

Material Safety Data Sheet

PRO LUBE Synthetic Spray Lubricants

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

Responsible for Preparation

Stephen E. Gates

Date *January 3, 2011*

Prepared *Rev. F*

HEALTH

1

FLAMMABILITY

4

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.
Propane/butane blend propellant				20 - 30%	Trade secret
1-decene, homopolymer, hydrogenated				58 - 65%	68037-01-4
Rheological additive (organophilic clay)				7 - 11%	68953-58-2
Polytetrafluoroethylene				1 - 2%	9002-84-0
Heterocyclic sulfur-nitrogen compound				0 - 1%	Trade secret
Methylenebis (dibutyldithiocarbamate)				2 - 4%	10254-57-6
Disodium sebacate				1 - 3%	17265-14-4

SECTION 3 - PHYSICAL & CHEMICAL CHARACTERISTICS

Boiling Point	Not applicable	Specific Gravity (H O=1)	0.827	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 450° F		

SECTION 4 - FIRE & EXPLOSION DATA

Flash Point	435°F for grease	Method Used	C.O.C.	Flammable Limits in Air % by Volume	N/A	LEL Lower	N/A	UEL Upper	N/A
Auto-Ignition Temperature	Above 450°F for grease	Extinguisher Media	CO ₂ , dry chemical, foam, water spray, water fog.						
Special Fire Fighting Procedures	Pressurized aerosol cans containing propane/butane propellant. Propellant highly flammable. Cans may exploded if exposed to temperatures above 120°F. 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. Product contained in aerosol cans. Once product is sprayed and propellant evaporates, grease residue is nonflammable.								

SECTION 5 - PHYSICAL HAZARDS (REACTIVITY DATA)

Stability Unstable Stable Conditions to Avoid Strong Oxidizers, temperatures above 500°F

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

Hazardous Decomposition Products Fluorine products, silicon dioxide, CO₂, traces of incompletely burned carbon.

Hazardous polymerization May Occur Will Not Occur

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 Yes No 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

1. Inhalation Remove to fresh air, if necessary seek medical attention.

2. Eyes Flush with water, get medical attention.

3. Skin Wipe off and wash with soap and water.

4. Ingestion Give milk or water; do not induce vomiting; 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 120°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 in an enclosed area.

Ventilation	Local Exhaust	Mechanical (General)	Special	Other
<u>Recommended</u>	<u>Recommended</u>	<u>Recommended</u>		

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.

SECTION 9 - REGULATORY INFORMATION

D.O.T. REGULATIONS: ORM-D

NFPA30: Class 3 Aerosol

SECTION 10 - DISCLAIMER

The information contained herein is presented in good faith and is considered to be accurate. However, no warranty is expressed or implied regarding the accuracy of the data or the results to be obtained from the use, thereof. Because the information contained herein may be applied under conditions beyond our control, we assume no responsibility for its use.