

Safety Data Sheet

1: Identification

Name: UNITRAC 100

CLASS:

Id No.: 01351

The material uses as lubricant oil for tractors engines, for gear and for the hydraulic system.



2: Composition/Information on Ingredients

Appearance: Oily viscous and dark liquid, insoluble in water.

Composition:

<u>Ingredients</u>	<u>Concentration %</u>
Mineral oil {008012-95-1}	75-95
Additives	5-25

3: Hazards Identification

Irritating to eyes, respiratory system and skin.

May cause allergic reactions on contact with the skin.

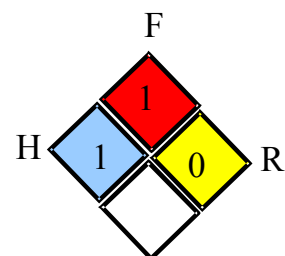
Inhalation of high concentration of mist or vapors may cause negative influence on the respirable tracts, especially for people who suffer from lung diseases.

On ingestion, the immediate injure is material's penetration into the respiratory system. Ingest of the material may cause irritation to the digestion system.

IDLH: (Immediately Dangerous to Life and Health): 2500 mg/m³ as oil mist, mineral.

Carcinogenicity: For mineral oil:

IARC GROUP 3 - Unclassifiable as to carcinogenicity to human.



Health (H) Flammability (F)
Reactivity (R) in scale 0 (not hazardous) till 4 (extremely hazardous).

For more information about symptoms in exposure – see paragraph 4.

For more data about chemical reaction and incompatibles – see paragraph 10.

4: First Aid Measures

- Symptoms:** Irritating to eyes, respiratory system and skin. Refer to medical attention as necessary.
- Skin:** Remove immediately contaminated clothing and shoes unless stuck to the skin. Rinse with water and soap. Refer to medical attention as necessary.
- Eyes:** Rinse opened eyes under running water for at least 15 minutes. Refer to medical attention in case of delayed damage.
- Ingestion:** Do NOT induce vomiting. If victim is conscious, have him drink two cups of water. Refer for medical attention as necessary. Do not administer liquids to unconscious persons.
- Inhalation:** Using protective gear, evacuate victim from site of exposure. Have victim lie or sit comfortably. If he has difficulty breathing, have him sit with back straight and administer oxygen, if possible. If victim is unconscious, perform resuscitation and then immediately transfer to medical personnel.

5: Fire-Fighting Measures

Combustible.

Extinguishing media: Dry chemical, alcoholic foam, CO₂.

Use water to cool containers exposed to the fire.

Do not spray water directly on the boiling liquid for fear of boil over. Oil floats on water.

In case of fire use a self-contained breathing apparatus and full protective gear.

6: Accidental Release Measures

Wear protective gear. Ventilate the area. Keep away from open fire, sparks and smoking. Shut down all ignition sources. Stop the leakage if you can do it without risk. Absorb the chemical onto sand, vermiculite or absorption sleeves, scoop into containers for recycling or disposal, according to local regulations.

Wash the floor with water and soap. Water sensitive equipment wash with an appropriate solvent.

7: Handling and Storage

Keep away from incompatible materials (see section 10).

Safety phrases:

Keep away from heat sources.

Keep away from sources of ignition. NO SMOKING!

Avoid contact with skin and eyes.

Do not breath gas or fumes or spray.

Keep in shaded area.

Do not store near oxidizing materials.

Make sure that eyes washers and emergency showers are available at work place.

All workers need personal hygiene with the material, including shower and changing of clothes for at least once a day.

Prevent workers how suffer from skin or lung diseases to the material and its fumes.

Prevent workers how show immediate sensitization or allergic reaction to the material

8: Exposure Control and Personal Protection

Threshold values: Exposure limits (Mineral oil)
PEL-OSHA for 8 hours 5 mg/m^3 (TWA)*
TLV-ACGIH for 8 hours 5 mg/m^3 (TWA) for short time 10 mg/m^3 *
REL-NIOSH for 8 hours 5 mg/m^3 (TWA) for short time 10 mg/m^3 *
* as oil mist, mineral

Protective equipment: Generally, personal protection is a function of exposure. It is recommended to use safety spectacles or goggles, working shoes, working clothes or lab coat. Working should be done in a well-ventilated area.

In addition: mask and filter, nitril or neoprene gloves.

In case of an emergency: Full protective gear and a self-contained breathing apparatus should be used, according to the severity.

9: Physical and Chemical Properties:

Boiling point °C: above 350

Freezing point °C: -12

Molecular weight: mixture

Density gr/cm³: 0.885 at 15°C

Vapor density (air=1): not available

Vapor pressure (mm Hg): not available

Solubility in water %: insoluble

pH: not available

Flash point °C: 210

Auto-ignition temperature °C: not available

LEL: not available **UEL:** not available

Viscosity (cst): 13.5 at 100°C

Fire point °C: 230

10: Stability and Reactivity

Hazardous polymerization: Will not occur.

Chemical reactivity: Stable under ordinary conditions. Keep away from oxidizing materials.

Hazardous decomposition products: On fire emits sulfur oxides, phosphorus oxides and irritating fumes.

11: Toxicological Information

For Mineral oil:

LD50 (oral rat) 24000 mg/kg

LD50 (oral mouse) 22000 mg/kg

12: Ecological Information

Environmental hazards: Absorbs in the soil and may contaminate groundwater. Creates layer on water surface and prevents oxygen delivery.

Degrability: Does not undergo rapidly biodegradation. Partial accumulates in soil.

13: Disposal Considerations

The material is not subject to the Israeli regulation, and therefore it doesn't have to be disposed to a hazardous waste site. Waste disposal should be according to the local regulations only.

According to the Israeli regulations, industrial spillage into the sewage system will not contain mineral oil or any kind of oil, which does not undergo biological degradation in concentration above 20 mg/l; for additional information check local regulations.

14: Transport information

RID/ADR: Not regulated.

UN recommendations: Not regulated.

IMCO: Not regulated

15: Regulatory information

Listed in the Israeli Hazardous Material regulations under "Used oils".

This hazardous material, when in quantity less than 5000 kg is classified as Hazmat type B.

According to the Israeli dangerous goods regulations of 1996 and the dangerous goods law of 1993, holders of poison type A, or up to 40 type B hazardous materials are not subject to some of the regulations concerning toxic-permit and hazardous material registrations. For further details refer to the dangerous substances law and regulations.

For this material, no ejection regularity was found.

16: Other information

Risk phrases: ***R36/37/38***

Safety phrases: ***S15, S16, S24/25, S23***

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