



The Orelube Corporation

201 E. Bethpage Road

Plainview, NY 11803

Tel: (516) 2496500

Fax: (516) 2496566

e-mail: info@orelube.com

MATERIAL SAFETY DATA SHEET

Emergency Phone: (516) 249-6500

Chemtrec: (800) 424-9300

Date Prepared: 6/15/02

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

Non-hazardous under normal conditions of use. This product is non-hazardous as defined by the OSHA Hazard Communication Standard.

3 HAZARDOUS INGREDIENTS / IDENTITY INFORMATION

COMPONENTS	OSHA PEL	OSHA TWA	OSHA TLV-TWA	ACGIH TLV-STEL	ACGIH	CAS #	%

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: Excess exposures may result in mild transient irritation.

SKIN: Excess exposures may cause skin 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: Depending on the concentration in air, 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

DENSITY: ~7.0 lb/gal

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

Not classified as a hazardous waste under RCRA in its purchased form. It is the responsibility of the product user to determine at the time of disposal, whether the material being disposed of is a hazardous waste (40 CFR 261.20-24). 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 LD₅₀ greater than 20 g/kg (rats) - Non-toxic.

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 as a whole, 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

D.O.T. CLASSIFICATION: Not regulated.

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.

The ingredients in this product are safe as cosmetic ingredients in the present practices of use.

BOELUBE® is a registered trademark of The Boeing Company. These products represent a family of proprietary lubricants developed through Boeing manufacturing operations and lubricant experience.

BOELUBE
A BOEING DEVELOPMENT CORPORATION



THE ORELUBE CORPORATION holds an exclusive worldwide license from The Boeing Company to manufacture and market the BOELUBE® series of lubricants.