

## MATERIAL SAFETY DATA SHEET

### 1. Product name and Company identification

<b>Product Name</b>	:	<b>EASTTO REFRIGERATION OILS 12, 22, 32, 46, 68, 100</b>
<b>Product Use</b>	:	Refrigeration oils
<b>Supplier</b>	:	Eastern Petroleum Pvt. Ltd 235-239, Jawahar industrial Estate, Kamothe, Panvel, Dist- Raigad, Maharashtra: 410209
<b>Telephone No</b>	:	91-22-2743 1694, 91-22-2743 3819.
<b>Email</b>	:	sales@easternpetroleum.in

### 2. Composition / Information of Ingredients

<b>Ingredient name</b>	<b>CAS Number</b>	<b>% by wt</b>
Mineral base oil	64742-65-0	98 - 100
Proprietary additives	Mixture	0 - 2

### 3. Hazards identification

	Non dangerous substance
<b>Physical state</b>	Liquid
<b>Human Health Effects</b>	
<b>Eyes</b>	Not expected to cause irritation
<b>Skin</b>	May cause mild skin irritation if prolonged used.
<b>Inhalation</b>	Not expected to cause any side effect while inhalation

### 4. First Aid Measures

<b>Inhalation</b>	If inhaled, remove to fresh air. Get medical attention if symptoms occur.
<b>Skin contact</b>	Immediately wash affected area with soap and water. Remove contaminated clothing and shoes. Get medical attentions if a symptom occurs.
<b>Eye contacts</b>	In case of contact immediately wash eyes with plenty of water.
<b>Ingestion</b>	Do not induce vomiting unless directed to do so by medical personnel. Never give anything by mouth to an unconscious person. If potentially dangerous quantities of this material have been swallowed, call a physician immediately. Get medical attention if symptoms occur.

### 5. Fire-fighting Measures

<b>Flammability of product</b>	Combustible liquid
<b>Extinguishing Media</b>	
<b>Suitable</b>	Use dry chemical, carbon dioxide (CO <sub>2</sub> ), or foam
<b>Not suitable</b>	Do not use water

### 6. Accidental Release Measures

<b>Personal precautions</b>	Wear suitable protection clothing and equipment. Remove contaminated clothes as soon as possible.
<b>Environmental precautions</b>	Prevent from spreading or entering into drains, ditches or rivers by using sand, earth or other appropriate barriers. Inform local authorities if this cannot be prevented. Pick up free liquid for recycling or disposal. The residual oil can be transferred to another container.

<b>Clean up method- small spillage</b>	Absorb liquid with sand or earth, sweep up and remove to a suitable, clearly marked container for disposal in accordance with local regulation.
<b>Clean up methods – large spillage</b>	Prevent from spreading by making a barrier with sand, earth or other containment material. Reclaim liquid directly or in an absorbent. Dispose of as for small spills.

## 7. Handling and Storage

<b>Handling</b>	Handle in accordance with good industrial hygiene and safety practices. If handled at elevated temperatures or with high speed mechanical equipment, vapors or mists might be released and require a well ventilated workplace.
<b>Storage</b>	Store at ambient temperature or with lowest necessary heating as required for ease of handling.

## 8. Exposure Controls / Personal Protection

<b>Control parameters</b>	Use under well ventilated areas
<b>Personal protection equipment</b>	
<b>Respiratory protection</b>	Avoid inhalation use suitable mask with filter if necessary.
<b>Hand protection</b>	Wear oil-resistant protective gloves if there is a risk of skin contact.
<b>Eye protection</b>	For eyes protection wear safety goggles.
<b>Skin and body protection</b>	Use protective cloths and gloves.
<b>Hygienic measures</b>	Act in accordance with good industrial Hygiene and safety practice.

## 9. Physical and Chemical Properties

CHARACTERISTICS	12	22	32	46	68	100
Physical state	Liquid	Liquid	Liquid	Liquid	Liquid	Liquid
Odour	Mild	Mild	Mild	Mild	Mild	Mild
Kinematic viscosity @ 40 °C, cst	12	22	32	46	68	100
Solubility in water	Insoluble	Insoluble	Insoluble	Insoluble	Insoluble	Insoluble
pH	N.A	N.A	N.A	N.A	N.A	N.A
Flash point °C	140	140	150	160	170	200

## 10. Stability and Reactivity

<b>Reactivity and stability</b>	Stable at normal conditions and decompose at higher temperature
<b>Conditions to avoid</b>	Excessive heating and highly oxidizing agents
<b>Hazardous decomposition products</b>	Hazardous decomposition products are not expected to form during normal storage
<b>Hazardous polymerization</b>	Under normal conditions of storage and use, polymerization will not occur

## 11. Toxicological Information

<b>Potential chronic health effects</b>	No known significant effects or critical hazards.
<b>Carcinogenicity</b>	

## 12. Ecological Information

<b>Environment effect:</b>	Will not have chronic effect on aquatic environment
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## 13. Disposal considerations

<b>Waste disposal procedure:</b>	Place contaminated materials in a disposable container and dispose of in accordance with Local, State environmental regulations and contact local environment and health authorities to get the permission for waste disposal.
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## 14. Transport Information

Not classified as hazardous for transport (DOT, TDG, IMO/IMDG, IATA/ICAO)



**Eastern Petroleum Pvt. Ltd.**

an ISO 9001-2008 certified company

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CIN NO: U24100MH1964PTC012931

**15. Regulatory Information**

Not classified as hazardous

**16. Other Information**

The information provided in this Safety Data Sheet is correct to the best of our knowledge, information, and belief at the date of its publication. The information given is designed as a guide for safe handling, use, processing, storage, transportation, disposal and release and is not to be considered as a warranty or quality specification. The information relates only to the specific material designated and may not be valid for such material in combination with any other materials or in any process, unless specified in the text.