06186
Name: DRILUBE CO
Address: 711 W BROADWAY
City: GLENDALE CA 91204-1009
Info Phone Number: 81
8-240-8144
Emergency Phone Number: 21-245-1804

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Item Description Information
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Item Manager: S9G
Item Name: LUBRICANT,SOLID FILM
Specification Number: MIL-L-46010
Type/Grade/Class: TYPE I
Unit of Issue: GL
UI Container Qty: 1
Type of Container: METAL

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Ingredients
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Name: *** PROP
RIETARY ***

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Health Hazards Data
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LD50 LC50 Mixture: NO DATA PROVIDED FOR PRODUCT AS WHOLE
Effects of Exposure: MOLYBDENUM COMPOUNDS MAY BE IRRITATING. INORGANIC ANTIMONY
COMPOUNDS MAY CAUSE IRRITATION (ANTIMONY MEASELS) ON SKIN CONTACT. INORGANIC
LEAD MAY CAUSE LEAD POISONING WITH NEUROLOGICAL/NEUROMUSCULAR, K IDNEY AND
OTHER SYSTEMIC EFFECTS. POLYM

ER FROM POLYVINYL ALCOHOL AND FORMALDEHYDE AS A COPOLYMER WITH POLYVINYL ACETATE MAY CAUSE EYE IRRITATION ON CONTACT. BISPHENOL BASED RESINS MAY CAUSE CNS EFFECTS AND RESPIRATORY IRRITATION; MAY BE TOXIC IF SKIN ABSORBED, MAY CAUSE SKIN IRRITATION/SENSITIZATION. THE SOLVENTS MAY CAUSE CNS DEPRESSION AND SKIN, EYE, RESPIRATORY IRRITATION. Explanation Of Carcinogenicity: CAS# 107-06-2 SOLVENT (ETHYLENE CHLORIDE) IS A PROBABLE HUMAN CANCER HAZARD BASED ON TESTS WITH LABORATORY ANIMALS. I

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BEEN IDENTIFIED AS A POSSIBLE CARCINOGEN BY IARC AND NTP.

Signs And Symptoms Of Overexposure: IRRITATION (MOLYBDENUM); RED/PIMPLY SKIN ERUPTION (ANTIMONY); TIREDNESS, DECREASED APPETITE, METALLIC TASTE, STOMACH CRAMPS WITH COLIC, KIDNEY DYSFUNCTION, NERVOUS DYSFUNCTION, ANEMIA, ENCEPHALOPATHY, PERIODIC STOMACH CRAMPS & CONSTIPATION (LEAD); EYE IRRITATION (POLYVINYL ALCOHOL COPOLYMER/POLYACETATE COPOLYMER); EYE IRRITATION, HEADACHES, NAUSEA, DIZZINESS, RESPIRATORY IRRITATION (SOLVENTS);

SOLVENT (CAS# 67-56-1) CNS DEPRESSION, CARDIAC DEPRESSION, RESPIRATORY IRRITATION, BLURRED VISION, PHOTOPHOBIA, CONJUNCTIVITIS, EYE LESIONS, INTOXICATION.

Medical Cond Aggravated By Exposure: SOLVENT (CAS# 107-06-2) MAY AGGRAVATE LIVER &/OR KIDNEY DISORDERS.

First Aid: NO DATA PROVIDED BY MANUFACTURER. DLA-: INHALED: REMOVE TO FRESH AIR. RESTORE BREATHING AS REQUIRED. GET MEDICAL ATTENTION. INGESTED: CALL PHYSICIAN OR POISON CONTROL CENTER IMMEDIATELY. INDUCE VO M

ITING UNDER

GUIDANCE OF PHYSICIAN. NOTHING BY MOUTH IF UNCONSCIOUS OR CONVULSING. SKIN: WASH WITH SOAP & WATER. GET MEDICAL ATTENTION IF IRRITATION DEVELOPS OR PERSISTS. EYES: FLUSH WITH WATER FOR AT LEAST 15 MINUTES. GET MEDICAL ATTENTION.

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Handling and Disposal
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Spill Release Procedures: EVACUATE THE AREA, VENTILATE, AND AVOID BREATHING VAPORS. DIKE AREA TO CONTAIN SPILL
. CLEAN UP AREA (WEAR PROTECTIVE EQUIPMENT)
BY MOPPING OR WITH ABSORBENT MATERIAL AND PLACE IN CLOSED CONTAINERS FOR DISPOSAL. AVOID CONTAMINATION OF GROUND AND SURFACE WATERS. DO NOT FLUSH TO SEWERS.

Neutralizing Agent: NO DATA PROVIDED BY MANUFACTURER.

Waste Disposal Methods: RECOVERED LIQUIDS MAY BE SENT TO A LICENSED RECLAIMER OR INCINERATION FACILITY. CONTAMINATED MATERIAL MUST BE DISPOSED OF IN A PERMITTED HAZARDOUS WASTE MANAGEMENT FACILITY. CONSULT FEDERAL, STATE OR LOCAL D

DISPOSAL AUTHORIZED FOR APPROVED PROCEDURES.

Handling And Storage Precautions: KEEP LIQUID & VAPOR AWAY FROM HEAT, SPARKS & FLAME. SURFACES THAT ARE SUFFICIENTLY HOT MAY IGNITE EVEN LIQUID PRODUCT IN THE ABSENCE OF SPARKS OR FLAME. EXTINGUISH PILOT LIGHT, CIGARETTES & TURN OFF OTHER SOURCES OF IGNITION PRIOR TO USE AND UNTIL ALL VAPORS ARE GONE.

Other Precautions: VAPORS MAY ACCUMULATE AND TRAVEL TO IGNITION SOURCES DISTANT FROM THE HANDLING SITE: FLASH-FIRE CAN RESULT. KEEP CONTAINERS CLOSED WHEN NOT IN USE. USE WITH ADEQUATE VENTILATION.

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Fire and Explosion Hazard Information
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Flash Point Method: TCC

Flash Point: =18.3C, 65.F

Lower Limits: 0.50

Upper Limits: 7.0

Extinguishing Media: CO2, FOAM, DRY CHEMICAL.

Fire Fighting Procedures: NONE REQUIRED.

Unusual Fire/Explosion Hazard: SEE REACTIVITY SECTION.

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Control Measures
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Respiratory Protection: AVOID BREATHING DUST. USE NIOSH/MSHA APPROVED RESPIRATORY PROTECTION EQUIPMENT WHEN AIRBORNE EXPOSURE IS EXCESSIVE. CONSULT

RESPIRATOR MANUFACTURER TO DETERMINE THE APPROPRIATE TYPE OF EQUIPMENT FOR GIVEN APPLICATION. OBSERVE RESPIRATOR USE LIMITATIONS SPECIFIED BY NIOSH/MSHA OR THE MANUFACTURER.

Ventilation: PROVIDE NATURAL OR MECHANICAL VENTILATION TO MINIMIZE EXPOSURE. IF PRACTIC

AL, USE LOCAL MECHANICAL EXHAUST VENTILATION AT SOURCE SUCH AS OPEN PROCESS EQUIPMENT.

Protective Gloves: RUBBER

Eye Protection: SAFETY GOGGLES

Other Protective Equipment: NO DATA PROVIDED BY MANUFACTURER. DLA-: EYE WASH STATION AND DELUGE SHOWER.

Work Hygienic Practices: WASH WITH SOAP AND WATER BEFORE EATING, DRINKING, SMOKING OR USING TOILET FACILITIES. LAUNDRY CONTAMINATED CLOTHING BEFORE REUSE.

Supplemental Safety and Health: NO DATA PROVIDED BY MANUFACTURER
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Physical/Chemical Properties
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HCC: F2
B.P. Text: 160-188F
Vapor Pres: 2.715
Vapor Density: 64.5
Spec Gravity: 1.22
VOC Grams/Liter: 823
Evaporation Rate & Reference: 8.55 (N-BUTYL ACETATE=1)
Solubility in Water: SLIGHT
Appearance and Odor: GRAY TO BLACK, MILD ODOR.
Percent Volatiles by Volume: 91.0
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Reactivity Data
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Stability Indicator: YES
Stability Condition To Avoid: THIS PRODUCT IS STABLE.
Materials To Avoid: EXCESSIVE HEAT, SPARKS, OPEN FLAME, FIRE.
Hazardous Decomposition Products: HYDROGEN CHLORIDE AND POSSIBLE PHOSGENE
Hazardous Polymerization Indicator: NO
Conditions To Avoid Polymerization: WILL NOT OCCUR.
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Toxicological Information
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Toxicological Information: REPORTS
HAVE ASSOCIATED REPEATED AND PROLONGED
OCCUPATIONAL OVEREXPOSURE TO SOLVENTS WITH PERMANENT BRAIN AND NERVOUS
SYSTEM
DAMAGE SOMETIMES REFERRED TO AS SOLVENT OR PAINTER'S SYNDROME. INTENTIONAL
MISUSE BY DELIBERATELY CONCENTRATING AND INHALAING THIS PRODUCT MAY BE
HARMFUL OR FATAL.
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Ecological Information
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Ecological: NO DATA PROVIDED BY MANUFACTURER
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MSDS Transport Information
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Transport Information: NO DATA PROVIDED BY MANUFACTURER
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Regulatory Information
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Sara Title III Information: THIS PRODUCT CONTAINS THE FOLLOWING CHEMICALS
SUBJECT TO THE REPORTING REQUIREMENTS OF SARA 313 AND 40 CFR 372: CAS #
67-56-1 SOLVENT, 1.7-2.2 %; CAS # 78-93-3 SOLV

ENT, 15.1-15.3%; CAS # 107-06-2

SOLV ENT, 40-42%; CAS # 108-10-1 SOLVENT, 0.09-0.3%; INORGANIC LEAD COMPOUND
(CAS # 12141-20-7), <7%.

Federal Regulatory Information: NO DATA PROVIDED BY MANUFACTURER

State Regulatory Information: NO DATA PROVIDED BY MANUFACTURER

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Other Information

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Other Information: NPCA- RATING: HEALTH-2, FLAMMABILITY-3, REACTIVITY-0.
SPECICAL NOTICE-(NO DATA)

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Transportation Information

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Responsible Party Cage: 06186

Trans ID NO: 155271

Product ID: DRILUBE #2

MSDS Prepared Date: 03/15/1999

Review Date: 11/06/2000

MFN: 1

Tech Entry NOS Shipping Nm: METHYL ETHYL KETONE, ETHANOL

Net Unit Weight: 10 LBS

Multiple KIT Number: 0

Unit Of Issue: GL

Container QTY: 1

Type Of Container: METAL

Additional Data: PROPER SHIPPING NAME IS BEST GUESS BY DLA-
STAFF.

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Detail DOT Information

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DOT PSN Code: GJJ

Symbols: G

DOT Proper Shipping Name: FLAMMABLE LIQUIDS, N.O.S.

Hazard Class: 3

UN ID Num: UN1993

DOT Packaging Group: II

Label: FLAMMABLE LIQUID

Special Provision: T8,T31

Non Bulk Pack: 202

Bulk Pack: 242

Max Qty Pass: 5L

Max Qty Cargo: 60 L

Vessel Stow Req: B

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Detail IMO Informatio

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IMO PSN Code: HIM
IMO Proper Shipping Name: FLAMMABLE LIQUID, N.O.S. o
IMDG Page Number: 3126
UN Number: 1993
UN Hazard Class: 3.1
IMO Packaging Group: I/II
Subsidiary Risk Label: -
EMS Number: 3-07
MED First Aid Guide NUM: T

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Detail IATA Information

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IATA PSN BV
IATA UN ID Num: 1993
IATA Proper Shipping Name: FLAMMABLE LIQUID,
N.O.S. *
IATA UN Class: 3
IATA Label: FLAMMABLE LIQUID
UN Packing Group: II
Packing Note Passenger: 305
Max Quant Pass: 5L
Max Quant Cargo: 60L
Packaging Note Cargo: 307

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Detail AFI Information

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AFI PSN BV
AFI Symbols: *
AFI Proper Shipping Name: FLAMMABLE LIQUIDS, N.O.S.
AFI Hazard Class: 3
AFI UN ID NUM: UN1993
AFI Packing Group: II
Special Provisions: P5
Back Pack Reference: A7.3

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HAZCOM Label

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Product ID: DRILUBE #2
Cage: 06186
Company Name: DRILUBE CO
Street: 711 W BROADWAY
City: GLENDALE CA
Zipcode: 91204-1009
Health Emergency Phone: 21-245-1804
Label Required IND: Y
Date Of Label Review: 11/06/2000
Status Code: A
Year Procured: 2001
Origination Code: F
Chronic Hazard IND: Y
Eye Protection IND: YES
Skin Protection IND: YES
Signal Word: DANGER
Respiratory Protect

ion IND: YES

Health Hazard: Moderate

Contact Hazard: Slight

Fire Hazard: Severe

Reactivity Hazard: None

Hazard And Precautions: FLAMMABLE! MAY BE HARMFUL IF INHALED, INGESTED OR ABSORBED THROUGH SKIN. CONTACT MAY CAUSE SKIN AND/OR EYE IRRITATION. INHALATION OF VAPORS/MIST MAY CAUSE RESPIRATORY IRRITATION. TARGET ORGANS: N/P. FI RST AID: INHALED: REMOVE TO FRESH AIR. RESTORE BREATHING AS REQUIRED. GET MEDICAL ATTENTION. INGESTED: CALL PHYSICIAN OR POISON CONTROL CENTER IMMEDIATELY. INDUC

E VOMITING UNDER GUIDANCE OF PHYSICIAN. NOTHING BY MOUTH IF UNCONSCIOUS OR CONVULSING. SKIN: WASH WITH SOAP & WATER. GET MEDICAL ATTENTION IF IRRITATION DEVELOPS OR PERSISTS. EYES: FLUSH WITH WATER FOR AT LEAST 15 MINUTES. GET MEDICAL ATTE NTION.

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