



## Material Safety Data Sheet (MSDS)

### Acil

#### IDENTIFICATION OF THE SUPPLIER:

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#### PRODUCT IDENTIFICATION:

**Common Name:** Mineral oil  
**Trade Name:** Acil

#### PRODUCT COMPOSITION:

<i>Active Ingredient:</i>	<i>% v/v</i>	<i>CAS #</i>
Mineral oil	88 %	--
<i>Inert ingredient:</i>		
Additive not active material	12%	--

#### HAZARDS IDENTIFICATION:

##### **Potential Acute Health Effects:**

Slightly hazardous in case of eye contact (irritant), of ingestion. Non-irritant for skin. Non-hazardous in case of inhalation.

##### **Potential Chronic Health Effects:**

**CARCINOGENIC EFFECTS:** 3 (Not classifiable for human.) by IARC.

**MUTAGENIC EFFECTS:** Not available. **TERATOGENIC**

**EFFECTS:** Not available. **DEVELOPMENTAL TOXICITY:** Not available. Repeated or prolonged exposure is not known to aggravate medical condition





## FIRST-AID MEASURES:

### **Eye Contact:**

Check for and remove any contact lenses. In case of contact, immediately flush eyes with plenty of water for at least 15 minutes. Get medical attention if irritation occurs.

**Skin Contact:** Wash with soap and water. Get medical attention if irritation develops.

Serious Skin Contact: Not available.

### **Inhalation:**

If inhaled, remove to fresh air. If not breathing, give artificial respiration. If breathing is difficult, give oxygen. Get medical attention.

Serious Inhalation: Not available.

### **Ingestion:**

Do NOT induce vomiting unless directed to do so by medical personnel. Never give anything by mouth to an unconscious person. If large quantities of this material are swallowed, call a physician immediately. Loosen tight clothing such as a collar, tie, belt or waistband.

## FIRE-FIGHTING MEASURES: -

**Flammability of the Product:** May be combustible at high temperature.

**Auto-Ignition Temperature:** Not available.

**Flash Points:** CLOSED CUP: 168.33°C (335°F).

**Flammable Limits:** Not available.

**Products of Combustion:** Not available.

### **Fire Hazards in Presence of Various Substances:**

Slightly flammable to flammable in presence of open flames and sparks, of heat. Non-flammable in presence of shocks.

### **Explosion Hazards in Presence of Various Substances:**

Risks of explosion of the product in presence of mechanical impact: Not available. Risks of explosion of the product in presence of static discharge: Not available.

### **Fire Fighting Media and Instructions:**

**SMALL FIRE:** Use DRY chemical powder. **LARGE FIRE:** Use water spray, fog or foam. Do not use water jet.

**Special Remarks on Fire Hazards:** Not available.

**Special Remarks on Explosion Hazards:** Not available.





## ACCIDENTAL RELEASE:

### **Evacuation Procedures:**

Isolate area. Keep unnecessary personnel away. Surfaces may become slippery after spillage.

### **Personal precautions:**

Use personal protective equipment.

### **Environmental precautions:**

Runoff from fire control or dilution water may cause pollution.

### **Methods for cleaning up:**

Absorb with earth, sand or other non-combustible material and transfer to containers for later disposal.

### **Containment Procedures:**

Prevent entry into waterways, sewers, basements or confined areas. Scoop up used absorbent into drums or other appropriate container.

## PERSONAL PROTECTION/SAFETY:

### **Occupational exposure controls:**

Handle in accordance with good industrial hygiene and safety practice for diagnostics.

### **Engineering measures to reduce exposure:**

No special ventilation requirements.

### **Hygiene measures:**

Wash hands before breaks and immediately after handling the product.

### **Respiratory protection:**

A NIOSH- approved air purifying respirator with an organic vapor cartridge or canister may be permissible under certain circumstances where airborne concentrations are expected to exceed exposure limits

### **Hand protection:**

Impervious gloves.

### **Eye protection:**

Wear safety glasses with side shields.

### **Skin and body protection:**

Wear oil-impervious garments if contact is unavoidable.





## HANDLING AND STORAGE:

### Precautions:

Keep away from heat. Keep away from sources of ignition. Empty containers pose a fire risk; evaporate the residue under a fume hood. Ground all equipment containing material. Do not breathe gas/fumes/ vapor/spray. Keep away from incompatibles such as oxidizing agents.

**Storage:** Keep container tightly closed. Keep container in a cool, well-ventilated area. Do not store above 24°C (75.2°F)

## STABILITY AND REACTIVITY DATA:

**Stability:** The product is stable.

**Conditions of Instability:** Excess heat, incompatiblesp. 4

**Incompatibility with various substances:** Reactive with oxidizing agents.

**Corrosivity:** Non-corrosive in presence of glass.

**Special Remarks on Reactivity:** May react with strong oxidizing agents

**Special Remarks on Corrosivity:** Not available.

**Polymerization:** Will not occur.

## TOXICOLOGICAL INFORMATION:

**Routes of Entry:** Absorbed through skin. Eye contact.

### Toxicity to Animals:

LD50: Not available. LC50: Not available.

**Chronic Effects on Humans:** CARCINOGENIC EFFECTS: 3 (Not classifiable for human.) by IARC.

### Other Toxic Effects on Humans:

Slightly hazardous in case of ingestion. Non-irritant for skin. Non-hazardous in case of inhalation.

**Special Remarks on Toxicity to Animals:** Not available.

### Special Remarks on Chronic Effects on Humans:

Highly refined mineral oils are not classified as human carcinogens. However, related forms (untreated and mildly-treated oils used in metal machining, mule spinning and jute processing) are listed as human carcinogens by both IARC (group 1) and NTP

### Special Remarks on other Toxic Effects on Humans:

**Potential Health Effects: Skin:** This product is not expected to cause any skin irritation upon direct single or repeated and prolonged contact.

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However, similar chemical composition products applied to the skin of lab animals resulted in minimal to slight dermal irritation. **Eyes:** May cause mild (minimal) eye irritation. **Inhalation:** May cause respiratory tract irritation with coughing and shortness of breath. This product has a low vapor pressure and is not expected to present an inhalation hazard at ambient conditions. Caution should be taken to prevent aerosolization or misting. If aspiration occurs, it may lead to chemical pneumonitis which is characterized by pulmonary edema and hemorrhage and may be fatal. Signs of lung involvement include increased respiratory rate, increased heart rate, and bluish discoloration of the skin. Coughing, choking and gagging are often noted at the time of aspiration. **Ingestion:** Ingestion is relatively non-toxic unless aspiration occurs. It has laxative properties and may cause gastrointestinal tract discomfort, abdominal cramps, vomiting and diarrhea. Exposure to a large single dose or repeated small doses by inhalation, aspiration or ingestion leading to aspiration can lead to lipid pneumonia or lipid granuloma. These are low-grade, chronic localized tissue reactions which are not fatal.

#### **ECOLOGICAL INFORMATION: -**

##### **Products of Biodegradation:**

Possibly hazardous short term degradation products are not likely. However, long term degradation products may arise.

**Toxicity of the Products of Biodegradation:** Not available.

**Special Remarks on the Products of Biodegradation:** Not available.

#### **DISPOSAL CONSIDERATIONS:**

##### **Disposal Instructions:**

Dispose of waste material according to Local, State, Federal, and Provincial Environmental Regulations. Material should be recycled if possible.

##### **Waste from residues / unused products**

Dispose of in accordance with local regulations

##### **Contaminated packaging:**

Empty containers should be taken for local recycling, recovery or waste disposal.

