**Safety Data Sheet**

## Section 1: Identification

**Product Name** **Hasco FM White Oil 70**

### Relevant identified uses of the substance or mixture

**Recommended use** Food Grade Lubricating Fluid

### Details of the supplier of the safety data sheet

**Manufacturer**

Hasco Oil Company Inc.
2800 Temple Ave
Long Beach, CA 90806
United States
www.hascooil.com

**Telephone (General)** (562) 595-8491

### Emergency telephone number **(800) 424-9300 - Chemtrec USA**

## Section 2: Hazard Identification

### UN GHS

**According to: UN Globally Harmonized System of Classification and Labelling of Chemicals (GHS)**

### Classification of the substance or mixture

**UN GHS Classification** Aspiration Hazard Category 1

### Label elements:

**Hazard symbol:**

**Signal Word** **DANGER**

**UN GHS Hazard Statement** May be fatal if swallowed and enters airways

### Precautionary statements

**Prevention:** Store locked up. Avoid breathing vapors or mist

**Response:** If swallowed: Immediately call a poison center or doctor/physician. Do NOT induce vomiting.

**Storage/Disposal:** Dispose of content and/or container in accordance with local, regional, national, and/or international regulations.

## Other hazards

Static accumulating material can become electrostatically charged even in bonded and grounded equipment. Sparks may ignite liquid and vapor. May cause flash fire or explosion. Keep away from heat/sparks/open flame/hot surfaces. No Smoking. Ground/Bond container and receiving equipment. These alone may be insufficient to remove static electricity.

## Other information

**NFPA**

# Section 3 - Composition/Information on Ingredients

## Substances

| Composition | | |
|---|---|---|
| **Chemical Name** | **Identifiers** | % |
| White Mineral Oil | **CAS:** 8042-47-5 | > 99.995% |
| Vitamin E | **CAS:** 10191-41-0 | < .005% |

# Section 4: First-Aid Measures

## Description of first aid measures

**Inhalation** First aid is not normally required. Avoid breathing vapors. If breathing difficulties develop, move away from source and seek medical attention.

**Skin** Cleanse affected area(s) thoroughly by washing with mild soap and water. If irritation or redness develops and persists, seek medical attention.

**Eye** If irritation or redness develops, move victim away from exposure and into fresh air. Flush eyes with clean water. Remove contact lenses, if present and easy to do. If symptoms persist, seek medical attention.

**Ingestion** If swallowed, immediately call a poison center or doctor. Do NOT induce vomiting.

## Most important symptoms and effects, both acute and delayed

Eyes: May cause slight irritation, tears and a burning sensation.
Skin: Causes mild irritation, potentially causing reddening, itching or inflammation.
Inhalation: Respiratory tract irritation may occur if exposed to fumes or mist.
Ingestion: Symptoms may include nausea, vomiting and diarrhea.
Aspiration into lungs may cause chemical pneumonia and lung damage

## Medical attention and Special treatment needed

Treat symptomatically

## Section 5: Fire-Fighting Measures

### Extinguishing media

**Suitable Extinguishing Media** Dry chemicals, carbon dioxide, foam, or water spray is recommended. Water or foam may cause frothing of materials heated above 212F. Carbon dioxide can displace oxygen. Use caution when applying carbon dioxide in confined spaces.

**Unsuitable Extinguishing Media** Do not use water jet

**Firefighting Procedures** No actions shall be taken involving any personal risk or without suitable training. Move containers from fire area if this can be done without risk. Use water spray to keep fire-exposed containers cool.

### Special hazards arising from the substance or mixture

**Unusual Fire and Explosion Hazards**

Elevated temperatures can lead to the formation of irritating fumes and vapors. Decomposing products may include the following materials: Carbon Dioxide and Carbon Monoxide. Product is a static accumulation liquid. Static accumulation liquid can become electrostatically charged even in bonded and grounded equipment. Sparks may ignite liquid may cause flash fire. Static electricity accumulation may be increased by the presence of small quantities of water or other contaminates. Restrict flow velocity to avoid build-up of static charge.

### Advice for firefighters

For fires beyond the initial stage, emergency responders in the immediate hazard area should wear protective gear. When the potential chemical hazard is unknown, in enclosed or confined spaces, or when explicitly required by DOT, a self-contained breathing apparatus should be worn. In addition, wear other appropriate protective equipment as conditions warrant. Isolate immediate hazard area, keep unauthorized personnel out. Water spray may be useful in or dispersing vapors and to protect personnel. Cool equipment exposed to fire with water, if it can be done with minimal risk.

## Section 6 - Accidental Release Measures

### Personal precautions, protective equipment and emergency procedures

**Personal Precautions** Wear personal protective clothing and equipment to avoid direct contact.

**Emergency Procedures** Keep unauthorized personnel away. Ventilate closed spaces before entering. This material will burn, but will not ignite readily. Keep all ignition sources away from the spill/release. As an immediate precautionary measure, isolate spill or leak area in all directions. Stop leak if you can do it without risk.

### Environmental precautions

Stop leak if you can do it without risk. Isolate spill or leak area in all directions. Product is insoluble in water, so prevent if from entering drains or water ways. Notify appropriate state and local authorities.

### Methods and material for containment and cleaning up

**Containment/Clean-up Measures**

LARGE SPILL: Stop leak if without risk. Move containers from spill area. Approach release from upwind. Prevent entry into sewers, water courses, basements or confined areas. Wash spillages into an effluent treatment plant or proceed as follows. Contain and collect spillage with non-combustible, absorbent material e.g. sand, earth, vermiculite or diatomaceous earth and place in container for disposal according to local regulations (see section 13). Dispose of via a licensed waste disposal contractor. Contaminated absorbent material may pose the same hazard as the spilled product.

SMALL SPILL: Stop leak if without risk. Move containers from spill area. Dilute with water and mop up if water soluble or absorb with an inert dry material and place in an appropriate waste disposal container. Dispose of via a licensed waste disposal contractor.

## Section 7 - Handling and Storage

### Precautions for safe handling

**Handling** Avoid contact with heat and ignition sources. Avoid contact with skin and clothing. Be cautious of any drips or spills as product is extremely slippery. Use only with adequate ventilation. In accordance with good industrial hygiene and safety work practices, airborne exposures should be controlled to the lowest extent practicable. Electrostatic charge may accumulate and create a hazardous condition when handling this material. Bond and ground lines and equipment used during transfer to reduce the possibililty of static spark-initiated fire. Wash thoroughly after handling.

### Conditions for safe storage, including any incompatibilities

**Storage** Store in accordance with local regulations. Store away from direct sunlight in a dry, cool, well ventilated area away from incompatible materials (see section 10). Keep container tightly closed and sealed until ready for use. Containers that have been opened must be carefully resealed and kept upright to prevent leakage. Do not store in unlabeled containers. Use appropriate containment to avoid environmental contamination.

## Section 8 - Exposure Controls/Personal Protection

### Control parameters:

| Component | ACGIH | OSHA | Other |
|---|---|---|---|
| White Mineral Oil | 5mg/m TWA<br>10 mg/m STEL | 5 mg/m | As oil mist, if generated 5 mg/m TWA |

STEL – Short Term Exposure Limit (15 minutes) TWA – Time Weighted Average

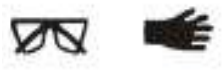
#### Engineering Measures/Controls

Consider the following when employing engineering controls and selection personal protective equipment: Potential hazards of the material, applicable exposure limits, job activities and other substances in the work place. If current ventilation practices are not adequate to maintain airborne concentrations below the established exposure limits, additional engineering controls may be required.

#### Personal Protective Equipment

**Respiratory**: If vapor or mist is generated by heating, spraying, etc., wear and air purifying respirator with mist filter. No special respiratory protection is normally required.
**Skin**: wear gloves and long sleeve clothing to minimize contact.
**Eye/Face**: Wear glasses with side shield or goggles in case of splashing.

**Pictograms**



#### General Industrial Hygiene Considerations

Wash hands, forearms and face thoroughly after handling chemical products, before eating, smoking and using the lavatory and at the end of the working period.

## Section 9 - Physical and Chemical Properties

### Information on Physical and Chemical Properties

| | | | |
|---|---|---|---|
| **Material Description** | | | |
| Physical Form | Liquid | Appearance/Description | Liquid |
| Color | Water white | Odor | None |
| Taste | Not relevant | Particulate Type | Not relevant |
| Particulate Size | Not relevant | Aerosol Type | Not relevant |
| Odor Threshold | Not relevant | Physical and Chemical Properties | Not relevant |
| **General Properties** | | | |
| Boiling Point | No Data Available | Melting Point | No Data Available |
| Decomposition Temperature | No Data Available | Heat of Decomposition | No Data Available |
| pH | Not relevant | Specific Gravity/Relative Density | ~0.857 @ 60 F(15.55C) |
| Density | ~7.14 #/gal | Bulk Density | No Data Available |
| Water Solubility | Insoluble | Solvent Solubility | Soluble |
| Viscosity | ~ 70 SUS @ 100F | Explosive Properties | No Data Available |
| Oxidizing Properties: | No Data Available | | |
| **Volatility** | | | |
| Vapor Pressure | <0.1 kPa at 20C | Vapor Density | > 1.0 |
| Evaporation Rate | No Data Available | VOC (Wt.) | No Data Available |
| VOC (Vol.) | No Data Available | Volatiles (Wt.) | No Data Available |
| Volatiles (Vol.) | No Data Available | | |
| **Flammability** | | | |
| Flash Point | >250 F (COC) | UEL | No Data Available |
| LEL | No Data Available | Flame Duration | No Data Available |
| Heat of Combustion (ΔHc) | No Data Available | Burning Time | No Data Available |
| Flame Height | No Data Available | Flame Extension | No Data Available |
| Ignition Distance | No Data Available | Self-Accelerating Decomposition Temperature (SADT) | No Data Available |
| Autoignition | No Data Available | Flammability (solid, gas) | No Data Available |
| **Environmental** | | | |
| Half-Life | Not relevant | Octanol/Water Partition coefficient | Not relevant |
| Coefficient of water/oil distribution | Not relevant | Bioaccumulation Factor | Not relevant |
| Bioconcentration Factor | Not relevant | Biochemical Oxygen Demand BOD/BOD5 | Not relevant |
| Chemical Oxygen Demand | Not relevant | Persistence | Not relevant |
| Degradation | Not relevant | | |

## Section 10: Stability and Reactivity

**Reactivity** No dangerous reaction known under conditions of normal use

**Chemical stability** Stable under normal ambient and anticipated conditions of use.

**Possibility of hazardous reactions** Not anticipated under normal conditions.

**Conditions to avoid** Extended exposure to high temperatures can cause decomposition

**Incompatible materials** Avoid contact with strong oxidizing agents

**Hazardous decomposition products**

Under normal conditions of storage and use, hazardous decomposition products should not be produced.

## Section 11 - Toxicological Information

### Information on likely routes of exposure:

**Ingestion:** Likely route of exposure
**Inhalation:** Likely route of exposure
**Skin Contact:** Likely route of exposure
**Eye Contact:** Likely route of exposure

### Symptoms related to physical, chemical and toxicological characteristics:

**Inhalation:** Not expected to be a hazard for static vapor at ambient temperatures. Inhalation of mist or spray may be harmful and cause pulmonary edema or aspiration pneumonia. Oil deposits in the lung may lead to fibrosis and reduced pulmonary function.
**Skin Irritation:** May cause mild skin irritation, redness, itching and inflammation
**Eye Damage/Irritation:** May cause slight eye irritation, tears and a burning sensation
**Ingestions:** May cause gastrointestinal irritation, nausea, vomiting and diarrhea

### Information on toxicological effects:

| Components | Species | Test Results |
|---|---|---|
| **White Mineral Oil (8042-47-5)** | | |
| Dermal – LD50 | Rat | >2000 mg/kg |
| Inhalation – LC50 | Rat | >5 mg/kg |
| Oral – LD50 | Rat | >5000 mg/kg |

**Skin corrosion/irritation** Not classified
**Serious eye damage/eye irritation** Not classified
**Respiratory sensitization** Not classified
**Skin sensitization** Not classified
**Germ cell mutagenicity** Not classified
**Carcinogenicity** Not classified
**Reproductive toxicity** Not classified
**Specific Target organ toxicity** Not classified
**Aspiration toxicity** Not classified
**Toxicological data** Mineral Oil mists from highly refined or hydro-treated oils are generally of low acute and sub-chronic toxicity. Overexposure to mists may cause inflammation of the lungs and lipoid pneumonia.

## Section 12 - Ecological Information

**Eco-toxicity** Not classified in terms of eco-toxicity

| Components | Species | Test Results |
|---|---|---|
| White Mineral Oil (8042-47-5) | | |
| *Acute* | | |
| Algae – EC50 | Algae | > 1000 mg/l, 96 hr |
| Crustacea – | Daphnia magna | >100 mg/l, 48 hr |
| EC50 Fish – | Fish | > 1000 mg/l |
| *Chronic* | | |
| Crustacea – NOEL | Daphnia magna | 1000 mg/l, 21 d |
| | Not readily biodegradable | |

**Bio-accumulative potential** May bio-accumulate in aquatic organisms

**Partition coefficient n-octanol/water (log Kow)**

White Mineral Oil (CAS 8042-47-5) >4

**Mobility in soil** May partition into air, soil and water

**Other adverse effects** No other adverse effects expected

## Section 13 - Disposal Considerations

### Waste treatment methods

**Product waste** Avoid contact of spilled material with soil and surface waterways. Consult an environmental professional to determine if local, regional or national regulations would classify spilled or contaminated materials as hazardous waste. Use only approved transporters, recyclers, treatment, storage or disposal facilities. Dispose of in accordance with all applicable local and national regulations.

**Packaging waste** Dispose of content and/or container in accordance with local, regional, national, and/or international regulations.

## Section 14 - Transport Information

### DOT - U.S. Department of Transportation

**Shipping Description:** Not regulated.

**Trucking Freight description**: 65 Petroleum Oil, N.O.I.B.N

**Note:** The provisions of 49 CFR, Part 130 apply for shipments over 3,500 bulk gallons, requiring carrier emergency plans for spills and accidents.

### IATA – Int'l Air Transport Association

Not Regulated

### IMDG – Int'l Maritime Dangerous Goods

Not Regulated

### Annex II of MARPOL 73/78 and the IBC Code:

Not classified for MARPOL.

## Section 15 - Regulatory Information

### Safety, health and environmental regulations/legislation specific for the substance or mixture

**CERCLA/SARA -** This material does not contain toxic chemicals (in excess of the applicable de minimis concentration) that are subject to the reporting requirements of SARA 313 (40 CFR 372)

**TSCA Inventory:** All the components of this product are listed on, or are automatically included as natural occurring chemical substances on, or are exempted from the requirements to be listed on the TSCA inventory.

### Other Information:

CALIFORNIA PROPOSITION 65: This product does not contain a chemical currently known to the State of California to cause cancer, birth defects, or other reproductive harm at levels which are subject to the reporting requirements of SARA 302.

## Section 16 - Other Information

**Revision** 1

**Preparation Date** June 22, 2015

**Disclaimer/Statement of Liability**

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