

MATERIAL SAFETY DATA SHEET

NFPA RATING  
 HEALTH: 2  
 FLAMMABILITY: 3  
 REACTIVITY : 0  
 Personal  
 Protection: B



Distributed by:  
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 Elgin, IL 60123

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 Emergency Response Number:  
 1-800-255-3924

OPEN GEAR LUBRICANT

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Hazardous Components (Specific Chemical Identity, Common Name(s))

	CAS #	OSHA PEL	ACGIH TLV	STEL	%
: *hexane	: 110-54-3	: 50 ppm	: 50 ppm	:	: 20-40
: mineral oils	: 64742-16-1	: 5mg/m <sup>3</sup>	: 5mg/m <sup>3</sup>	:	: 20-40
: propane	: 74-98-6	: 1000 ppm	: 1000 ppm	:	: 1-10
: isobutane	: 75-28-5	: 800 ppm	: 800 ppm	:	: 1-10
: n-butane	: 106-97-8	: 800 ppm	: 800 ppm	:	: 1-10
:	:	:	:	:	:
:	:	:	:	:	:
:	:	:	:	:	:
:	:	:	:	:	:
:	:	:	:	:	:

\* SEE INSTRUCTIONS PAGE 3.  
 DOT SHIPPING-CONSUMER COMMODITY ORM-D

Section III-Physical/Chemical Characteristics

Boiling Point-Range: wide range  
 Vapor Pressure PSIG @ 70F: 65- 75  
 Vapor Density(Air=1)  
 Heavier than Air: yes  
 Solubility in Water: negligible  
 Appearance and Odor: characteristic solvent odor

Specific Gravity : 0.77  
 H2O=1 at STP  
 Melting Point-Liquid: na  
 Evaporation Rate: >1.0  
 (Water=1)

Section IV-Fire and Explosion Hazard Data

Flash Point (Method Used): -40F  
 Extinguishing Media  
 Use water fog, dry chemical or carbon dioxide

Flammable Limits LEL UEL  
 : na : na

Special Fire Fighting Procedures

Fire fighters should wear NIOSH approved positive pressure self-contained breathing apparatus. Aerosol cans may rupture when heated.  
 Unusual Fire and Explosion Hazards  
 Heated cans may burst.

Section V - Reactivity Data

Stability -- Unstable: Conditions to Avoid-:  
Stable: yes : none

Incompatibility (Materials to Avoid): STRONG ACIDS, ALKALIS, OXIDIZERS

Hazardous Decomposition or Byproducts: CARBON DIOXIDE, CARBON MONOXIDE

Hazardous May Occur: Conditions to Avoid:  
Polymerization Will Not Occur: yes : none

Section VI - Health Hazard Data

Routes of Entry -- Inhalation? yes Skin? yes Ingestion? yes

Health Hazards (Acute and Chronic)--  
May cause dizziness or narcosis in high vapor concentrations. Will cause defatting of skin. Effects are reversible. Long term exposure (years) to vapor may cause lung, liver, or kidney damage. The solvents listed have been reported to affect the central nervous system.

: hexane

Carcinogenicity NTP? IARC Monographs? OSHA Reg.?  
: --

Signs and Symptoms of Exposure- Inhalation - Difficulty in breathing.  
Skin -Redness Ingestion- vomiting

- Alcohol consumed before or after exposure may increase adverse effects.  
- Over exposure may cause dizziness and loss of concentration.

Medical Conditions  
Generally aggravated by Overexposure-  
- See attachment page 3.

Emergency and First Aid Procedures  
Give oxygen-do not induce vomiting-gastric lavage-wash eyes and skin with water.  
: Remove to fresh air, contact physician immediately.

Section VII - Precautions for Safe handling and Use

Steps to be Taken in Case Material is Released or Spilled--  
Use absorbent sweeping compound to soak up material. Pour into container. Dispose as hazardous waste.:

Waste Disposal Method--  
Dispose of waste in accordance with applicable Federal, State, and local requirements.

Precautions to be Taken in Handling and Storing-Keep away from heat, sparks or open flame. Store at temperatures below 120F.

Other Precautions --  
- Avoid prolonged breathing of vapors. Always use with adequate ventilation.

Section VIII - Control Measures

Respiratory Protection (Specify Type)--  
Self contained breathing apparatus if above TLV limits are exceeded.

Ventilation Local Exhaust Yes Special none  
Mechanical (General) none Other none

Protective Gloves  
None required if spraying.

Eye Protection -  
Safety glasses or goggles

Other Protective Clothing or Equipment -  
Long sleeves and long pants or coveralls.

Work/Hygienic Practices - Do not smoke while using. Wash hands after use.  
- Concentrated vapors of this product are heavier than air and will collect in low areas, pits, storage tanks and other confined spaces. Do not enter these areas.  
- Avoid breathing of vapors.  
- Keep out of reach of children.  
- Notice: Reports have associated repeated and prolonged occupational overexposure to solvents with permanent brain damage and nervous system damage. Intentional misuse by concentrating and inhaling this product may be harmful or fatal.  
- If you have a medical condition consult with a physician prior to using this product.

ATTACHMENT SHEET :

\* Starred items are subject to the reporting requirements of Sara 313 and 40 CFR 372. If any of the components in Section II are preceded by a star ( \* ) you must notify each person to whom this product is sold.

State Of California Proposition 65. The following listed chemicals are known to the State of California to cause Cancer and/or Reproductive Toxicity:

: ---  
:  
:  
:

New Jersey Right to Know:

: hexane  
: propane  
: isobutane  
:  
:

HMIS RATING:  
HEALTH:  
FLAMMABILITY:  
REACTIVITY:  
PERSONAL  
PROTECTION:

ADDITIONAL INFORMATION:

%VOC:  
#/GAL VOC:  
:  
:

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