

Balkamp Anti-Seize Lubricant (High Temp) .5PT

MATERIAL SAFETY DATA SHEET

Effective Date: none Revision Date: none

Balkamp Anti-Seize Lubricant (High Temp) .5PT

Code: LOC Page: 1

Section 1 - Product and Company Identification

PRODUCT NAME: Balkamp Anti-Seize Lubricant (High Temp) .5PT

MANUFACTURER'S NAME: EMERGENCY TELEPHONE NUMBER

Loctite Corporation (203)571-5100

Rocky Hill, CT 06067 MISCELLANEOUS INFORMATION

Section 2 - Hazardous Ingredients

Ingredients CAS No. %

- Mineral oil 64742-52-5 40-50
- COPPER\* 7440-50-8 10-15
- GAS OIL 64741-44-2 10-15
- ALUMINUM 7429-90-5 5-10
- Mineral oil, petroleum distillates 64742-53-6 0-10
- Graphite 7782-42-5 1-3
- Lithium soap 7620-77-1 1-3
- SILICA, AMORPHOUS, precipitated 112926-00-8 1-3

\* This component is listed as a SARA Section 313 Toxic Chemical.

Ingredients which have exposure limits

Exposure Limits (TWA) ACGIH OSHA OTHER  
Ingredients (TLV) (PEL)

Mineral oil 5 mg/m3 mist 5 mg/m3 mist 5 mg/m3 mist

COPPER 1 mg/m<sup>3</sup> dust 1 mg/m<sup>3</sup> dust None  
GAS OIL 5mg/m<sup>3</sup> TWA mist 5mg/m<sup>3</sup> TWA mist None  
ALUMINUM 10 mg/m<sup>3</sup> dust 15 mg/m<sup>3</sup> dust None  
5 mg/m<sup>3</sup> respir.  
Mineral oil, petroleum  
distillates 5 mg/m<sup>3</sup> mist 5 mg/m<sup>3</sup> mist None  
Graphite 2.5 mg/m<sup>3</sup> dust, 2.5 mg/m<sup>3</sup> dust, None  
respirable respirable  
SILICA, AMORPHOUS,  
precipitated 10 mg/m<sup>3</sup> TWA 6 mg/m<sup>3</sup> TWA None

Exposure Limits (STEL) ACGIH OSHA  
Ingredients (TLV) (PEL)

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Mineral oil 10 mg/m<sup>3</sup> mist None  
GAS OIL 10 mg/m<sup>3</sup> mist None  
Mineral oil, petroleum  
distillates 10 mg/m<sup>3</sup> mist None

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Section 3 - Hazards Identification

Toxicity: May irritate eyes or skin. Vapors or direct contact may irritate or burn nose and throat.  
Swallowing may irritate digestive tract and cause nervous system depression.  
Prolonged skin contact with copper may cause sensitization dermatitis. Copper dusts and mists are eye and mucous membrane irritants and skin sensitizers. Swallowing copper compounds may cause vomiting and collapse.  
Target organs include respiratory system, nasal septum, skin, eyes, gastrointestinal system, kidneys, liver, and cardiovascular system.  
Primary Routes of Entry: Ingestion, inhalation, skin and eye contact.  
Signs and symptoms  
of Exposure: May cause skin or eye irritation with prolonged or repeated contact.  
Metal-fume fever, metallic taste, discoloration

of skin or hair may indicate exposure to copper.  
Hemolysis, jaundice, anuria, hypotension, and convulsions may indicate acute copper poisoning.

Existing Conditions

Aggravated by Exposure: Graphite powder: emphysema, asthma, and other respiratory problems.

Literature Referenced Carcinogen

Ingredients Target Organ and Other Health Effects NTP IARC  
OSHA

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Mineral oil IRR NO NO NO  
COPPER BLO CNS GAS IMM IRR KID LIV MUT NO NO NO  
SEN SKI  
GAS OIL No Data NO NO NO  
ALUMINUM IRR LUN NO NO NO  
Mineral oil, petroleum  
distillates IRR NO NO NO  
Graphite LUN NO NO NO  
Lithium soap No Data NO NO NO  
SILICA, AMORPHOUS,  
precipitated NUI NO NO NO  
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Abbreviations

BLO Blood CNS Central nervous system  
GAS Gastrointestinal IMM Immune system  
IRR Irritant KID Kidney  
LIV Liver LUN Lung  
MUT Mutagen NUI Nuisance dust  
SEN Sensory SKI Skin

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Section 4 - First Aid Measures

Ingestion: Do not induce vomiting. Keep individual calm.  
Obtain medical attention.  
Inhalation: Oil mist: Remove to fresh air. If symptoms

persist, obtain medical attention.  
Skin Contact: Flush with water.  
Eye Contact: Flush at least 15 minutes with water. Obtain medical attention.

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Section 5 - Firefighting Measures

Flash Point: None Method: Tag Closed Cup  
Recommended  
Extinguishing Agents: Carbon dioxide, foam, dry chemical  
Hazardous Products formed  
by Fire or Thermal Decomp Metal vapors, oxides of carbon, nitrogen, barium, zinc, sulfur; hydrogen sulfide.  
Unusual Fire or  
Explosion Hazards: None

Explosive Limits:  
(% by volume in air)Lower 30% Aluminum metal  
1% Gas oil  
(% by volume in air)Upper Unknown Aluminum metal  
7% Gas oil

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Section 6 - Environmental Release Measures

Steps to be taken in case  
of spill or leak: Remove sources of ignition. Take up with an inert absorbent. Store in a closed container until disposal.

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Section 7 - Handling and Storage

Safe Storage: Keep away from sources of ignition and hot surfaces.  
  
(Contact Loctite Customer Service 1-800-243-4874 for shelf Life information)

Handling: Keep away from eyes. Avoid prolonged skin contact.  
Avoid prolonged breathing of vapors.

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Section 8 - Exposure Controls/Personal Protection

Eyes: Safety glasses or goggles.  
Skin: Neoprene or oil resistant plastic gloves.  
Ventilation: Provide adequate local ventilation to maintain vapor concentration below TLV if misting of oil occurs or compound becomes dry.  
See Section 2 for Exposure Limits.

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Section 9 - Physical and Chemical Properties

Appearance: Grey grease  
Odor: Petroleum  
Boiling Point: More than 500 Deg. F  
pH: Does not apply  
Solubility in Water: Nil  
Specific Gravity 1.06  
Volatile Organic Compound  
(EPA Method 24) 13.2%; 140 grams per liter  
Vapor Pressure: Less than 5mm at 80 Deg. F  
Vapor Density: Approximately 2.9  
Evaporation Rate  
(Ether = 1) Not available

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Section 10 - Stability and Reactivity

Stability: Stable  
Hazardous Polymerization: Will not occur  
Incompatibility: Strong oxidizers, alkalis, mineral acids, selected amines.  
Hazardous Decomposition  
Products (non-thermal): Noxious carbon compounds, hydrogen.

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Section 11 - Toxicological Information

See Section 3.

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Section 12 - Ecological Information

No data available

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Section 13 - Disposal Considerations

Recommended methods of disposal: Incinerate following EPA and local regulations.  
Do not incinerate pressurized cans.

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Section 14 - Transport Information

DOT (49 CFR 172)  
Domestic Ground Transport  
Proper Shipping Name: Unrestricted  
Hazard Class or  
Division: Unrestricted  
Identification Number: None  
Marine Pollutant: None  
IATA  
Proper Shipping Name: Unrestricted  
Class or Division: Unrestricted  
UN or ID Number: None

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Section 15 - Regulatory Information

CA Proposition 65: No Proposition 65 chemicals are known to be present.

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Section 16 - Other Information

Estimated NFPA(R) Code:

Health Hazard: 1

Fire Hazard: 1

Reactivity Hazard: 1

Specific Hazard: Does not apply

Estimated HMIS(R) Code:

Health Hazard: 1

Flammability Hazard: 1

Reactivity Hazards: 1

Personal Protection: See Section 8.

NFPA is a registered trademark of the National Fire Protection Assn.

HMIS is a registered trademark of the National Paint and Coatings Assn.

Prepared By: Stephen Repetto

Title: Research Chemist, Environmental Health & Safety

Company: Loctite Corp., 1001 Tr Br Cr, Rocky Hill CT 06067

(24hr.) Phone: (860) 571-5100

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