

**SECTION 1 IDENTIFICATION OF THE SUBSTANCE / MIXTURE AND OF THE COMPANY / UNDERTAKING**
**1.1 Product Identifier**

<b>Product name</b>	<b>POWEROIL OPAL H 500</b>
<b>Chemical name</b>	Distillates (petroleum) hydrotreated heavy paraffinic
<b>CAS No.</b>	64742-54-7
<b>EC No.</b>	265-157-1

**1.2 Relevant identified uses of the substances or mixture and uses advised against**

<b>Relevant identified uses</b>	Lubricating Oil Base Stock
<b>Uses advised against</b>	Not applicable

**1.3 Details of the supplier of the safety data sheet**

<b>Registered company name</b>	Apar Industries Limited
<b>Address</b>	18 T.T.C., M.I.D.C. Industrial Area , Thane Belapur Road , Rabale, Navi Mumbai – 400701. INDIA.
<b>Telephone</b>	+91 22 61110444 (Office hours 9.30am to 17.00pm)
<b>Fax</b>	+91 22 2760 2692
<b>Website</b>	www.apar.com
<b>Email</b>	<a href="mailto:hse@apar.com">hse@apar.com</a>

**1.4 Emergency telephone number**

<b>Association / Organisation</b>	Not Available
<b>Emergency telephone numbers</b>	+91 9833811132
<b>Other emergency telephone numbers</b>	Not Available

**SECTION 2 HAZARD IDENTIFICATION**
**2.1 Classification of the substance or mixture**
**Classification (EC) no. 1272/2008**

Physical and chemical Hazards	Not classified
Human Health	Not classified
Environment	Not Classified

**Classification (1999/45/EEC)** Not Classified

The Full Text for all R-Phrases and Hazard Statements are Displayed in Section 16.

**2.2 Label elements**

<b>CLP label elements</b>	Not Applicable
<b>Signal word</b>	No signal word
<b>Hazard statement(s)</b>	No known significant effects or critical hazards.
<b>P301+P310</b>	If SWALLOWED : Immediately call a POISON CENTER/doctor/physician/first aider.
<b>P331</b>	Do NOT induce vomiting.
<b>Precautionary statement(s) Storage</b>	
<b>P405</b>	Store locked up.
<b>Precautionary statement(s) Disposal</b>	
<b>P501</b>	Dispose of contents/container to authorized chemical landfill or if organic to high temperature incineration.

**2.3 Other hazards** Not available

**SECTION 3 COMPOSITION / INFORMATION ON INGREDIENTS**
**3.1 Substance**

1. CAS No. 2. EC No.	% (Weight)	Name	Classification according to regulation (EC) No.1272/2008(CLP)	Classification (67/548/EEC)
1. 64742-54-7 2. 265-157-1	100	Distillates (petroleum), hydrotreated heavy paraffinic	Not classified	Not classified

**Ingredient notes**

The highly refined mineral oil contains &lt;3% (w/w) DMSO extract, according to IP346.

## SECTION 4 FIRST AID MEASURES

### 4.1 Description of first aid measures

<b>Eye Contact</b>	If this product comes in contact with eyes : <ul style="list-style-type: none"> <li>➢ Wash out immediately with water</li> <li>➢ If irritation continues, seek medical attention.</li> </ul>
<b>Skin Contact</b>	If skin or hair contact occurs: <ul style="list-style-type: none"> <li>➢ Removal of contact lenses after an eye injury should only be undertaken by skilled personnel.</li> <li>➢ Flush skin and hair with running water (and soap if available).</li> <li>➢ Seek medical attention in event of irritation.</li> </ul>
<b>Inhalation</b>	<ul style="list-style-type: none"> <li>➢ If fumes, aerosol or combustion products are inhaled remove from contaminated area. Other measures are usually unnecessary.</li> </ul>
<b>Ingestion</b>	<ul style="list-style-type: none"> <li>➢ Immediately give a glass of water.</li> <li>➢ First aid is not generally required. If in doubt, contact a Poisons Information Centre or a doctor.</li> </ul>

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

See section 11

### 4.3 Indication of any immediate medical attention and special treatment needed

Treat symptomatically.

## SECTION 5 FIRE FIGHTING MEASURES

### 5.1 Extinguishing media

- Dry chemicals Powder.
- Foam.
- BCF (where regulations permit).
- Carbon dioxide (CO<sub>2</sub>).
- Water spray or fog – Large fires only.

### 5.2 Special hazards arising from the substrate or mixture

Fire incompatibility      ➢ Avoid contamination with oxidizing agents i.e. nitrates, oxidizing acids, chlorine acids, chlorine bleaches, pool chlorine etc. as ignition may results.

### 5.3 Advice for firefighters

Fire fighting      ➢ Alert Fire Brigade and tell them location and nature of hazard.  
                           ➢ Wear full body protective clothing with breathing apparatus.

## SECTION 6 ACCIDENTAL RELEASE MEASURES

### 6.1 Personal precautions, protective equipment and emergency procedures

See section 8

### 6.2 Environmental precautions

See section 12

### 6.3 Methods and material for containment and cleaning up

- Remove all ignitions sources.
- Clean up all spills immediately.
- Minor spills**      ➢ Avoid breathing vapours and contact with skin and eyes.
- Control personal contact with the substance, by using protective equipment.
- Contain and absorb spill with sand, earth, inert material or vermiculite.
- Wipe up.
- Place in a suitable, labelled container for waste disposal.

## SECTION 7 HANDLING AND STORAGE

### 7.1 Precautions for safe handling

#### Safe Handling

- Avoid all personal contact, including inhalation.
- Wear protective clothing when risk of exposure occurs.
- Use in a well-ventilated area.
- Prevent concentration in hollows and sumps.
- DO NOT enter confined spaces until atmosphere has been checked.
- Avoid smoking, naked lights or ignition sources.
- Avoid contact with incompatible materials. When handling, DO NOT eat, drink or smoke.
- Keep containers securely sealed when not in use. Avoid physical damage to containers.
- Always wash hands with soap and water after handling.
- Work clothes should be laundered separately.
- Use good occupational work practice.
- Observe manufacturer's storage and handling recommendations contained within this SDS. Atmosphere should be regularly checked against established exposure standards to ensure safe working conditions.

**Fire and explosion protection** See section 5

### 7.2 Conditions for safe storage, including any in compatibilities

#### Suitable container

- Metal can or drum
- Packaging as recommended by manufacturer.
- Check all containers are clearly labeled and free from leaks.

#### Storage incompatibility

Avoid reaction with oxidizing agents.

### 7.3 Specific end use(s)

Not available

## SECTION 8 EXPOSURE CONTROLS / PERSONAL PROTECTION

### 8.1 Control parameters

#### DERIVED NO EFFECT LEVEL (DNEL)

Not available

#### PREDICTED NO EFFECT LEVEL (PNEL)

Not available

#### OCCUPATIONAL EXPOSURE LIMITS (OEL)

### 8.2 Exposure controls

#### 8.2.1 Appropriate engineering controls

#### 8.2.2 Personal protection



#### Eye and face protection

- Safety glasses with side shields
- Chemical goggles.

#### Skin protection

See Hand protection below

#### Hands/feet protection

Wear general protective gloves, e.g. light weight rubber gloves.

#### Body protection

See Other protection below

#### Other protection

No special equipment needed when handling small quantities.

#### OTHERWISE:

Overalls.  
Barrier cream.  
Eyewash unit.

#### Thermal hazards

Not Available

#### Respiratory protection

Type A-P Filter of sufficient capacity. (AS/NZS 1716 & 1715, EN 143:2000 & 149:2001, ANSI Z88 or national equivalent)

8.2.3. Environmental exposure controls | See section 12

**SECTION 9 PHYSICAL AND CHEMICAL PROPERTIES**
**9.1 Information on basic physical and chemical properties**
**Appearance**

<b>Physical state</b>	Liquid
<b>Color</b>	Colourless
<b>Form</b>	Liquid
<b>Odor</b>	Odorless
<b>Odour threshold</b>	Not applicable
<b>pH</b>	Not applicable
<b>Melting point/Pour point</b>	< -6°C (ASTM D-97)
<b>Flash point</b>	Closed cup: > 220°C
<b>Evaporation rate</b>	<1 (n-butyl acetate = 1)
<b>Flammability (solid, gas)</b>	Not applicable
<b>Flammability limits in air, lower, % by volume</b>	Not available
<b>Flammability limits in air, upper, % by volume</b>	Not available
<b>Vapour pressure</b>	<0.013 kPa (<0.1 mm Hg) [room temperature]
<b>Vapour density</b>	>1 [Air = 1]
<b>Density</b>	0.870 at 15°C
<b>Solubility(ies)</b>	
<b>Solubility (water)</b>	Insoluble
<b>Partition coefficient (n-octanol/water)</b>	Not available
<b>Decomposition temperature</b>	No Data
<b>Auto-ignition temperature</b>	> 320°C
<b>Viscosity, Kinematic at 40°C (104°F)</b>	0.90 cm <sup>2</sup> /s to 1.10 cm <sup>2</sup> /s (90.00 to 110.0 cSt)
<b>Explosive properties</b>	No Data
<b>Oxidising properties</b>	No Data

**9.2 Other Information** | Not Available

**SECTION 10 STABILITY AND REACTIVITY**

<b>10.1 Reactivity</b>	Stable.
<b>10.2 Chemical stability</b>	Under normal conditions of storage and use, hazardous reactions will not occur.
<b>10.3 Possibility of hazardous Reactions</b>	Avoid temperatures exceeding the flash point.
<b>10.4 Conditions to avoid</b>	No specific data.
<b>10.5 Incompatible materials</b>	No specific data.
<b>10.6 Hazardous decomposition products</b>	Under normal conditions of storage and use, hazardous decomposition products should not be produced.

**SECTION 11 TOXICOLOGICAL INFORMATION**
**11.1 Information on toxicological effects**

<b>Toxic Dose 1 – LD 50</b>	>5000 mg/kg (oral rat)
<b>Acute toxicity :</b>	
<b>Acute toxicity (Dermal LD50)</b>	>5000 mg/kg Rat
<b>Inhalation</b>	Not relevant at normal room temperatures. When heated, irritating vapours may be formed.
<b>Ingestion</b>	May cause discomfort if swallowed.
<b>Skin contact</b>	No specific health warnings noted.
<b>Eye contact</b>	No specific health warnings noted.
<b>Health Warnings</b>	Observe good chemical hygiene practices.
<b>Route of entry</b>	Ingestion. Skin and/or eye contact.

<b>Medical Symptoms</b>	Diarrhoea. Nausea, vomiting
-------------------------	-----------------------------

### SECTION 12 ECOLOGICAL INFORMATION

#### 12.1 Toxicity

<b>Acute fish Toxicity</b>	No considered toxic to fish
<b>LC50, 96 Hrs., Fish</b>	>1000 mg/l
<b>EC50, 48 Hrs., Daphnia</b>	>1000 mg/l
<b>IC 50, 72 Hrs., Algae</b>	>1000 mg/l

#### 12.2 Persistence and degradability

<b>degradability</b>	The product is not readily biodegradable.
----------------------	---

#### 12.3 Bioaccumulative potential

<b>Bioaccumulation potential</b>	Will not bio-accumulate
----------------------------------	-------------------------

#### 12.4 Mobility in soil

<b>Mobility</b>	The product is insoluble in water and will spread on the water surface.
-----------------	---

#### 12.5 Results of PBT and vPvB assessment

	<b>P</b>	<b>B</b>	<b>T</b>
Relevant available data	Not available	Not available	Not available
PBT Criteria fulfilled?	Not available	Not available	Not available

#### 12.6 Other adverse effects

No data available

### SECTION 13 DISPOSAL CONSIDERATIONS

#### 13.1 Waste treatment methods

Legislation addressing waste disposal requirements may differ by country, state and/ or territory. Each user must refer to laws operating in their area. In some areas, certain wastes must be tracked.

A Hierarchy of Controls seems to be common - the user should investigate:

- Reduction
- Reuse
- Recycling
- Disposal (if all else fails)

#### Product / Packaging disposal

This material may be recycled if unused, or if it has not been contaminated so as to make it unsuitable for its intended use. If it has been contaminated, it may be possible to reclaim the product by filtration, distillation or some other means. Shelf life considerations should also be applied in making decisions of this type. Note that properties of a material may change in use, and recycling or reuse may not always be appropriate.

<b>Waste treatment options</b>	Not available
--------------------------------	---------------

<b>Sewage disposal options</b>	Not available
--------------------------------	---------------

### SECTION 14 TRANSPORT INFORMATION

<b>General</b>	The product is not covered by international regulation on the transport of dangerous goods(IMDG,IATA,ADR/RID)
----------------	---

#### 14.1 UN Number

#### 14.2 UN proper shipping name

#### 14.3 Transport hazard class(es)

#### 14.4 Packing group

#### 14.5 Environmental hazards

#### 14.6 Special precautions for user

#### 14.7 Transport in bulk according to Annex II of MARPOL 73/78 and the IBC Code

Not classified as dangerous goods for transport.

Not applicable

Not applicable

Not applicable

Not classified as marine pollutant/environmentally hazardous.

Not applicable

Not applicable

**SECTION 15 REGULATORY INFORMATION**

**15.1. Safety, health and environmental regulations / legislation specific for the substance or mixture**

National Regulations

Water Hazard Class (Germany) : WGK 1

**15.2. Chemical safety assessment**

Not Available

**16 - Other Information**

**Abbreviations**

IMDG – CODE	International maritime dangerous goods code.
ICAO	International Civil Aviation Organization
IATA	International air transport association

**Disclaimer**

The information provided in this Safety Data Sheet is correct to the best of our knowledge, information and belief at the date of its publication. The information given is designed only as a guidance for safe handling, use, processing, storage, transportation, disposal and release and is not to be considered a warranty or quality specification. The information relates only to the specific material designated and may not be valid for such material used in combination with any other materials or in any process, unless specified in the text.