

MSDS**Material Safety Data Sheet**

24 HOUR EMERGENCY
TELEPHONE NUMBER
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Immersion Oil, LV, HV

Section I: IDENTIFICATION

Product Name: **Immersion Oil, LV, HV**

Product Numbers: **ES648, ES648-2, ES648-16, ES649, ES649-2, ES649-16**

Section II: COMPOSITION

Hazardous Component(s): CAS Number OSHA PEL, ACGIH TLV/STEL NFPA

Natural and synthetic hydrocarbons and polymers	5mg/m ³	Health	1
		Flammability	0
		Reactivity	0

Section III: PHYSICAL DATA

<i>Boiling Point:</i> ~640°F	<i>Specific Gravity (H₂O = 1):</i>	<1
<i>Vapor Pressure mm Hg/20°C:</i> NE	<i>Percent Volatile by Vol:</i>	NE
<i>Vapor Density (Air 1:1):</i> NE	<i>Evaporation Rate (mineral oil = 1):</i>	~1
<i>Solubility in H₂O:</i> Insoluble		
<i>Appearance & Odor:</i> Clear, slightly yellow liquid, characteristic odor		

Section IV: FIRE/EXPLOSION HAZARD

Flash Point: Non-flammable(>250°C)

Flammable Limits: LEL: NA UEL: NA

Extinguishing Media: Dry Chemical, CO₂ and Foam

Special Fire Fighting Procedures: Wear protective clothing with NIOSH approved breathing apparatus. Products of combustion may be harmful in a fire situation. Do not use direct water stream.

Unusual Fire & Explosion Hazards: None Known.

Section V: REACTIVITY

Stability: Stable

Materials to Avoid: Strong oxidizers.

Hazardous Decomposition or Byproducts: Oxides of carbon.

Hazardous Polymerization: Does not occur

Conditions to Avoid: Extreme temperature exposure, >150°F

Section VI: HEALTH HAZARDS

Routes of Entry: Inhalation, Skin and Ingestion

Target Organs: Respiratory System

Acute/Chronic: Product is not expected to cause health hazards when utilizing good laboratory practices. Avoid atomizing/misting vapors (elevated temperatures) which can cause respiratory irritation.

Carcinogenicity: Not classified as a human carcinogen.

Signs/Symptoms of Exposure: Skin, eyes and respiratory irritation.

Emergency First Aid:

Skin: Remove contaminated clothing. Wash affected area with soap and water.

Eyes: Thoroughly flush eyes with water. Contact a physician if irritation persists.

Ingestion: Rinse mouth thoroughly with water, provided person is conscious and contact a physician.

Inhalation: Remove person to fresh air. If not breathing, give artificial respiration and contact physician.

Section VII: SAFE HANDLING

Chemical Release or Spill: Isolate the spill area with sand, or other absorbent material. Place all contaminated material in close container for disposal.

Waste Disposal Method: All liquid and or contaminated material should be disposed of in DOT approved waste containers. Comply with all Federal, State and Local regulations for disposal.

Precautions for Handling and Storing: Normal laboratory Care.

Section VIII: CONTROL MEASURES

Respiratory Protection: Not normally required.

Ventilation: Mechanical or general exhaust is sufficient.

Protective Gloves: Chemical resistant.

Eye Protection: Safety glasses

Other Protective Clothing or Equipment: Normal laboratory apparel suggested by Good Laboratory Practices

Work/Hygienic Practices: Wash thoroughly with soap and water after handling.

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