



**Chemical Name:** Boeing Developed Lubricant

**Manufacturer:** Boelube

**Container size:** 12oz.

**Location:** VLA

**Disposal:** Place empty container in trash.

# MATERIAL SAFETY DATA SHEET

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Emergency Phone: (631) 205-9700

Date Prepared: 7/1/10

Supplier: The Orelube Corporation  
20 Sawgrass Drive  
Bellport, NY 11713

## 1 PRODUCT IDENTIFICATION

PRODUCT NAME: BOELUBE 70302 / 70307  
SYNONYMS: None  
CHEMICAL FAMILY: Proprietary  
PRODUCT USE: Metalworking Lubricant

## NFPA

Health - 1  
Flammability - 1  
Reactivity - 0

## 2 PRECAUTIONARY INFORMATION

This product is not known or expected to be hazardous.

## 3 HAZARDOUS INGREDIENTS / IDENTITY INFORMATION

COMPONENTS	OSHA PEL	OSHA TWA	ACGIH TLV-TWA	ACGIH TLV-STEL	CAS #	%
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This Material Safety Data Sheet has been prepared under guidelines in OSHA Hazard Communication Standard 29 CFR 1910.1200.

No known hazardous ingredients present in product. Exposure limits not established.

Product is not hazardous per Workplace Hazardous Materials Information System (WHMIS).  
None of the components of this product at concentrations greater than or equal to 0.1% are listed as a carcinogen or potential carcinogen by NTP, IARC, and OSHA.

## 4 HEALTH HAZARD DATA

EYE: Excessive exposure may result in transient irritation in some individuals.

SKIN: Excessive exposure may result in transient irritation in some individuals.

INGESTION: Not an expected route of exposure. Non-toxic by oral dosing in rats.

INHALATION: Not an expected route of exposure.

SYMPTOMS OF EXPOSURE: No persistent adverse health effects are known to be associated with exposure to this product.

PRIMARY ROUTES OF ENTRY: Occupational exposure most likely to occur through skin contact.

## 5 FIRST AID MEASURES

SKIN: Wash off with plenty of soap and water.

EYE: Flush with large amounts of water. If any irritation persists, get medical attention.

INGESTION: Remove material from mouth. Drink plenty of water. If large amount swallowed or symptoms develop, get medical attention.

INHALATION: Remove to fresh air.

## **6 EXPOSURE CONTROLS / PERSONAL PROTECTION**

ENGINEERING MEASURES: Ensure ventilation or local exhaust especially for enclosed space.

HYGIENE MEASURES: Good industrial hygiene should be followed.

OCCUPATIONAL EXPOSURE LIMITS: No occupational exposure limits have been established.

PERSONAL PROTECTIVE EQUIPMENT: Normal precautions should be observed. If repeated or prolonged skin contact is likely, impervious gloves are recommended.

## **7 PHYSICAL / CHEMICAL PROPERTIES**

PHYSICAL STATE: Paste

COLOR: Blue

ODOR: Faint

BOILING POINT: Not determined

MELTING POINT: ~ 90 F (32 C)

VAPOR PRESSURE: < 0.1 mm Hg @ 20 C

VAPOR DENSITY: Heavier than air

SPECIFIC GRAVITY: ~ 0.84 g/ml @ 25 C

SOLUBILITY IN WATER: Insoluble

VOC CONTENT: Not volatile

## **8 STABILITY / REACTIVITY**

STABILITY: Stable under normal conditions.

HAZARDOUS POLYMERIZATION: Will not occur

HAZARDOUS DECOMPOSITION PRODUCTS: Thermal decomposition will evolve oxides of carbon.

MATERIALS TO AVOID: Oxidizing agents

## **9 FIRE / EXPLOSION DATA**

FLASH POINT: > 330 F (165 C) (COC)

AUTOIGNITION TEMPERATURE: Not Available

UNUSUAL FIRE AND EXPLOSION HAZARDS: None expected

EXTINGUISHING MEDIA: Foam, dry chemical, carbon dioxide, water spray.

SPECIAL FIRE FIGHTING PROCEDURES: Use air-supplied breathing equipment for enclosed areas. Water or foam may cause frothing which can be violent, especially if sprayed into containers of hot burning liquid.

## **10 SPILL / LEAK PROCEDURES**

Recover free product. Contain any spill to prevent entry to sewers or streams. Add sand, earth or suitable absorbent to spill area. Transfer to closed container.

## **11 WASTE DISPOSAL METHODS**

Dispose of in accordance with local, state and federal laws.

## **12 PRECAUTIONS TO BE TAKEN IN HANDLING AND STORING**

Store in closed containers away from heat or open flames. Do not store with oxidizing agents. Not for internal use. Empty containers may contain product residue. Do not cut heat or weld on or around empty containers. Avoid freezing temperatures.

### **13 TOXICOLOGICAL INFORMATION**

ACUTE TOXICITY: Oral LD<sub>50</sub> greater than 20 g/kg (rats)

SKIN IRRITATION: Non-irritant (rabbits)

EYE IRRITATION: Non-irritant (rabbits)

SKIN SENSITIZATION: Not a sensitizer.

MUTAGENICITY: Ames test - Negative (Non-mutagenic)

### **14 ECOLOGICAL INFORMATION**

BIODEGRADATION: Biodegradable (expected to exhibit greater than 70% degradation within 28 days in the Modified Sturm test).

ECOTOXICITY: Not determined. However, this product is not expected to cause harm to aquatic organisms.

### **15 REGULATORY INFORMATION**

This product does not contain a SARA Title 3 Section 313 (40 CFR 372) reportable chemical.

This product is not considered a controlled product according to the criteria of the Canadian Controlled Products Regulations.

CALIFORNIA PROPOSITION 65: No reportable components.

INVENTORY STATUS: This product contains only chemicals that are currently listed on:

USA - TSCA; Australia - AICS; EU - EINECS; Canada - DSL; Korea - ECL; Japan - ENCS;

Philippines - PICCS; and China - SEPA.

### **16 TRANSPORTATION INFORMATION**

Not regulated by US DOT, IMO, or ICAO.

### **17 OTHER INFORMATION**

This information is furnished without warranty, expressed or implied, except that it is accurate to the best knowledge of The Orelube Corporation. The Orelube Corporation assumes no legal responsibility for the use or reliance upon this data.

Please note that the chemical identity of some or all of the ingredients that may or may not be listed herein is confidential business information and is being withheld as permitted by 29 CFR 1910.1200 and various State Right-to-Know Laws.