

SAFETY DATA SHEET (SDS)

MAY.7, 2024

1. PRODUCT AND COMPANY IDENTIFICATION

Product Name : Initial molybdenum grease

Product Number : M-GSMOS500

Product Use : Lubricating Grease

Supplier/Manufacturer : MISUMI Corporation

Kudan Kaikan Terrace, 1-6-5 Kudan-Minami,

Chiyoda-ku, Tokyo 102-8583, Japan

PHONE: 03-6777-7575

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2. HAZARDS IDENTIFICATION

GHS Classification : Not applicable to classification criteria

Skin corrosive Irritation : N/A

Symbol : N/A

Signal word : N/A

Hazard information : N/A

Note

【Safety measure】 Do not handle until you have read and understood all safety precautions (SDS, etc.). Wash hands thoroughly after handling.

3. CONPOSITION/INFORMATION ON INGREDIENTS

Substance/mixture	Mixture	
Component	By Weight%	CAS Number
Refined mineral oil	90.0	64742-62-7
Molybdenum disulfide	6.0	1317-33-5
Oxidation stabilizer	4.0	7631-86-9
Chemical formula or Structural formula	: cannot be identified	
Official Gazette notice reference number	: trade secret	
Hazardous ingredients	: N/A	
PRTR Law	: Type 1-No. 346	
	Molybdenum sulfide (6.0%)	
Industrial Safety and Health Act	: N/A	
Toxic and Deleterious Substances Control Law	: N/A	

4. FIRST AID MEASURES

If inhaled : Move to a place with fresh air. Cover the body with a blanket, keep warm and rest, and seek medical attention if necessary.

Skin : Wash thoroughly with mild soap and water.

Eyes : Flush eyes, including under the eyelids, with large amount of water. If irritation persist, seek medical Attention.

Ingestion : Give copious amount of water or preferably milk and seek medical attention.

If swallowed : If accidentally swallowed, do not force vomiting, have the person gargle, and seek medical attention.

5. Measures in case of fire

Extinguishing media:

1. Mist of reinforced liquid, foam, powder, or carbon dioxide gas extinguishing agents are effective.
2. For initial fires, use powder or carbon dioxide extinguishing agents.
3. In the event of a large-scale fire, it is effective to use fire extinguishing foam to block the air.

Extinguishing media that should not be used:

Do not use sticks of water. It may spread the fire and be dangerous.

Specific hazards in case of fire: There is currently no useful information.

Specific fire extinguishing methods:

1. Cut off the source of combustion.
2. Sprinkle water on surrounding equipment to cool it down.
3. Prohibit anyone other than those involved from entering the area around the location of the fire.

Protection of fire extinguishers:

When extinguishing a fire, always work from the windward side and always wear protective equipment.

6. ACCIDENTAL RELEASE MEASURES

Precautions for human body: Wear fire protection equipment when working.

Environmental precautions: Be careful not to release it into rivers, sewers, etc.

How to remove:

1. Promptly remove nearby sources of cargo.
2. If it is a small amount, collect it by absorbing it with earth and sand, waste cloth, etc., and then wipe it off completely.

Measures to prevent secondary disasters:

1. In the event of a leak, for the purpose of preventing accidents and preventing their spread,
2. Eliminate surrounding ignition sources.

7. HANDLING AND STORAGE

Handling:

Technical countermeasures

1. Avoid contact with flames, sparks, or high-temperature objects, and do not unnecessarily release steam.
2. Take measures against static electricity and use conductive work clothes, shoes, etc.
3. Wear protective equipment if there is a possibility of skin contact or eye contact.
4. Be sure to keep the container tightly closed.

Notes:

1. Handle at room temperature, and be careful not to let moisture or foreign substances get mixed in.
2. Be careful not to come into contact with halogens, strong acids, alkalis, and oxidizing substances.

storage:

Appropriate storage conditions:

1. Avoid direct sunlight and store in a well-ventilated place.
2. Avoid heat, spark, flame and static electricity build-up.

Appropriate technical measures:

- Electrical equipment used in storage areas should be of explosion-proof construction, and equipment should be grounded.

Notes: Avoid contact with halogens, strong acids, alkalis, and oxidizing substances, and avoid storage in the same location.

Safe packaging materials: Do not apply pressure to empty containers. If pressure is applied, they may burst.

8. EXPOSURE CONTROLS /PERSONAL PROTECTION

Respiratory Protection : No special requirements.
Ventilation : No special requirements.
Protective Glove : Oil-resistant glove.
Eye Protection : Chemical workers goggles(Nitrile or PVC)
Wear : Long sleeve clothing.

9. PHYSICAL AND CHEMICAL PROPERTIES

Appearance : Half individual
Color : Black gray
Odor : Mild

Specific temperature/temperature range at which the physical state changes

Freezing point : No data
Decomposition temperature : No data
Flash point : 200°C or less
Ignition point : No data
Explosive properties : No data
Vapor density : No data
Specific gravity : 0.95(25°C)
Solubility : Solubility in water: insoluble
Viscosity : #2(NLGI)

Other data

Volatility: None
Pour point: No data

10. STABILITY AND REACTIVITY

Stability : Stable under normal conditions.
Reactivity : Avoid contact with strong oxidizing agents.
Conditions to avoid : Be careful not to come into contact with halogens, strong acids, alkalis, or oxidizing substances.
Materials to avoid : No useful information available at this time.
Hazardous decomposition products : Gas is generated when used in an environment of 400°C or higher.
Others : No useful information available at this time.

11. TOXICOLOGICAL INFORMATION

Toxicological

Information : No experimental toxicological data on the preparation as
Such is available.

12. ECOLOGICAL INFORMATION

Ecological

Information : No data on possible environmental effects have been found.

13. DISPOSAL CONSIDERATION

Disposal

Methods : Spilled material, unused contents and empty containers must be
disposed of in accordance with local, state and federal regulations.

14. TRANSEPORT INFORMATION

DOT Hazard Class : Not Regulated

SEA Transport : Not Regulated

AIR Transport : Not Regulated

15. REGULATORY INFORMATION

US Federal Regulations : Clean air act

SARA Hazard Categories : None

Regulatory Status : Not a controlled product

16. OTHER INFORMATION

All reasonable care has been taken in the preparation of the information
contained herein, the manufacturer extend no warranties, makes no
makes representation and assumes no responsibility as to the accuracy
or suitability of such information for application to purchaser's intended purposes
or for consequences of its use.