SAFETY DATA SHEET

Revision Date: 28/03/2019

1. PRODUCT AND COMPANY IDENTIFICATION

Product Name: M-GSEPV50
Product Use: Lubricating Grease
Company: MISUMI Corporation
Identification: Iidabashi First Bldg., 5-1, Koraku 2-chome, Bunkyo-ku, Tokyo 112-8583, Japan
TEL +81-3-5805-7190 / FAX +81-3-58057191
Administrative Number: M-GSEPV1001125-2

2. Hazard Identification

GHS Classification: Not applicable
Skin Corrosive / Irritation: Nothing
GHS Label Elements
Symbols/Pictograms: Nothing
Signal Word: Nothing
Hazardous Information: Nothing
Instructions
Precaution: Comprehend safety precaution before using this product.
Wash hand thoroughly water after using this product.

3. COMPOSITION / INFORMATION ON INGREDIENTS

Substance/Mixture: Mixture
Common Names of Chemical Substances: Fluorine grease

<table>
<thead>
<tr>
<th>Component</th>
<th>% By Weight</th>
<th>CAS Number</th>
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</thead>
<tbody>
<tr>
<td>Perfluoropolyether</td>
<td>90.0</td>
<td>113114-19-5</td>
</tr>
<tr>
<td>Polytetrafluoroethylene</td>
<td>8.0</td>
<td>9002-84-0</td>
</tr>
<tr>
<td>Etc.</td>
<td>2.0</td>
<td>--------------</td>
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</tbody>
</table>

Japanese Regulations
Pollutant Release and Transfer Register Law: Not Applicable
Industrial Safety and Health Law: Not Applicable
Poisonous and Deleterious Substances Control Act: Not Applicable
4. FIRST-AID MEASURES

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

Skin: Wash thoroughly with mild soap and water. If irritation persists, seek medical attention.

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

Inhalation: Remove to fresh air. Seek medical attention if symptoms persist.

5. FIRE FIGHTING MEASURES

Suitable extinguishing agents: Foam, carbon dioxide or dry powder.

Unsuitable extinguishing agents: Water jet

Special fire-fighting procedures: Cut off combustion source to the fire and extinguish it using a fire extinguishing agent.

   Also, cool down nearby tanks, building, etc., using a water spray to prevent the fire is forming & spreading.

Advice for firefighters: Extinguish the fire fore windward and wear a respirator as necessary.

6. ACCIDENTAL RELEASE MEASURES

In case of small amount of leakage, collect it in an empty container by absorbing with earth or sand and wash off the remains with a large amount of water.

In case of large amount of leakage, prevent it from flowing with earth or sand, lead it to a safe place, cover the surface with form, etc.

And if possible, collect it in a container. Wash off the remains with large amounts of water.

In this case, make sure that it should not be brained to a river etc. and wear a protective equipment as necessary.

To prevent secondary disaster, notify related organization.

7. HANDLING AND STORAGE

Handling: Shut off all sources of ignition.

   Avoid spilling body, and Wear a protective equipment as necessary.

   Prevent build-up electrostatic discharge.

Storage: Store in tightly closed original container in a dry and cool place, and avoid direct sunlight.

   Do not store Halogens, Strong acid, Alkali, Oxidizing substance in the same place with this product.

8. EXPOSURE CONTROLS / PERSONAL PROTECTION

Control value: Not established
Adopted value: Japan Society for Occupational Health (2005) 3mg/m³ (as Mineral oil mist)
ACGIH (2004) TLV-TWA: 5mg/m³

Personal Protective equipment
Respiratory Protection: Industrial canister gas masks as necessary
Hand Protection: Oil-resistant glove (PVC etc.)
Eye Protection: Chemical workers goggles.
Wear: Long sleeve clothing.
Special protection information: Use only in well-ventilated area.
Specific hygiene measures: Take off wet-clothes, and reuse after washing.

9. PHYSICAL AND CHEMICAL PROPERTIES
Appearance and Odor: White / Paste / faint odor
pH: N/A
Freezing point: N/A
Resolution temperature: N/A
Flashpoint: above 260°C
Auto-ignition temperature: above 260°C
Explosivity: N/A
Vapor density (Air=1): N/A
Specific Gravity: 2.0 (25°C)
Solubility: Insoluble in water / Soluble in Fluorinated solvent
Viscosity: #2 (NLGI)
Volatile: Nothing
Flammability: Nothing

10. STABILITY AND REACTIVITY
Chemical stability: Stable under normal condition
Reactivity: Resolve speedy above 400°C
Conditions to avoid: Avoid Halogens, Strong acid, Alkali, Oxidizing substance
Possibility of hazardous reactions: Generate gas above 400°C

11. TOXICOLOGICAL INFORMATION
Acute toxicity
Oral (LD50) Rat: more than 5g/kg (Estimated of referring to Mineral oil which is similar substances)
Skin (LD50) Rat: more than 5g/kg (Estimated of referring to Mineral oil which is similar substances)
Inhalation (steam): N/A
Inhalation (Mist): (LD50) Rat 2.18mg/L (Estimated of referring to Similar substances: Mineral oil)
Skin corrosive / irritation: N/A
Serious eyes damage / Eyes irritation: N/A
Respiratory organs sensitization and skin sensitization: N/A  
Original generative cell variation: N/A  
Carcinogenicity: N/A  
Reproduction toxicity: N/A  
Specification target internal organs / whole toxicity: N/A

12. ECOLOGICAL INFORMATION  
Aquatic environmental toxicity (acute): N/A  
Aquatic environmental toxicity (chronic): N/A

13. DISPOSAL CONSIDERATIONS  
Residues: Disposal should be in accordance with applicable regional, national and local laws and regulations.  
Consult Waste Management Authority for dispose of contents/container.

14. TRANSPORT INFORMATION  
International restriction  
• UN CLASS: Not applicable  
• UN Number: Not applicable  
Domestic restriction: Follow all regulation in your country.  
• DOT Hazard Class: Not Regulated  
• SEA Transport: Not Regulated  
• AIR Transport: Not Regulated (including IATA)

15. REGULATORY INFORMATION  
Japanese Regulations  
• Fire and Disaster Management Act: Not Regulated as Hazardous Materials  
• PRTR: Not Regulated  
• Law Relating to the Prevention of Marine Pollution and Maritime Disaster: Emission regulation of Oil (Banned in principle)  
• Sewerage Act: Emission regulation of Mineral Oil (5mg/L)  
• Water Pollution Prevention Act: Emission regulation of Oil (Adopted value 5mg/L)  
• Waste Management and Public Cleansing Act: Industrial waste regulations

16. OTHER INFORMATION  
This information only concerns the above-mentioned product and does not need to be valid if used with others or in any process. The information is to our best present knowledge correct and complete and is given in good faith but without warranty. It remains user owns responsibility to make sure that the information is appropriate and complete for his special use of this product.