

MATERIAL SAFETY DATA SHEET

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SECTION 1 IDENTITY

Molybdenum Grease (BP)

SECTION 2 COMPOSITION/INFORMATION ON INGREDIENTS

Mixture products

Ingredients and components

Base oil, Thickener(Lithium compound) and Additives(Molybdenum disulfide and so on)

UN classification and UN number: Not applicable

It is not designated as a hazardous material under the Japanese fire defense law.

SECTION 3 HAZARDS IDENTIFICATION

Class name of hazardous chemicals for SDS in Japan: NA

SECTION 4 FRIST AID MEASURE

EYE CONTACT

Rinse a contaminated eye with plenty of clean water for 15min or more immediately and seek a medical advice.

SKIN CONTACT

Flush an affected area under running water with soap for 15min or more.

INHALATION

Remove an affected person to the fresh air. Seek a medical advice if symptom persists.

INGESTION

Do not induce vomiting and seek a medical advice immediately.

SECTION 5 FIRE FIGHTING MEASURE

FIRE FIGHTING

Fire fighters should wear self-contained breathing apparatus with full face piece operated in positive pressure mode.

EXTINGUISH MEDIA

Carbon dioxide, Foam, Dry chemical

Don't use hose water.

SECTION 6 ACCIDENTAL RELEASE MEASURE

Eliminate all sources of ignition. Absorb spill with inert materials (e.g., dry sand or earth), and then place in a chemical waste container with covers for disposal, using non-sparking tools.

SECTION 7**HANDLING AND STORAGE**

Conform to all regulations in your country and take heed of the points as follows

HANDLING

Avoid direct contact with skin or eyes. Use in well-ventilated area

Wash your hands, and gargle sufficiently after use.

STORAGE

Should be kept tightly sealed and stored in doors out of sunlight.

Keep away from sources of heat, open flames, and sparks. Avoid long storage periods since the product degrades with age.

SECTION 8**EXPOSURE CONTROLS AND PERSONAL PROTECTION**

OCCUPATIONAL EXPOSURE LIMIT ACGIH: TWA 5mg/m³ (as oil mist)

ENGINEERING CONTROLS

Do not use in a place without adequate ventilation.

PERSONEL PROTECTIVE EQUIPMENT

Protective gloves: Wear impervious gloves in case of repeated or prolonged contact.

Protective glasses: Wear protective glasses or chemical safety goggles if oil mist generated.

Protective clothes: Wear impervious working clothes such as butyl rubber when repeated or prolonged contact.

SECTION 9**PHYSICAL/CHEMICAL PROPERTIES**

Appearance: Black, butter like, mild hydrocarbon odor

Volatility: Nonvolatility

Density: 0.92g/cm³ (15°C)

Solubility in water: Negligible

Dropping point: 194°C(381F)

Boiling point: NA

SECTION10**STABILITY/REACTIVITY**

Flash point: 217°C(423F)

Explosion limit: 1~7%

Storage stability: this product is stable under normal storage.

Decomposition Products: Carbon oxides, Sulfur oxides, etc

Polymerization: will not occur

Avoid contact with strong oxidizing agents, strong alkali, strong acid, halogen materials.

SECTION11**TOXICOLOGICAL INFORMATION**

Irrelativeness (Skin, Eye): Repeated or prolonged contact can cause skin irritation.

If contact with eyes, it will cause eye irritation.

Acute Toxicity: Dermal LD₅₀ >5.0g/kg(Rabbit) OSHA:Non-Toxic Based on components(s)

Oral LD₅₀ >5.0g/kg(Rat) OSHA:Non-Toxic Based on components(s)

SECTION12 ECOLOGICAL INFORMATION

Decomposition: No data

Accumulation : No data

Marine toxicity: No data

SECTION13 DISPOSAL CONDITIONS

Conform to all applicable laws in your country

Waste must be disposed of in conformity to federal, state and local environment control regulations.

SECTION14 TRANSPORT INFORMATION

Conform to all applicable laws and regulations in your country.

Keep away from oxidizing materials and source of ignition.

Japan Fire Protection law: Restricted ignitable substance

UN Recommendations on the Transport of dangerous goods: Non-dangerous substance

SECTION15 REGULATORY INFORMATION

Follow all applicable laws and regulations in your country.

SECTION16 OTHER INFORMATION/REFERENCE

1. ITRC "Monographs on the evaluation of the carcinogenic risk of chemicals to humans. Volume33"
 2. "Guide to preparing Material Safety Data Sheet", Japan chemical and industry society.
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NOTICE TO READER

The MSDS is made on assumption that the product is in ordinary use and does not relate to use in combination with any other material or any process. This MSDS isn't considered a guarantee or warranty of the product's properties. MSDS is offered to users for reference as to dangerous and harmful chemicals. Users should take all necessary steps to fulfill the demands set out in the local rules and legislations under their responsibility.

Users should handle with this product depend on the conditions.

MSDS may be made alternation in by new knowledge.