



MATERIAL SAFETY DATA SHEET

PRODUCT: **BTTRI OIL REFRIGERATION OIL** HMIS: H F R
PRODUCT CODE: **150 OIL** 1 1 0
CHEMICAL NAME/FAMILY: **MINERAL OIL** (CAS # 64742-52-5)

MANUFACTURER / DISTRIBUTOR: A.G.Chem LTD.
ADDRESS: 23 Kolot Beak St, Cairo Egypt
INFORMATION: 002-011-455-095-21 EMERGENCY: 002-011-455-095-10
002-010-012-111-22 DATE: 9/12

INGREDIENTS/HAZARDOUS/SARA TITLE III INFORMATION

Distillates, (petroleum), hydrotreated heavy naphthenic Concentration 100%

| HAZARDOUS COMPONENTS | CAS NUM | PEL | TLV | mm Hg @ TEMP |
|----------------------|---------|-----|-----|--------------|
| NONE | | | | |

* Indicates toxic chemical subject to the reporting requirements of 40CFR372 and Title III Section 313.

PHYSICAL/CHEMICAL CHARACTERISTICS

BOILING POINT: >500°F
SPECIFIC GRAVITY (H₂O=1): 0.91 @ 15.6°C
VAPOR DENSITY: >10 (AIR=1)
EVAPORATION RATE: NEGLIGIBLE
SOLUBILITY IN WATER: INSOLUBLE
APPEARANCE AND ODOR: Clear amber liquid with petroleum odor
VISCOSITY: 155 SUS @ 100°F

FIRE AND EXPLOSION HAZARD DATA

FLASH POINT: >300°F (ASTM D-92) FLAMMABLE LIMITS IN AIR (VOL) LEL: N/A UEL: N/A
EXTINGUISHING MEDIA: Dry chemical, CO₂, foam, waterfog, sand/earth
SPECIAL FIREFIGHTING PROCEDURES: Wear self-contained breathing apparatus. Water spray is an unsuitable extinguishing agent.
UNUSUAL FIRE AND EXPLOSION HAZARDS: None

REACTIVITY DATA

STABILITY: STABLE
HAZARDOUS POLYMERIZATION: NONE
INCOMPATIBILITY (MATERIALS TO AVOID): Strong oxidizing agents such as chromic acid, hydrogen peroxide and bromine.
HAZARDOUS DECOMPOSITION OR BYPRODUCTS: Upon combustion, CO₂ and CO are generated.

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HEALTH HAZARD DATA

INHALATION AND SKIN ABSORPTION HEALTH RISKS: OSHA permissible concentration of mineral oil mist in air is 5 mg/m³.

SKIN AND EYE CONTACT: Prolonged contact may cause minor skin irritation.

SYMPTOMS OF EXPOSURE: N/A

INGESTION: N/A

ACUTE AND CHRONIC HEALTH HAZARDS: N/A

| | | | |
|-------------------------|-----|-----------------|----------------|
| CARCINOGENICITY: | NTP | IARC MONOGRAPHS | OSHA REGULATED |
| | NO | NO | NO |

MEDICAL CONDITIONS GENERALLY AGGRAVATED BY EXPOSURE: N/A

EMERGENCY AND FIRST AID PROCEDURES:

EYES: Flush with large amounts of water for at least 15 minutes. If redness or irritation persists, contact a physician.

SKIN CONTACT: Wash with soap and water.

INHALATION: None normally required.

INGESTION: Call a physician.

PRECAUTIONS/CONTROL MEASURES FOR SAFE HANDLING AND USE

STEPS TO BE TAKEN IN CASE OF RELEASE OR SPILL: Stop leak. Dike up large spills. Use inert absorbant materials such as earth, sand or vermiculite for clean-up.

WASTE DISPOSAL METHOD: Dispose of in accordance with Federal, State, and Local regulations.

PRECAUTIONS FOR STORAGE AND HANDLING: Avoid exposure to heat and flames. Protect against eye and skin contact.

WORK/HYGIENIC PRACTICES: Wash thoroughly after handling.

DISCLAIMER

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