

# MATERIAL SAFETY DATA SHEET

LONE STAR LUBRICANTS  
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## SECTION I

IDENTITY (AS USED ON LABEL): LS-300A  
CHEMICAL NAMES AND SYNONYMS: Synthetic Lubricant Paste  
CHEMICAL FAMILY: Not applicable  
FORMULA: Complex mixture  
DATE PREPARED: March 15, 2010  
INFORMATION OR EMERGENCY PHONE: (817) 831-2522  
PREPARED BY: CHEMICAL COMMUNICATIONS COORDINATOR  
LONE STAR LUBRICANTS, 2232 Moneda St. Ft. Worth, TX 76117

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## HAZARDOUS MATERIALS IDENTIFICATION SYSTEM (HMIS)

HEALTH: 0  
FLAMMABILITY: 1  
REACTIVITY: 0  
SPECIAL NOTICE: -

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## SECTION II - HAZARDOUS COMPONENTS

## CONCENTRATIONS

Molybdenum Disulfide (CAS #1317-33-5)		
ACGIH TLV:	10 mg/m <sup>3</sup> as Mo	
OSHA PEL:	10 mg/m <sup>3</sup> as Mo	Trade Secret
Inorganic Antimony Compound (CAS # 1309-64-4)*		
ACGIH TLV:	.5 mg/m <sup>3</sup> as Sb	
OSHA PEL:	.5 mg/m <sup>3</sup> as Sb	<10%
Synthetic Oil:		
ACGIH TLV:	5 mg/m <sup>3</sup> (as oil mist)	
OSHA PEL:	5 mg/m <sup>3</sup> (as oil mist)	Trade Secret

\*This chemical is subject to the Reporting Requirements of Section 313 of Title III of the Superfund Amendments and Preauthorization Act of 1986 and 40 CFR Part 372.

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**SECTION III - PHYSICAL/CHEMICAL CHARACTERISTICS**

Boiling Point:	300° F
Density (lb/gal):	13.0 - 14.0
Vapor Pressure (m Hg.):	<5 mm Hg
Melting Point:	Not available
Vapor Density (AIR=1):	Not available
Evaporation Rate:	<1
(Butyl Acetate = 1)	
Solubility in Water:	Nil
Appearance and Odor:	Gray/black paste, no characteristic odor.
Volatile Organic Compound - Voc (grams/liter):	Not applicable

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**SECTION IV - FIRE AND EXPLOSIVE HAZARD DATA**

Flash Point (Method Used):	>400°F (C.O.C.)
Flammable Limits:	
LEL -	Not determined for product
UEL-	Not determined for product
Extinguishing Media:	CO2, Foam, Dry Chemical or Halon
Special Fire Fighting Procedures:	
Wear self-contained breathing apparatus. Do not extinguish with water.	
Unusual Fire and Explosion Hazards:	
None	

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**SECTION V - REACTIVITY DATA**

Stability:	Stable
Conditions to Avoid:	Open flame
Incompatibility (Materials to Avoid):	
Strong oxidizing agents	
Hazardous Decomposition Products:	
Irritating and/or toxic fumes including CO, CO2, H2S and SO2 may be released.	
Hazardous Polymerization:	Will not occur
Conditions to Avoid:	None

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**SECTION VI - HEALTH HAZARD DATA**

THRESHOLD LIMIT VALUE:	Not determined for product, see Section II.
Route(s) of Entry:	
Inhalation?	No
Skin?	Yes
Ingestion?	Yes

## TOXICITY (ACUTE AND CHRONIC):

Synthetic oils may cause skin and eye irritation.

CARCINOGENICITY: NTP-NO IARC-NO OSHA-NO

Molybdenum compounds may be slightly irritating.

CARCINOGENICITY: NTP-NO IARC-NO OSHA-NO

Antimony compounds in tests with lab animals has been reported to cause benign and malignant lung tumors upon inhalation above the TLV.

CARCINOGENICITY: NTP-NO IARC-YES OSHA-NO  
(Animal - Definite) (Human - Indefinite)

## HEALTH HAZARDS:

Eyes - can cause irritation , redness, blurred vision.

Skin - prolonged contact can cause irritation and dermatitis.

Inhalation - can cause irritation, dizziness, nausea, fatigue, headache and unconsciousness or asphyxiation.

Ingestion - can cause gastrointestinal irritation, nausea, vomiting, and diarrhea.

## EMERGENCY AND FIRST AID:

Skin - wash with soap and water.

Eyes - flush with copious amounts of water, get medical attention.

Ingestion - do not induce vomiting, keep warm, get medical attention.

SECTION VII - PRECAUTIONS FOR SAFE HANDLING AND USE

## Steps To Be Taken in Case Material is Released for Spilled:

Clean spill with absorbent material

Eliminate ignition sources

Do not store oily materials in enclosed containers for long periods of time

Wear gloves, goggles and gas mask if TWA's are exceeded.

## Waste Disposal Methods:

Dispose of waste in a chemical landfill as approved by current local, state and federal laws and regulations.

## Precautions to be Taken in Handling and Storing:

Protect from physical damage. Store in a cool, dry, ventilated area away from acids, alkalis, and open flames.

## Other Precautions:

None

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SECTION VIII - CONTROL MEASURES

Respiratory Protection:

Use NIOSH approved organic respirator if TWA/TLV limits are exceeded.

Ventilation:

Local Exhaust -

Use to maintain levels below TWA limits.

Mechanical -

Use non sparking equipment.

Special:

None

Other:

None

Protective Gloves:

Chemical resistant gloves

Eye Protection:

Wear safety glasses or goggles

Other Protective Equipment or Practices:

None

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**INFORMATION ON THIS FORM IS FURNISHED SOLELY FOR THE PURPOSE OF COMPLIANCE WITH OSHA'S HAZARD COMMUNICATION STANDARD, 29CFR 1910.1200 AND SHALL NOT BE USED FOR ANY OTHER PURPOSE.**

**(SIMILAR TO OSHA FORM 174)**

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