



SAFETY DATA SHEET



1. CHEMICAL PRODUCT AND COMPANY IDENTIFICATION

Chemical Name: LUBRA 2000

Application: Anti-Sieze Lubricant

Product Number: 1050

UN-Number: N/A

Manufacturer Information: Sunrise Environmental Scientific
Remit: PO Box 10207 Reno, NV 89510
Physical: 1175 Industrial Way Sparks, NV 89431
Phone Number: 775-359-8494 or 800-648-1153

Emergency Phone No.
Chemtrec: 1-800-424-9300

Pages: 3 Web: SUNRISENV.COM

2. HAZARDS IDENTIFICATION

Emergency Overview:

Signal Word: WARNING

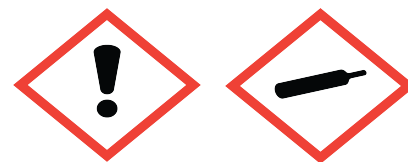
Keep out of reach of children.

Potential Health Effects:

Inhalation: Excessive inhalation of vapors may cause irritation of the respiratory tract, nausea, dizziness and/or headache

Skin Contact: Prolonged contact may cause irritation and/or dryness of skin.

Ingestion: May cause serious health effects including vomiting, nausea and/or gastrointestinal irritation.



3. COMPOSITION/INFORMATION ON INGREDIENTS

Ingredient:	CAS #	Component WT%	PEL	TLV	IDLH
Graphite	7782-42-5	N/D	2.5 mg/mm ³	2.0 mg/mm ³	N/A
Fumed Silica-Amorphous	112945-52-5	N/D	5.0 mg/mm ³	10 mg/mm ³	N/A
Aluminum	7429-90-5	N/D	5.0 mg/mm ³	10 mg/mm ³	N/A
1,1,2,2-tetrachloroethylene	127-18-4	N/D	25 ppm	25 ppm	150 ppm
Propellant	68-476-86-8	N/D	N/A	600 ppm	N/A
Aliphatic Petroleum Distillates	64742-47-8	N/D	400 ppm	N/A	N/A

Comments: None

4. FIRST AID MEASURES

Inhalation: If affected by vapors, move to a well ventilated area immediately. If breathing is difficult seek physician help.

Skin Contact: Flush with water, immediately remove all contaminated clothing.

Ingestion: Do not induce vomiting and seek physician care.

Eye Contact: Immediately flush with plenty of water for at least 15 minutes. After initial flushing, remove any contact lenses and continue for at least 15 minutes and seek physician help.

Additional Information: Increased sensitivity of the heart to adrenaline may be caused by overexposure to perchloroethylene.

5. FIRE FIGHTING MEASURES

Flash Point: <200°F

Upper Flammable Limit (UEL): 9.5%

Lower Flammable Limit (LEL): 1.8%

Auto Ignition: N/D

Rate of Burning: N/D

General Fire Hazards: Aerosol can may explode and release flammable propellant. The vapors are heavier than air and may travel along the ground or be moved by ventilation and lightly by heat, pilot lights, other flames and ignition sources at locations distant from material handling point.

Hazardous Combustion Product: May produce irritating fumes in fire.

Extinguishing Media: Foam, Co2 and/or dry chemicals.

Fire Fighting Equipment/Instructions: Treat as a petroleum fire and never use water as product contains aluminum.

NFPA Rating: (Flammability 1) (Health 1) (Reactivity 0)

6. ACCIDENTAL RELEASE MEASURES

Personal Precautions: Eliminate all the ignition sources such as electrical, static, frictional sparks and pilot. Isolate the area.

Environmental Precautions: Isolate the spilled area. Prevent additional further leakage or spillage, if safe to do so.

Method for Cleanup & Containment: Wear appropriate protective equipment and clothing during the clean-up. Use non-combustible material like vermiculite, sand, clay or other absorbent material to absorb the spilled liquid.

Additional Information: Follow local and federal regulations with regard to chemical spills

7. HANDLING AND STORAGE

Handling Procedure: Avoid breathing mist or vapors. Avoid prolonged contact with skin. Avoid contact with eye. Wear suitable PPE.

Wash hands thoroughly after handling the product.

Storage Procedures: Keep in a well-ventilated place, away from open flame, heat, reactive chemicals and/or other source of ignition.

Prevent electrostatic charge build-up by using common bonding and grounding techniques.

8. EXPOSURE CONTROL / PERSONAL PROTECTION

Occupational Exposure Limits:

ACGIH Components: Use ventilation adequate to maintain TLV.

OSHA Components: Yes. 1,1,2,2-Tetrachloroethylene.

Engineering Measures: Use fan in confined area. Use local exhaust ventilation.

Personal Protective Equipment (PPE): Utilize suitable protective clothing, and other appropriate PPEs to protect eyes and hands.

Hygiene Recommendations: N/D

9. PHYSICAL AND CHEMICAL PROPERTIES

Appearance: Gray

Physical State: Liquid

Vapor Pressure: N/D

Boiling Point: N/A

Solubility (H₂O): Negligible

Freezing Point: N/D

Odor: Mild odor

pH: N/D

Density: N/D

Evaporation rate: 12.6

Vapor Density: N/A

Melting Point: N/A

Specific Gravity: 1.05

VOC: 50.0%

10. STABILITY AND REACTIVITY

Chemical Stability: Stable under normal conditions.

Conditions to Avoid: N/A

Incompatibility: May react vigorously with oxidizing materials.

Hazardous Decomposition: Carbon monoxide and Carbon dioxide. Thermal decomposition may also produce hydrogen chloride gas with a small amount of phosgene.

Hazardous Polymerization: Will not occur.

11. TOXICOLOGICAL INFORMATION

Routes of Entry: Skin, eyes, inhalation and/or ingestion.

Acute Health Hazards: Eye irritant on contact. May cause skin irritation in some sensitive individuals. Excessive inhalation of vapors may irritate to the respiratory tract and may cause CNS damage. Harmful if swallowed. Deliberate inhalation may result in convulsions, permanent body damage or death.

Irritant to eyes.

Chronic Health Hazards: Contains 1,1,2, 2-Tetrachloroethylene which is a human carcinogen.

Carcinogenicity: 1,1,2,2-tetrachloroethylene.

IRAC Monographs: Yes. 1,1,2,2-tetrachloroethylene is a B-listed chemical.

OSHA Regulated: Yes. 1,1,2,2-tetrachloroethylene.

12. ECOLOGICAL INFORMATION

Ecotoxicity: N/D

Persistence and Degradability: N/D

Bioaccumulative potential: N/D

Mobility in Soil: N/D

Other Adverse effects: N/D

13. DISPOSAL CONSIDERATIONS

Disposal Instructions: Follow local and federal disposal regulations. As a non-hazardous liquid waste, it should be solidified with stabilizing absorbent material before disposal.

14. TRANSPORTATION INFORMATION

US DOT Information: ORM-D CONSUMER COMMODITY CLASS 55

UN Number: N/A

Marine Pollutant: N/D

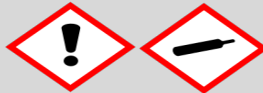
Shipping Name: Lubra 2000

Required Label: N/A

15. REGULATORY INFORMATION

Classification: Irritant, Aerosol

Hazard Symbol: Exclamation Mark, Gas Cylinder



US Federal Regulations

OSHA'S Hazard Communication Rule, 29 CFR 1910.1200-Is a moderate skin irritant, moderate eye irritant and a skin sensitizer.

SARA Title III-This product does not contain any chemicals component with known CAS number that exceed the threshold reporting level establish by SARA Title III, section 313.

State Regulations

California Prop. 65

This product does not contain any chemicals known to state of California to cause cancer, birth defects, or any other reproductive harm.

16. OTHER INFORMATION

SDS History

Date Prepared: 04/02/2014

Revision Date: 02/23/2015

Contact Information: Sunrise Environmental Scientific
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