
4. FIRST-AID MEASURES

IF INHALED	: Remove victim to fresh air. Get medical advice/attention.
IF ON SKIN	: Wash the affected area with soap and water.
IF IN EYES	: Flush eyes with plenty of water, and get medical advice /attention.
IF SWALLOWED	: Do not induce vomiting. Get medical advice/attention. If a mouth is polluted, wash it with plenty of water.
MOST IMPORTANT SYMPTOM	: No data available
PROTECTION OF PERSON	
GIVE FIRST-AID	: No data available
SPECIAL NOTE TO DOCTOR	: No data available

5. FIRE-FIGHTING MEASURES

EXTINGUISHING MEDIA	: Use spray foam, foam, powder or CO ₂ gas extinguishing media.
FIRST FIRE	: Use powder or CO ₂ gas extinguishing media.
LARGE-SCALE FIRE	: Use foam extinguishing media.
UNSUITABLE EXTINGUISHING MEDIA	: Prohibit rod-shaped water injection.
PECULIAR HAZARD STATEMENT	: No data available
PECULIAR EXTINCTION METHOD	: Cut off combustion source of fire. : Sprinkle water to equipment to cool. : Prohibit to enter to the scene of a fire except staff.
PROTECTION OF THE PERSON	
EXTINGUISHES FIRE	: Extinguish fire on the windward side of the fire and not fail to wear protector.

6. ACCIDENTAL RELEASE MEASURES

PERSONAL PRECAUTIONS	: Always wear protective equipment when working.
ENVIRONMENTAL PRECAUTIONS	: Take care not to be drained into river and drain. : If the medicine is used for the sea, it should be what suits the standard in the technology that provides by the transportation ministerial ordinance.
METHODS FOR CONTAINMENT AND CLEANING UP	: Remove source of a fire.
SMALL QUANTITY	: Remove with a spatula or shovel, or absorb with soil, sand or a cloth. Wipe off remainder with a cloth.
LARGE QUANTITY	: Prevent access by roping off the perimeter around the leak. Prevent the spilling grease from spreading with soil and sand. After draining off to a safety area, collect as much as possible into an empty container.
AT SEA	: Prevent dispersion by creating an oil fence. Scoop up or use adsorption mats to soak up. When chemicals are used, these must comply with technological standards as set down in ministry of transport ordinances.
PREVENTION MEASURE OF SECOND DISASTER	: Inform promptly a related organization to attempt prevention and the expansion prevention of the accident when leaking. : Remove source of a fire and prepare extinguishing media.

7. HANDLING AND STORAGE

HANDLING

TECHNICAL MESURES

- : Avoid contact with flame, sparks and heated objects. Do not allow unnecessary dispersion of vapor.
- : Take steps to prevent static electricity, and use conductive work clothes and shoes.
- : Remove completely it in the safety area, if the mechanical equipment are repaired and are processed.
- : Wear protector, if there is possibility of skin contact or eye contact.
- : Avoid inhalation of vapor or mist.
- : Containers must be sealed.

NOTES

- : The vapor from petroleum products builds up easily as it is heavier than air. It is therefore necessary to ensure adequate ventilation and take care with fire.

NOTES OF SAFE HANDLING

- : Handling should be done at room temperature. Prevent contamination of water and impurities.
- : Avoid contact with halogens, strong acids, alkaline substances and oxidants.

STORAGE

- : Protect from sunlight. Store in a well-ventilated place.
 - : Avoid heat, sparks, flames and any build-up of static electricity.
 - : Electrical equipment used in the storage area must have a non-explosive structure, and devices must be earthed.
 - : Avoid contact and storing with halogens, strong acids, alkaline substances and oxidants.
 - : Do not apply pressure to empty containers.
 - : Don't cut, weld, heat, or make the hole the container. Traces might ignite attended with the explosion.
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8. EXPOSURE CONTROLS/PERSONAL PROTECTION

EQUIPMENT MESURES

- : If the vapor arises, ventilation equipment or closing of vapor source is needed.
- : The equipment for washing and the body washing of eyes is set up near the handling area.

MANAGEMENT CONCENTRAITON ALLOWABLE CONCENTRATION

- : Not established
- : Japan Society for Occupational Health(2013)
3mg/m³ (as mist of mineral oil)
- : ACGIH (2013)
TWA : 5mg/m³ (as mist of mineral oil)

PROTECTION

RESPIRATORY PROTECTION

- : If necessary, wear hazard mask.

HAND PROTECTION

- : Wear the resistance to oil if coming in contact repeating for a long term.

EYE PROTECTION

- : Wear safety glasses with side shields.

SKIN PROTECTION

- : When contacting for a long time or repeatedly, wear oil resistant ones.

APPROPRIATE SANITARY REQUIREMENT

- : Remove dirty clothes, wash completely and reuse.

9. PHYSICAL AND CHEMICAL PROPERTIES

APPEARANCE	: Semisolid
COLOR	: Light brown
ODOR	: Slightly odor
p H	: No data
MELTING POINT/FREEZING POINT	: No data
INITIAL BOILING POINT	
AND BOILING	: No data
FLASH POINT	: Over 200°C (SETA)
UPPER/LOWER FLAMMABILITY	
OR EXPLOSIVE LIMITS	: Upper : 7wt% lower : 1wt% (Base oil)
VAPOR PRESSURE	: No data
VAPOR density	: No data
RELATIVE DENSITY	
(WATER=1)	: Approx. 1.0
SOLUBILITY	: Water : Insoluble
	Other solvent : Insoluble
AUTO-IGNITION TEMPERATURE	: No data
DECOMPOSITION TEMPERATURE	: No data
VISCOSITY	: No data

10. STABILITY AND REACTIVITY

STABILITY	: Stability at room temperature
POSSIBILITY OF HAZARDOUS	
REACTIONS	: No reaction with water
CONDITIONS TO AVOID	: Heating, high temperature, and contact hazardous material
INCOMPATIBLE MATERIALS	: Avoid contact with halogens, strong acids, alkaline substances and oxidants.
HAZARDOUS DECOMPOSITION	
PRODUCTS	: No data available
OTHER	: No data available

11. TOXICOLOGICAL INFORMATION

ACUTE TOXICITY	: Oral : No data
	Inhalation(vapor) : No data
	Inhalation(mist) : No data
SKIN CORROSION/IRRITATION	: No data available
SERIOUS EYE DAMAGE/	
IRRITATION	: No data available
RESPIRATORY OR SKIN	
SENSITIZATION	: No data
GERM CELL MUTAGENICITY	: No data available
CARCINOGENICITY	MINERAL OIL : IARC : Group 3
	SYNTHETIC OIL : IARC, OSHA, NTP, EU, EPA, ACGIH Not established
	THICKNER : No data available
	ADDITIVE : No data available
REPRODUCTIVE TOXICITY	: No data available
STOT-single exposure	: No data available
STOT-repeated exposure	: No data available
ASPIRATION HAZARD	: It contains not less than 10% of mineral oil, but it does not correspond to a mixture having a kinematic viscosity of 20.5 mm ² / s (40 ° C) or lower.

12. ECOLOGICAL INFORMATION

TOXICITY	FISH	: No data available
	OTHERS	: No data available
PERSISTENCE/DEGRADABILITY		: No data available
BIOACCUMULATIVE POTENTIAL		: No data available
MOBILITY IN SOIL		: No data available
OTHER ADVERSE EFFECTS		: No data available

13. DISPOSAL CONSIDERATIONS

WASTE DISPOSAL METHOD : Consider disposal via licensed waste disposal company. Scrap may be incinerated under properly controlled condition. Follow all regulations in your country.

14. TRANSPORT INFORMATION

Not classified as dangerous in all means of transport regulations, including air, sea and land.

INTERNATIONAL REGULATIONS

FOR TRANSPORT	: Not regulated (Not dangerous)
UN CLASS	: Not applicable
UN NUMBER	: Not applicable
PRODUCT NAME	: Not applicable
CONTAINER GRADE	: Not applicable

SEAWATER POLLUTION MATERIAL : None

SPECIFIC SECURITY PRECAUTION

AND CONDITION OF TRANSPORTATION : Transport the container so that it does not cause significant friction or shaking.

15. REGULATORY INFORMATION

Ensure this material in compliance with nation's requirements, and ensure conformity to local regulation.

16. OTHER INFORMATION

Please read the SDS well before use.

SAFETY DATA SHEETS ARE ISSUED BASED ON THE LATEST INFORMATION WE HAVE KNOWN.

HOWEVER, THESE ARE NOT THE ONE TO INSURE SAFETY.

THESE ARE PROVIDED TO COMPANIES HANDLING THE MATERIALS AS REFERENCE INFORMATION REGARDING HAZARDOUS AND HARMFUL CHEMICALS TO ENSURE SAFE HANDLING.

WE ASK THAT THESE SHEETS BE USED BY COMPANIES AS REFERENCE AND WITH THE UNDERSTANDING THAT IT IS NECESSARY FOR MEASURES APPROPRIATE TO THE SPECIFIC CIRCUMSTANCES RELATED TO HANDLING THE MATERIALS TO BE TAKEN UNDER THEIR OWN RESPONSIBILITY. ACCORDINGLY, THIS DATA SHEET IN NO WAY CONSTITUTES A GUARANTEE OF SAFETY.