

# Material Safety Data Sheet

# Tribolube-31

May be used to comply with OSHA's Hazard Communication Standard.  
29 CFR 1910.1200 Standard must be consulted for specific requirements.

QUICK IDENTIFIER  
Common Name: (used on Label and list)

## SECTION 1- MANUFACTURER

Manufacturer's  
Name

*Aerospace Lubricants, Inc*

Address

*1600 Georgesville Road*

City, State, and Zip

*Columbus, Ohio 43228*

Emergency  
Telephone No.

*614-878-3600*

Other  
Information  
Calls

*614-878-3600*

Signature of Person

*Stephen E. Gates*  
Stephen E. Gates

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Prepared *Rev. D*

HEALTH

1

FLAMMABILITY

0

REACTIVITY

0

PERSONAL PROTECTION

B

## SECTION 2- HAZARDOUS INGREDIENTS/IDENTITY

| Hazardous Component(s) (chemical & common name(s)) | OSHA<br>PEL | ACGIH<br>TLV | Other Exposure<br>Limits | %<br>(optional) | CAS<br>NO. |
|--|-------------|--------------|--------------------------|-----------------|------------|
|--|-------------|--------------|--------------------------|-----------------|------------|

No hazardous components were knowingly incorporated into this lubricant. This product is not considered hazardous according to the OSHA Hazard Communication Standard 29CFR 1910.1200.

## SECTION 3 - PHYSICAL & CHEMICAL CHARACTERISTICS

|                     |   |                                       |             |                        |             |
|---------------------|---|---------------------------------------|-------------|------------------------|-------------|
| Boiling Point       | Above 500°F                             | Specific Gravity (H <sub>2</sub> O=1) | 0.800       | Vapor Pressure (mm Hg) | 1 mm @ 20°C |
| Solubility in Water | Negligible                              | Reactivity in Water                   | Negligible  |                        |             |
| Appearance and Odor | Light tan grease, slight petroleum odor | Melting Point                         | Above 500°F |                        |             |

## SECTION 4 - FIRE & EXPLOSION DATA

|             |     |             |     |                                     |     |           |     |           |     |
|-------------|-----|-------------|-----|-------------------------------------|-----|-----------|-----|-----------|-----|
| Flash Point | N/A | Method Used | N/A | Flammable Limits in Air % by Volume | N/A | LEL Lower | N/A | UEL Upper | N/A |
|-------------|-----|-------------|-----|-------------------------------------|-----|-----------|-----|-----------|-----|

Auto-Ignition Temperature Above 450°F

Extinguisher Media CO<sub>2</sub>, dry chemical, foam, water spray, water fog.

Special Fire Fighting Procedures Self contained breathing apparatus and protective clothing should be worn in fighting fires involving chemicals. Decomposition at temperatures above 290°C may cause the evolution of toxic gaseous fluorine compounds.

Unusual Fire and Explosion Hazards Toxic fluorine gases are by-products of combustion.

## SECTION 5 - PHYSICAL HAZARDS (REACTIVITY DATA)

*Tribolube-31*

Stability Unstable  Conditions to Avoid  Stable  **Strong Oxidizers, temperatures above 550°F**

Incompatibility (Materials to Avoid) **Oxidizing material can cause a reaction**

Hazardous Decomposition Products **Fluorine products, silicon dioxide, CO<sub>2</sub>, traces of incompletely burned carbon.**

Hazardous polymerization May Occur  Will Not Occur  **None Known**

## SECTION 6 - HEALTH HAZARDS

1. Acute **None** 2. Chronic **None**

Signs and Symptom of Exposure **Prolonged and repeated contact with skin may cause skin irritation**

Medical Condition Generally Aggravated by Exposure **No known medical condition that might be aggravated by exposure.**

Chemical Listed as Carcinogen or Potential Carcinogen National Toxicology Program Yes  No  I.A.R.C. Monographs Yes  No  OSHA Yes  No

Emergency and First Aid Procedures **Skin contact: Wipe off and wash with soap and water.**

### ROUTES OF ENTRY

- Inhalation **Remove to fresh air, if necessary seek medical attention.**
- Eyes **Flush with water, get medical attention.**
- Skin **Wipe off and wash with soap and water.**
- Ingestion **Give milk or water; do not induce vomiting, ingestion may cause diarrhea, consult physician.**

## SECTION 7 - SPECIAL PRECAUTION AND SPILL/LEAK PROCEDURES

Precautions to be Taken in Handling and Storage **Use reasonable care. Do not store above 250°F or near flammables.**

Other Precautions **Toxic vapors may evolve above 550°F; provide adequate ventilation if used above this temperature.**  
**Avoid spills: causes slippery surfaces.**

Steps to be Taken in Case Material is Released or Spilled **Scrape up with proper tools; wipe up with absorbant cloth or paper towel; apply non-skid absorbant material to floor. Collect waste materials for salvage or disposal.**

Waste Disposal Methods (Consult federal, state, and local regulations) **Dispose of in accordance with current Federal, State, and Local Regulations.**

## SECTION 8 - SPECIAL PROTECTION INFORMATION/CONTROL MEASURES

Respiratory Protection (Specify Type) **Not required unless product is being used as a mist.**

| Ventilation | Local Exhaust       | Mechanical (General) | Special | Other |
|-------------|---------------------|----------------------|---------|-------|
|             | <b>Not required</b> | <b>Recommended</b>   |         |       |

Protective Gloves **Plastic disposable** Eye Protection **Safety glasses recommended.**

Other Protective Clothing or Equipment **Plastic apron, fabric laboratory coat recommended.**

Work/Hygienic Practices **Do not contaminate smoking materials; wash hands and/or contaminated area after exposure.**