

**GC Electronics**  
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**Product Name: Luberex**  
MSDS Number: 213  
Revision Date: 8/7/06  
Supersedes Date: 11/14/03

## MATERIAL SAFETY DATA SHEET

Complies with OSHA Hazard Communication Standard 29 CFR 1910.1200

Product Type: Lubricant  
Product Name: **Luberex**  
Part Number(s): **10-1206**

Emergency Contact: **Chemtrec**  
Phone (24 hours): **(800) 424-9300**

### Section 1 - Identification of Product

|                        |                                          |
|------------------------|------------------------------------------|
| Generic/Chemical Name: | Petroleum Lubricating Grease             |
| Formula:               | Calcium, soap, mineral oil and additives |
| USDA Authorization:    | H-2                                      |
| HMIS Ratings           | Least 0                                  |
| Health 1               | Slight 1                                 |
| Flammability 1         | Moderate 2                               |
| Reactivity 0           | High 3                                   |
|                        | Extreme 4                                |

### Section 2 - Hazardous Ingredients

| Hazardous Ingredients | OSHA PEL | ACGIH TLV | Other Limits Recommended | 0% (optional) |
|-----------------------|----------|-----------|--------------------------|---------------|
|-----------------------|----------|-----------|--------------------------|---------------|

|               |                                                 |  |  |  |
|---------------|-------------------------------------------------|--|--|--|
| Non-Hazardous | Not a controlled product under (WHMIS) – Canada |  |  |  |
|---------------|-------------------------------------------------|--|--|--|

|                        |                                                                           |
|------------------------|---------------------------------------------------------------------------|
| Threshold Limit Value: | 5 mg/m <sup>3</sup> for oil mist in air. OSHA Regulation 29 CFR 1910.1000 |
|------------------------|---------------------------------------------------------------------------|

### Section 3 - Physical Data

|                                     |                                                |
|-------------------------------------|------------------------------------------------|
| Solubility in Water (@ 20C):        | Negligible                                     |
| Specific Gravity (Water=1):         | 0.89 – 0.93                                    |
| Vapor Pressure (mmHg @ 20C):        | <0.01                                          |
| Evaporation Rate (butyl acetate=1): | <0.01                                          |
| Percent Volatile (by weight):       | N/A                                            |
| Vapor Density (Air):                | >5                                             |
| Boiling Point (Deg F):              | >550°F                                         |
| Melting Point (Deg F):              | 90° C                                          |
| Appearance and Odor:                | Smooth off-white grease with mineral oil odor. |

### Section 4 - Fire & Explosion Hazard Data

|                                   |                                                                                                                                         |
|-----------------------------------|-----------------------------------------------------------------------------------------------------------------------------------------|
| Flash Point (method):             | 360°F COC                                                                                                                               |
| Flammable Limits:                 | LEL: 0.9% UEL: 7.0%                                                                                                                     |
| Extinguishing Media:              | Drychemical (X) CO2 (X) Waterspray (fog ) (X) Foam ( X)                                                                                 |
| Special Fire Fighting Procedures: | Avoid breathing vapors. Use air supplied breathing equipment for enclosed and confined spaces. Cool exposed containers with waterspray. |

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Unusual Fire & Explosion Hazards: Do not store or mix with strong oxidants. Empty containers retain residue. Do not cut, drill or weld as they may explode.

#### Section 5 - Health Hazard Data

Threshold Limit Value: 5 mg/m<sup>3</sup> for oil mist in air. OSHA Regulation 29 CFR 1910.1000

Effects of Overexposure: Prolonged or repeated skin contact may cause skin irritation. Product contacting the eyes may cause eye irritation. Human health risks vary from person to person. As a precaution, exposure to liquids, vapors, mists and fumes should be minimized. This product has a low order of acute oral toxicity, but minute amounts aspirated into the lungs during ingestion may cause mild to severe pulmonary injury.

Carcinogenicity: NTP? No IARC Monographs? No OSHA Regulated? No

#### EMERGENCY AND FIRST AID PRODEDURES

Eye Contact: Flush with clear water for 15 minutes or until irritation subsides. If irritation persists, consult a physician.

Skin Contact: Remove any contaminated clothing and wash with soap and warm water. If injected by high pressure under skin, regardless of the appearance or its size, contact a physician IMMEDIATELY. Delay may cause loss of affected part of the body.

Inhalation: Vapor pressure is very low and inhalation at room temperature is not a problem. If overcome by vapor from hot product, immediately remove from exposure and call a physician.

Ingestion: If ingested, call a physician immediately. Do not induce vomiting.

#### Section 6 - Reactivity Data

Stability: Stable

Conditions to Avoid: N/A

Incompatibility: Avoid contact with strong oxidants like liquid chlorine, concentrated oxygen.

Hazardous Decomposition or By Products: May form SO<sub>2</sub> if incomplete combustion, carbon monoxide.

Note: Hazardous polymerization will not occur.

#### Section 7 - Spill or Leak Procedures

Steps To Take In Case Of Spill: Scrape up grease, wash remainder with suitable petroleum solvent or add absorbent. Keep petroleum products out of sewers and water courses. Advise authorities if product has entered or may enter sewers and water course.

Waste Disposal Method: Assure conformity with applicable disposal regulations. Dispose of absorbed material at appropriate waste facility in accordance with regulations.

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Precautions in Storage: Keep containers closed when not in use. Do not handle near heat, flames, sparks.  
Do not weld or heat empty container.

SARA Title III, Section 313 Status: Zinc compounds - <4%

**Section 8 - Special Protection Information**

Respiration Protection: Normally not needed  
Ventilation Type: General, adequate. Use local exhaust to capture fumes and vapors.  
Skin Protection: Use oil-resistant gloves, if needed.  
Eye Protection: If chance of eye contact, wear goggle.  
Other Protective Measures: None normally needed. Use oil-resistant apron if needed.

**Section 9 - Special Precautions**

Precautions in Storage: Keep containers closed when not in use. Do not handle near heat, flames, sparks.  
or strong oxidants. Do not weld or heat empty container.  
Waste Disposal Method: Dispose of at appropriate waste facility in accordance with regulations.  
Other Precautions: Remove oil-soaked clothing and launder before reuse. Cleanse skin thoroughly  
after contact.

**Section 10 - Regulatory Information**

Proper Shipping Name: Not regulated  
Hazard Class: None  
UN or ID #: None  
Labeling: None

UNK means unknown  
EST means estimated  
N/A means not applicable

SARA/Title III, Section 313 Status - Zinc Compounds - <4%  
5 mg/m<sup>3</sup> for oil mist in air. OSHA Regulation 29 CFR 1910.1000

**Disclaimer**

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