

The Orelube Corporation

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Lubricants and Chemicals**MATERIAL SAFETY DATA SHEET**

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Date Prepared: 6/15/00

1 PRODUCT IDENTIFICATION

PRODUCT NAME: **BOELUBE 90**
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. This product is non-hazardous as defined by the OSHA Hazard Communication Standard.

3 HAZARDOUS INGREDIENTS / IDENTITY INFORMATION

COMPONENTS %	OSHA PEL	OSHA TWA	ACGIH TLV-TWA	ACGIH TLV-STEL	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. Orelube recommends an exposure limit of 5 mg/m³ based on data for mineral oil mist in air.

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 transient irritation.

SKIN: Not an irritant.

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

INHALATION: Excess exposures may result in respiratory irritation in some individuals.

EFFECTS OF OVEREXPOSURE: Prolonged and/or repeated inhalation may cause irritation to mucous membranes and respiratory passages. Excessive exposures can possibly cause eye irritation.

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.

7 PHYSICAL / CHEMICAL PROPERTIES

PHYSICAL STATE: Liquid
COLOR: Clear
ODOR: Faint
BOILING RANGE: 207-236 C @ 25 mm Hg
MELTING RANGE: -10/-6 C
VAPOR PRESSURE: Not determined
VAPOR DENSITY: Heavier than air
SPECIFIC GRAVITY: ~0.837 g/ml @ 20 C
SOLUBILITY IN WATER: Insoluble
VOC CONTENT: Not volatile

[Click Here For Page 2](#)

- * **[Boelube Introduction](#)**
- * **[Boelube Paste](#)**
- * **[Boelube Solid](#)**
- * **[Boelube Liquid](#)**
- * **[Boelube 90](#)**
- * **[Boelube Water Soluble](#)**
- * **[Boelube Product List](#)**
- * **[MSDS Boelube 70104](#)**
- * **[MSDS Boelube 70105](#)**
- * **[MSDS Boelube 70106](#)**
- * **[MSDS Boelube 70200](#)**
- * **[MSDS Boelube 70302 / 70307](#)**
- * **[MSDS Boelube 70305](#)**
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family of Proprietary lubricants developed
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lubricant experience.



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