

# Material Safety Data Sheet

# Tribolube-13D

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 Responsible for Preparation

*Stephen E. Gates*  
Stephen E. Gates

Date *January 3, 2005*

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 PEL	ACGIH TLV	Other Exposure Limits	% (optional)	CAS NO.
--	----------	-----------	-----------------------	--------------	---------

No hazardous components were knowingly incorporated into this lubricant. This product is not considered hazardous according to the OSHA

Hazardous Communication Standard 29CFR 1910.1200

Threshold Limit Value: LD50>40G/KG (Non-toxic)

OSHA Threshold Limit Value: LD50>40G/KG

ACGIH Threshold Limit Value: LD50>40G/KG

Carcinogen - NTP Program: N/A

Carcinogen - IARC Program: N/A

## SECTION 3 - PHYSICAL & CHEMICAL CHARACTERISTICS

Boiling Point	N/A	Specific Gravity (H O=1)	1.90	Vapor Pressure (mm Hg)	10 <sup>-2</sup> at 20°C
---------------	-----	--------------------------	------	------------------------	--------------------------

Vapor Density (Air=1) N/A

Solubility in Water	Insoluble	Reactivity in Water	Non-reactive
---------------------	-----------	---------------------	--------------

Appearance and Odor	White, Odorless	Melting Point	Above 250°C
---------------------	-----------------	---------------	-------------

## 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	Nonflammable	Extinguisher Media	N/A
---------------------------	--------------	--------------------	-----

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-13D*

Stability	Unstable <input type="checkbox"/>	Conditions to Avoid	
	Stable <input checked="" type="checkbox"/>		Avoid heating above 250°C.
Incompatibility (Materials to Avoid)	Molten alkali metals, interhalogen compounds, strong or nonaqueous alkali and Lewis acids above 100°C		
Hazardous Decomposition Products	Toxic Fluorine gases		
Hazardous polymerization	May Occur <input type="checkbox"/>	Conditions to Avoid	
	Will Not Occur <input checked="" type="checkbox"/>		Avoid heating above 250°C

## SECTION 6 - HEALTH HAZARDS

1. Acute	None	2. Chronic	None				
Signs and Symptom of Exposure	Mild irritant to the skin upon prolonged exposure for some individuals.						
Medical Condition Generally Aggravated by Exposure	Decomposition products formed at high temperatures above 250°C may cause "polymer fever." No known medical condition that might be aggravated by exposure.						
Chemical Listed as Carcinogen or Potential Carcinogen	None	National Toxicology Program	Yes <input type="checkbox"/> No <input checked="" type="checkbox"/>	I.A.R.C. Monographs	Yes <input type="checkbox"/> No <input checked="" type="checkbox"/>	OSHA	Yes <input type="checkbox"/> No <input checked="" type="checkbox"/>
Emergency and First Aid Procedures	See below						

### ROUTES OF ENTRY

- Inhalation Slightly toxic by inhalation (4 hr. LC 50 1,000-5000 ppm; 8-40 mg/l). If discomfort occurs, move to fresh air; contact physician.
- Eyes Flush with water; if irritated, contact physician.
- Skin Wipe off and wash with soap and water. If irritation develops, contact physician.
- Ingestion Very low toxicity by contact (LD50 > 10,000 mg/kg)  
Very low toxicity by ingestion (oral LD50 > 5,000 mg/kg). Give large amounts of water; contact physician. Inform physician product is inert/non-toxic.

## 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 or explosive material.
Other Precautions	Toxic vapors may evolve above 250°C; 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
Recommended	Not required	Recommended	Not required	
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.			