I - Product Identification

**Graf**

**PRODUCT**

CHEMICAL FORMULATION: Pressurized dry lubricant.

NFPA HAZARD IDENTIFICATION SYSTEM:

- HEALTH: 3
- FLAMMABILITY: 4
- REACTIVITY: 0

HAZARD RATING:

- 4 - Extreme;
- 3 - High;
- 2 - Moderate;
- 1 - Slight;
- 0 - Insignificant

II - Hazardous Ingredients

Values reported as TWA unless noted.

<table>
<thead>
<tr>
<th>SUBSTANCE</th>
<th>APPROX %</th>
<th>OSHA PEL</th>
<th>ACGIH TLV</th>
<th>EPA 40 CFR:</th>
</tr>
</thead>
<tbody>
<tr>
<td>Toluene</td>
<td>65.0-75.0</td>
<td>100 ppm</td>
<td>50 ppm (skin)</td>
<td>Y N Y 108-88-3</td>
</tr>
<tr>
<td>Graphite</td>
<td>10.0-15.0</td>
<td>2.5 mg/m3</td>
<td>2.5 mg/m3</td>
<td>N N N 7782-42-5</td>
</tr>
<tr>
<td>Parploid</td>
<td>5.0-1.0.0</td>
<td>50 ppm</td>
<td>50ppm</td>
<td>N N N 1088-88-3</td>
</tr>
<tr>
<td>Liquefied Petroleum Gas</td>
<td>15.0-20.0</td>
<td>1,000 ppm</td>
<td>1,000 ppm</td>
<td>N N N 68476-85-7</td>
</tr>
</tbody>
</table>

Key:

- PEL: Permissible Exposure Limit
- TLV: Threshold Limit Value
- C: Ceiling level
- STEL: Short Term Exposure Limit
- N/A: Not Applicable
- N/D: Not Determined
- N/E: Not Established
- Y: Yes
- N: No

372: SARA TITLE III / List of Toxic Chemicals subject to Release Reporting (Community Right to Know) (40 CFR 372).

III - Physical Data

- BOILING POINT (*F): -44 to >200
- VAPOR PRESSURE (mm Hg): Approx. 50 PSIG
- VAPOR DENSITY (AIR = 1): >1.0
- SOLUBILITY IN WATER: Negligible
- APPEARANCE AND ODOR: Grey liquid; characteristic hydrocarbon odor.
- SPECIFIC GRAVITY (WATER = 1): >1.0
- VOC CONTENT (% by weight): >90
- EVAPORATION RATE (Butyl/Acetate = 1): >1.0
- pH: N/A

IV - Fire and Explosion Hazard Data

- FLASH POINT (*F): < -156 (estimated for propellant)
- FLAMMABLE LIMITS IN AIR (VOLUME %):
  - UPPER: 9.5
  - LOWER: 1.8
- EXTINGUISHING MEDIA: Foam, carbon dioxide, dry chemical.
- SPECIAL FIRE FIGHTING PROCEDURES: Avoid accumulations of vapors at floor level, as vapor is heavier than air. Cool fire exposed containers with water fog. Firefighters should be equipped with full protective gear including self-contained breathing apparatus.
- UNUSUAL FIRE AND EXPLOSION HAZARD: Contents under pressure! Exposure to temperatures above 120° F may cause bursting. Extremely flammable.
V - Reactivity Data

STABILITY: Stable
INCOMPATIBILITY: Strong acids and oxidizers.
CONDITIONS TO AVOID: Excess heat, open flame or sparks can cause thermal decomposition.
HAZARDOUS DECOMPOSITION PRODUCTS: Thermal decomposition may produce oxides of carbon.
HAZARDOUS POLYMERIZATION: Will not occur.
CONDITIONS TO AVOID: None

VI - Health Hazard Data

ROUTES OF ENTRY
INHALATION: X
EYE CONTACT: X
SKIN CONTACT: X
INGESTION: X

INGREDIENTS THAT ARE CONSIDERED BY OSHA, NTP, IARC TO BE SUSPECTED HUMAN CARCINOGENS: None

EFFECTS OF OVEREXPOSURE
IF IN EYES: Moderate to severe irritation and possible tissue damage to eyes.
IF ON SKIN: Moderate irritation, defatting and dermatitis with prolonged or repeated exposure.
IF SWALLOWED: Gastrointestinal irritation, nausea, cramps, diarrhea. May be harmful or fatal if swallowed.
IF INHALED: Dizziness, nausea, aspiration, loss of consciousness.

EMERGENCY AND FIRST AID PROCEDURES
IF IN EYES: Flush under eyes and eyelids with plenty of cool water for at least 15 minutes. If irritation persists, obtain medical attention.
IF ON SKIN: Remove contaminated clothing and wash with soap and water.
IF SWALLOWED: Contact physician or poison control center immediately. Do not induce vomiting.
IF INHALED: Remove person to fresh air. If breathing has stopped, administer artificial respiration. Obtain medical attention.

VII - Spill or Leak Protection

STEPS TO BE TAKEN IF MATERIAL IS RELEASED OR SPILLED: Ventilate area and remove all sources of ignition. Soak up material with inert absorbent material and place in a labeled closed container for disposal.
WASTE DISPOSAL METHOD: Consult local environmental authorities. Dispose of cans in non-incinerated trash only.

VIII - Special Protection Information

RESPIRATORY PROTECTION: Use with adequate ventilation. Do not breathe vapors or mists. If recommended Exposure Limits are exceeded, wear a NIOSH approved respirator, following manufacturer’s recommendations.

VENTILATION
LOCAL: Recommended
MECHANICAL: Not required

PROTECTIVE GLOVES: Chemical resistant.
EYE PROTECTION: Safety goggles.
OTHER PROTECTIVE EQUIPMENT: Solvent resistant clothing.

PRECAUTIONS TO BE TAKEN IN HANDLING AND STORAGE: Store in a cool, dry place away from heat or open flame.
OTHER PRECAUTIONS: Keep out of reach of children. Do not puncture or incinerate container.

IX - Transportation Information (ground transportation only)

DOT PROPER SHIPPING NAME: Consumer Commodity
DOT CLASS: ORM-D
DOT ID NUMBER: None
DOT PACKING GROUP: None

The shipping information listed above applies only to non-bulk (< 119 gallons) containers of this product. This product may have more than one proper shipping name depending on packaging, product properties, & mode of shipment. If any alteration of packaging, product, or mode of transportation is further intended, different shipping names and labeling may apply.

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