

## SECTION 1 IDENTIFICATION OF THE SUBSTANCE / MIXTURE AND OF THE COMPANY / UNDERTAKING

### 1.1 Product Identifier

|               |   |
|---------------|---|
| Product name  | POWEROIL OPAL L 50                                    |
| Chemical name | Distillates (petroleum) hydrotreated light paraffinic |
| CAS No.       | 64742-55-8  |
| EC No.        | 265-158-7   |

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

|                          |                            |
|--------------------------|----------------------------|
| Relevant identified uses | Lubricating Oil Base Stock |
| Uses advised against     | Not applicable             |

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

|                         |  |
|-------------------------|--|
| Registered company name | Petroleum Specialities FZE.  |
| Address                 | Hamriyah Free zone- Phase 1, Plot no. 1C-02D1, Sharjah, PO box: 42180. United Arab |
| Telephone               | Emirates.  |
| Website                 | +971 65096444 (Office hours 9.30am to 17.00pm)                                     |
| Email                   | www.apar.com<br>psf.hse@apar.com   |

### 1.4 Emergency telephone number

|                                   |               |
|-----------------------------------|---------------|
| Association / Organization        | Not Available |
| Emergency telephone numbers       | +971566893936 |
| Other emergency telephone numbers | 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                  | Aspiration Hazard Category 1 – H304 |
|                                   | Environment                   | Not Classified                      |

Classification (1999/45/EEC) Not Classified  
The Full Text for all R-Phrases and Hazard Statements are Displayed in Section 16.  
Human Health  
May be fatal if swallowed and enters airways.

### 2.2 Label elements

Contains Distillates (petroleum), hydrotreated light paraffinic

CLP label elements



Signal word DANGER

Hazard statement(s)  
**H304** May be fatal if swallowed and enters airways  
**P301+P310** If SWALLOWED : Immediately call a POISON CENTER/doctor/physician/first aider.  
**P331** Do NOT induce vomiting.

Precautionary statement(s) Storage  
**P405** Store locked up.

Precautionary statement(s) Disposal  
**P501** 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.<br>2. EC No.       | % (Weight) | Name  | Classification according to regulation<br>(EC) No.1272/2008(CLP) | Classification (67/548/EEC) |
|-------------------------------|------------|---|--|-----------------------------|
| 1. 64742-55-8<br>2. 265-158-7 | 100        | Distillates (petroleum),<br>hydrotreated light paraffinic | Aspiration Hazard Category 1 : H304                              | Xn; R65                     |

#### Ingredient notes

The highly refined mineral oil contains <3% (w/w) DMSO extract, according to IP346

### SECTION 4 FIRST AID MEASURES

#### 4.1 Description of first aid measures

|                     |  |
|---------------------|--|
| <b>Eye Contact</b>  | <p>If this product comes in contact with eyes :</p> <ul style="list-style-type: none"> <li>➢ Wash out immediately with water</li> <li>➢ If irritation continues, seek medical attention.</li> <li>➢ Removal of contact lenses after an eye injury should only be undertaken by skilled personnel.</li> </ul> |
| <b>Skin Contact</b> | <p>If skin or hair contact occurs:</p> <ul style="list-style-type: none"> <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> <li>➢ Immediately give a glass of water.</li> </ul>  |
| <b>Ingestion</b>    | <ul style="list-style-type: none"> <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 | <ul style="list-style-type: none"> <li>➢ Avoid contamination with oxidizing agents i.e. nitrates, oxidizing acids, chlorine acids, chlorine bleaches, pool chlorine etc. as ignition may results.</li> </ul> |
|----------------------|--|

#### 5.3 Advice for firefighters

|               |   |
|---------------|---|
| Fire fighting | <ul style="list-style-type: none"> <li>➢ Alert Fire Brigade and tell them location and nature of hazard.</li> <li>➢ Wear full body protective clothing with breathing apparatus.</li> </ul> |
|---------------|---|

### 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

- Minor spills**
- Remove all ignitions sources.
  - Clean up all spills immediately.
  - 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 incompatibilities

#### 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

|  |   |
|--|---|
| Physical state                                 | Liquid  |
| Color  | Colourless  |
| Form   | Liquid  |
| Odor   | Odorless  |
| Odour threshold                                | Not applicable  |
| pH   | Not applicable  |
| Melting point/Pour point                       | < -18°C (ASTM D-97)   |
| Flash point                                    | Closed cup: > 140°C   |
| Evaporation rate                               | <1 (n-butyl acetate = 1)  |
| Flammability (solid, gas)                      | Not applicable  |
| Flammability limits in air, lower, % by volume | No data   |
| Flammability limits in air, upper, % by volume | No data   |
| Vapour pressure                                | <0.013 kPa (<0.1 mm Hg) [room temperature]                            |
| Vapour density                                 | >1 [Air = 1]  |
| Density  | 0.810 to 0.830 at 29.5°C  |
| Solubility(ies)                                |   |
| Solubility (water)                             | Insoluble   |
| Partition coefficient (n-octanol/water)        | Not available   |
| Decomposition temperature                      | No Data   |
| Auto-ignition temperature                      | > 200°C   |
| Viscosity, Kinematic at 40°C (104°F)           | 0.07 cm <sup>2</sup> /s to 0.09 cm <sup>2</sup> /s (7.00 to 9.00 cSt) |
| Explosive properties                           | No Data   |
| Oxidising properties                           | No Data   |

9.2 Other Information Not Available

## SECTION 10 STABILITY AND REACTIVITY

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

## SECTION 11 TOXICOLOGICAL INFORMATION

### 11.1 Information on hazard classes as defined in Regulation (EC) No 1272/2008

#### Classification according to GHS (1272/2008/EC, CLP)

|                                  |  |
|----------------------------------|--|
| Toxic Dose 1 – LD 50             | >5000 mg/kg (oral rat)   |
| Toxic Dose 2 – LD 50             | >5000 mg/kg (Dermal/Rabbit)  |
| Acute toxicity :                 |  |
| Acute toxicity (Oral LD50)       | >5000 mg/kg Rat  |
| Acute toxicity (Inhalation LC50) | >5.53 mg/l (dust/mist) Rat 4 hours   |
| Inhalation                       | Not relevant at normal room temperatures. When heated, irritating vapours may be formed. |
| Ingestion                        | Harmful if swallowed.  |
| Skin contact                     | No specific health warnings noted.   |
| Eye contact                      | No specific health warnings noted.   |
| Health Warnings                  | Observe good chemical hygiene practices.   |
| Route of entry                   | Ingestion. Skin and/or eye contact.  |
| Medical Symptoms                 | Diarrhoea, Nausea, vomiting  |

**11.2 Endocrine disrupting properties** Not listed.  
 There is no additional information

**11.3 Information on other hazards**

**SECTION 12 ECOLOGICAL INFORMATION**
**12.1 Toxicity**

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

**12.2 Persistence and degradability**

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

**12.3 Bio-accumulative 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 Endocrine disrupting properties** Not listed  
 No data available

**12.7 Other adverse effects**
**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**

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

**14.1 UN Number** Not classified as dangerous goods for transport.  
**14.2 UN proper shipping name** Not applicable  
**14.3 Transport hazard class(es)** Not applicable  
**14.4 Packing group** Not applicable  
**14.5 Environmental hazards** Not classified as marine pollutant/environmentally hazardous.  
**14.6 Special precautions for user** Not applicable  
**14.7 Transport in bulk according to Annex II of MARPOL 73/78 and the**

IBC Code

**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**
**Risk Phrases in full** Harmful : May cause lung damage if swallowed.

**R65** Not classified

**NC**
**Hazard Statements in Full** May be fatal if swallowed and enters airways.

**H304**
**Abbreviations** International maritime dangerous goods code.

IMDG – CODE International Civil Aviation Organization

ICAO International air transport association

IATA

**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.