

SAFETY DATA SHEET
Regulation (EC) No 1907/2006 (REACH)

SECTION 1: IDENTIFICATION OF THE SUBSTANCE/PREPARATION AND THE COMPANY/UNDERTAKING

1.1 Product Identifier

Trade Name **Boelube 70090**

SDS Date September 18, 2019

1.2 Relevant Identified Uses of the Substance or Mixture and Uses Advised Against

Product Use: Metalworking Lubricant

Uses Advised Against: None known

1.3 Details of the Supplier of the Substance or Mixture

Manufacturer: THE ORELUBE CORPORATION
20 Sawgrass Drive
Bellport, NY 11713
+1 (631) 205-9700

EU Distributor:

1.4 Emergency Telephone Number

Emergency Spill Information Infotrac +1-352-323-3500 (24-Hour number)
shipments outside USA (international)

SECTION 2: HAZARDS IDENTIFICATION

2.1 Classification of the Substance or Mixture

Physical	Health	Environmental
Not hazardous	Not Hazardous	Not Hazardous

2.2 Label Elements

Not hazardous in accordance with the EU CLP (1272/2008)

2.3 Other Hazards: None

SECTION 3: COMPOSITION/INFORMATION ON INGREDIENTS

3.2 Mixtures

Chemical Name	CAS Number / EINECS Number / REACH Reg. Number	% (w/w)	CLP/GHS Classification (1272/2008)
Non-Hazardous Ingredients	Proprietary	100%	Not hazardous

See Section 16 for full text of GHS Classifications.

SECTION 4: FIRST AID MEASURES

4.1 Description of First Aid Measures

First Aid

Inhalation: Remove person to fresh air. If irritation occurs or symptoms develop, get medical attention.

Skin contact: Remove contaminated clothing. Wash skin with soap and water. If irritation develops and persists, get medical attention. Launder clothing before reuse.

Eye contact: Immediately flush eyes with water while lifting the upper and lower lids. Get medical attention if irritation persists.

Ingestion: Rinse mouth with water. Do not induce vomiting unless directed by medical personnel. Never give anything by mouth to a person who is unconscious or convulsing. Get medical attention if symptoms develop.

4.2 Most Important symptoms and effects, both acute and delayed: May cause mild eye irritation. Prolonged skin contact may cause irritation. Ingestion may cause gastrointestinal distress with nausea and diarrhea.

4.3 Indication of any immediate medical attention and special treatment needed: Immediate medical attention is not generally required.

SECTION 5: FIREFIGHTING MEASURES

5.1 Extinguishing Media: Use water fog, alcohol foam, carbon dioxide or dry chemical to extinguish a fire involving this product. Do not use solid water stream as this may spread the fire.

5.2 Special Hazards Arising from the Substance or Mixture: Product is not flammable or combustible but may burn in a fire. Combustion may produce carbon oxides.

5.3 Advice for Fire-Fighters: Firefighters should wear positive pressure self-contained breathing apparatus and full protective clothing for all fires involving chemicals. Cool fire exposed containers with water.

SECTION 6: ACCIDENTAL RELEASE MEASURES

6.1 Personal Precautions, Protective Equipment and Emergency Procedures: Wear appropriate protective clothing and equipment as described in Section 8. Use caution – surfaces will be very slippery.

6.2 Environmental Precautions: Prevent spill from entering sewers and water courses. Report releases as required by local and national authorities.

6.3 Methods and Material for Containment and Cleaning Up: Contain and collect with an inert absorbent material. Place in an appropriate container for disposal. Clean spill area thoroughly.

6.4 Reference to Other Sections:

Refer to Section 8 for personal protective equipment and Section 13 for disposal information.

SECTION 7: HANDLING and STORAGE

7.1 Precautions for Safe Handling: Avoid contact with eyes, skin and clothing. Wash thoroughly with soap and water after handling. Empty containers retain product residues and can be dangerous. Do not cut, weld, braze, drill, grind or expose such containers to heat, electricity or any other source of ignition. They may explode and cause injury or death.

7.2 Conditions for Safe Storage, Including any Incompatibilities: Store in a dry, cool, well-ventilated area. Keep in original containers. Store away from oxidizing agents.

7.3 Specific end use(s):

Industrial uses: Metalworking Lubricant
Professional uses: Metalworking Lubricant

SECTION 8: EXPOSURE CONTROLS/PERSONAL PROTECTION

8.1 Control Parameters:

Chemical Name	US OEL	EU IOEL	German Limits	UK Limits
Non-Hazardous Ingredients	None Established	None Established	None Established	None Established

8.2 Exposure Controls:

Appropriate Engineering Controls: Use with adequate general or local exhaust ventilation to minimize exposures levels.

Personal Protective Measures

Respiratory protection: None needed under normal use conditions. If exposure levels are excessive and irritation is experienced, an approved particulate respirator is recommended. Selection of respiratory protection depends on the contaminant type, form and concentration. Select in accordance with EN Standards and good Industrial Hygiene practice. Respirators must meet the standards in accordance with EN140, EN143, ASTM F2704-10 or international equivalent.

Skin protection: Impervious gloves recommended if needed to avoid prolonged skin contact. Protective gloves must meet the standards in accordance with EN374, ASTM F1001 or international equivalent.

Eye protection: Safety goggles recommended. Eye protection must meet the standards in accordance with EN166, ANSI Z87.1 or international equivalent.

Other: None known.

SECTION 9: PHYSICAL and CHEMICAL PROPERTIES

9.1 Information on basic Physical and Chemical Properties

Appearance (physical state, color, etc.): Clear liquid

Odor: Odorless

Odor threshold: Not determined	pH: Not applicable
Pour point: -59°C (-74°F)	Boiling Point: >290°C (>554°F)
Flash point: 388°F (170°C) COC	Evaporation rate (butyl acetate =1): Not available
Flammability (solid, gas): Not applicable	VOC: Non-volatile (< 0.1%)
Flammable limits: LEL: Not determined	UEL: Not determined
Vapor pressure: <1.0 hPa @ 20°C	Vapor density: Not determined
Relative density: 0.84 @ 4°C	Solubility(ies): Insoluble in water
Partition coefficient: n-octanol/water: Not available	Auto-ignition temperature: 260°C / 500°F
Decomposition temperature: Not available	Viscosity: 50-54 mPa.s @ 20°C
Explosive Properties: Not applicable	Oxidizing Properties: Not oxidizing

9.2 Other Information: None available

SECTION 10: STABILITY and REACTIVITY

10.1 Reactivity: Not reactive under normal conditions of use.

10.2 Chemical Stability: Stable.

10.3 Possibility of Hazardous Reactions: None known.

10.4 Conditions to Avoid: Extreme heat and open flames.

10.5 Incompatible Materials: Avoid oxidizing agents.

10.6 Hazardous Decomposition Products: Thermal decomposition may yield oxides of carbon and hydrocarbons.

SECTION 11: TOXICOLOGICAL INFORMATION
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11.1 Information on Toxicological Effects:**Potential Health Effects:**

Inhalation: No adverse effects expected due to product form.

Ingestion: Ingestion may cause gastrointestinal distress with nausea and diarrhea.

Skin contact: Prolonged skin contact may cause mild irritation and drying of the skin.

Eye contact: Contact may cause mild irritation with redness and tearing.

Chronic Effects: None known.

Sensitization: Components are not known to be sensitizers.

Skin corrosion/irritation: None of the components have been shown to cause skin irritation or corrosion.

Eye damage/ irritation: None of the components have been shown to cause eye irritation or damage.

Respiratory Irritation: No data available. Expected to cause only temporary irritation.

Respiratory Sensitization: No data available.

Skin Sensitization: No data available. None of the components have been shown to cause skin sensitization.

Germ Cell Mutagenicity: No adverse effects are expected. Components are not germ cell mutagens.

Carcinogenicity: None of the components of this product are listed as carcinogens by IARC or the EU CLP.

Reproductive Toxicity: No adverse effects are expected. Components are not reproductive toxins.

Specific Target Organ Toxicity:

Single Exposure: No data available.

Repeat Exposure: No data available.

Aspiration Hazard: This product does not meet the criteria for an aspiration hazard.

Acute Toxicity Values: Product: LD50 oral rat >33,000 mg/kg.

SECTION 12: ECOLOGICAL INFORMATION

12.1 Toxicity: Aquatic toxicity is unlikely due to low solubility.

12.2 Persistence and degradability: The product is expected to be biodegradable.

12.3 Bioaccumulative Potential: No data available.

12.4 Mobility in Soil: No data available.

12.5 Results of PBT and vPvB assessment: Components do not meet the criteria for PBT or vPvB.

12.6 Other Adverse Effects: None known.

SECTION 13: DISPOSAL CONSIDERATIONS
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13.1 Waste Treatment Methods: Dispose in accordance with all local, state and federal regulations. No specific disposal method is recommended. It is the responsibility of the user, at the time of disposal, to determine whether the product meets the criteria for hazardous waste.

SECTION 14: TRANSPORTATION INFORMATION

	14.1 UN Number	14.2 UN Proper Shipping Name	14.3 Hazard Class(s)	14.4 Packing Group	14.5 Environmental Hazards
US DOT		Not Regulated			
Canadian TDG		Not Regulated			
EU ADR/RID		Not Regulated			
IMDG		Not Regulated			
IATA/ICAO		Not Regulated			

14.6 Special Precautions for User: None known.

14.7 Transport in Bulk According to Annex III MARPOL 73/78 and the IBC Code: Not applicable – product is transported only in packaged form.

SECTION 15: REGULATORY INFORMATION

15.1 Safety, Health and Environmental Regulations/Legislation Specific for the Substance or Mixture

EU Regulations:

RoHS: Compliant

German WGK: 1

This SDS was prepared in accordance with EC No. 1907/2006 as amended. Classification under EC No. 1272/2008 as amended following the mixture rules.

15.2 Chemical safety assessment: Not required

SECTION 16: OTHER INFORMATION

CLP/GHS Classification and H Phrases for Reference (See Section 3)

None

SDS Revision History: Updated SDS

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