

HEALTH: 1
FLAMMABILITY: 1
REACTIVITY: 1

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

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MATERIAL SAFETY DATA SHEET

Effective Date: none Revision Date: none
Balkamp Anti-Seize Lubricant (High Temp) .5PT
Code: LOC Page: 1

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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

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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/m3 dust 1 mg/m3 dust None
GAS OIL 5mg/m3 TWA mist 5mg/m3 TWA mist None
ALUMINUM 10 mg/m3 dust 15 mg/m3 dust None
5 mg/m3 respir.
Mineral oil, petroleum
distillates 5 mg/m3 mist 5 mg/m3 mist None
Graphite 2.5 mg/m3 dust, 2.5 mg/m3 dust, None
respirable respirable
SILICA, AMORPHOUS,
precipitated 10 mg/m3 TWA 6 mg/m3 TWA None

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

Mineral oil 10 mg/m3 mist None
GAS OIL 10 mg/m3 mist None
Mineral oil, petroleum
distillates 10 mg/m3 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

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

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

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.

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.

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

Section 10 - Stability and Reactivity

Stability: Stable
Hazardous Polymerization: Will not occur
Incompatibility: Strong oxidizers, alkalies, 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.

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