

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

<b>Product name</b>	<b>POWEROIL SAPPHIRE GR H 5000</b>
<b>Synonyms</b>	None
<b>Registration number</b>	Not available

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

<b>Relevant identified uses</b>	Industrial Lubricants, Grease Manufacturing, Hydraulic Oils, Gear Oils, Bar & Chain.
<b>Uses advised against</b>	None known

**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>	hse@apar.com

**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 according to Regulation (EC) No 1272/2008 as amended**

This mixture does not meet the criteria for classification according to Regulation (EC) 1272/2008 as amended

**Classification according to Directive 67/548/EEC or 1999/45/EC as amended**

This preparation does not meet the criteria for classification according to Directive 1999/45/EC as amended.

**Hazard summary**

Physical and chemical Hazards	Not classified
Human Health	Not classified. However, occupational exposure to the mixture or substance(s) may cause adverse health effects.
Environment	Not Classified
Specific hazards	No hazards resulting from the material as supplied.
Main symptoms	Symptoms may include redness, oedema, drying, defatting and cracking of the skin.

**2.2 Label elements**
**Label according to Regulation (EC) No. 1272/2008 as amended**

<b>Contains</b>	Residual oils (petroleum), hydrotreated
<b>Hazard pictograms</b>	None
<b>Signal word</b>	Not applicable.
<b>Hazard statements</b>	Not applicable.
<b>Precautionary statements</b>	
<b>Prevention</b>	Not available.
<b>Response</b>	Not applicable.
<b>Storage</b>	Not applicable.
<b>Disposal</b>	Not applicable.
<b>Supplemental label information</b>	None.

<b>2.3 Other hazards</b>	Not available
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## SECTION 3 COMPOSITION / INFORMATION ON INGREDIENTS

### 3.2 Mixtures

1. CAS No. 2. EC No.	% (Weight)	Name	Classification according to regulation (EC) No.1272/2008(CLP)	Classification (67/548/EEC)
1. 64742-57-0 2. 265-160-8	100	Residual oils (petroleum), hydrotreated	Not classified	Not classified

#### 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> </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

Defatting of the skin.

### 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

- |                     |   |
|---------------------|---|
| <b>Minor spills</b> | <ul style="list-style-type: none"> <li>➢ Remove all ignitions sources.</li> <li>➢ Clean up all spills immediately.</li> <li>➢ Avoid breathing vapours and contact with skin and eyes.</li> <li>➢ Control personal contact with the substance, by using protective equipment.</li> <li>➢ Contain and absorb spill with sand, earth, inert material or vermiculite.</li> <li>➢ Wipe up.</li> <li>➢ Place in a suitable, labelled container for waste disposal.</li> </ul> |
|---------------------|---|

6.3 Reference to other sections For personal protection, see section 8. For waste disposal, see section 13.

## 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

Adequate ventilation should be provided whenever the material is heated or mists are generated. Good general ventilation (typically 10 air changes per hour) should be used. Ventilation rates should be matched to conditions. If applicable, use process enclosures, local exhaust ventilation, or other engineering controls to maintain airborne levels below recommended exposure limits. If exposure limits have not been established, maintain airborne levels to an acceptable level.

#### 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**

<b>Appearance</b>	
Physical state	Liquid
Color	Light Amber to Golden
Form	Liquid
<b>Odor</b>	Mild Petroleum Odour
<b>Odour threshold</b>	Not available
<b>pH</b>	Not applicable
<b>Melting point/Pour point</b>	< 3°C (ASTM D-97)
<b>Flash point</b>	Closed cup: > 270°C
<b>Evaporation rate</b>	Not available
<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>	Not available
<b>Vapour density</b>	No Data
<b>Density</b>	0.890 to 0.920 at 29.5°C
<b>Solubility(ies)</b>	
Solubility (water)	Insoluble
<b>Partition coefficient (n-octanol/water)</b>	Not established
<b>Decomposition temperature</b>	No Data
<b>Auto-ignition temperature</b>	> 315°C
<b>Viscosity, Kinematic at 40°C (104°F)</b>	8.00 cm <sup>2</sup> /s to 11.00 cm <sup>2</sup> /s (800 cSt to 1100 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>	Strong oxidising agents.
<b>10.2 Chemical stability</b>	Stable
<b>10.3 Possibility of hazardous Reactions</b>	Hazardous polymerization does not occur.
<b>10.4 Conditions to avoid</b>	Avoid temperatures exceeding the flash point.
<b>10.5 Incompatible materials</b>	Strong oxidising agents.
<b>10.6 Hazardous decomposition products</b>	Upon decomposition, this product emits carbon monoxide, carbon dioxide and/or low molecular weight hydrocarbons.

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

<b>Acute toxicity</b>	Not classified.
<b>Skin corrosion/irritation</b>	Not classified. May cause defatting of the skin, but is neither an irritant nor a sensitizer.
<b>Serious eye damage/eye irritation</b>	Not classified.
<b>Respiratory sensitisation</b>	Not classified.
<b>Skin sensitisation</b>	Not classified.
<b>Germ cell mutagenicity Carcinogenicity</b>	Non-mutagenic based on Modified Ames Assay. This product is not considered to be a carcinogen by IARC, ACGIH, NTP, or OSHA. Meets EU requirement of less than 3% (w/w) DMSO extract for total polycyclic aromatic compound (PAC) using IP 346.
<b>Reproductive toxicity</b>	Contains no ingredient listed as toxic to reproduction

<b>Specific target organ toxicity - single exposure</b>	Not classified.
<b>Specific target organ toxicity - repeated exposure</b>	Not classified.
<b>Aspiration hazard</b>	Not classified.
<b>Mixture versus substance information</b>	Not available.
<b>Other information</b>	Not available.

#### SECTION 12 ECOLOGICAL INFORMATION

**12.1 Toxicity** Not expected to be harmful to aquatic organisms.

#### 12.2 Persistence and degradability

**degradability** Not inherently biodegradable.

#### 12.3 Bioaccumulative potential

**Bioaccumulation potential** Bioaccumulation is unlikely to be significant because of the low water solubility of this product.

#### 12.4 Mobility in soil

**Mobility** Not available.

#### 12.5 Results of PBT and vPvB assessment

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

**12.6 Other adverse effects** No other adverse environmental effects (e.g. ozone depletion, photochemical ozone creation potential, endocrine disruption, global warming potential) are expected from this component.

#### SECTION 13 DISPOSAL CONSIDERATIONS

#### 13.1 Waste treatment methods

##### Product / Packaging disposal

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)

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.

**Waste treatment options** Not available

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

**SECTION 15 REGULATORY INFORMATION**
**15.1. Safety, health and environmental regulations / legislation specific for the substance or mixture**
**EU regulations**
**Regulation (EC) No. 2037/2000 on substances that deplete the ozone layer, Annex I**

Not listed.

**Regulation (EC) No. 2037/2000 on substances that deplete the ozone layer, Annex II**

Not listed.

**Regulation (EC) No. 850/2004 on persistent organic pollutants, Annex I**

Not listed.

**Regulation (EC) No. 689/2008 concerning the export and import of dangerous chemicals, Annex I, part 1**

Not listed.

**Regulation (EC) No. 689/2008 concerning the export and import of dangerous chemicals, Annex I, part 2**

Not listed.

**Regulation (EC) No. 689/2008 concerning the export and import of dangerous chemicals, Annex I, part 3**

Not listed.

**Regulation (EC) No. 689/2008 concerning the export and import of dangerous chemicals, Annex V**

Not listed.

**Regulation (EC) No. 166/2006 Annex II Pollutant Release and Transfer Registry**

Not listed.

**Regulation (EC) No. 1907/2006, Article 59(1). Candidate List**

Not listed.

**Authorisations**
**Regulation (EC) No. 1907/2006, REACH Annex XIV Substances subject to authorization, as amended**

Not listed.

**Restrictions on use**
**Regulation (EC) No. 1907/2006 Annex XVII Substances subject to restriction on marketing and use**

Not regulated.

**Directive 2004/37/EC: on the protection of workers from the risks related to exposure to carcinogens and mutagens at work**

Not listed.

**Directive 92/85/EEC: on the safety and health of pregnant workers and workers who have recently given birth or are breastfeeding**

Not listed.

**Directive 98/24/EC on the protection of the health and safety of workers from the risks related to chemical agents at work**

Not listed.

**Directive 94/33/EC on the protection of young people at work**

Not listed.

**Other regulations** :The product is classified and labelled in accordance with EC directives or respective national laws.

This Safety Data Sheet complies with the requirements of Regulation (EC) No 1907/2006.

**National regulations**

Germany: WGK 1

**15.2. Chemical safety assessment**

Chemical Safety Assessment has been carried out.

**National Regulations**

Water Hazard Class (Germany) : WGK 1

**15.2. Chemical safety assessment**

No Chemical Safety Assessment has been carried out.

<b>Inventory status</b>		
<b>Country(s) or region On</b>	<b>Inventory name</b>	<b>On inventory (yes/no)*</b>
Australia	Australian Inventory of Chemical Substances (AICS)	Yes
Canada	Domestic Substances List (DSL)	Yes
Canada	Non-Domestic Substances List (NDSL)	No
China	Inventory of Existing Chemical Substances in China (IECSC)	Yes
Europe	European Inventory of Existing Commercial Chemical Substances (EINECS)	Yes
Europe	European List of Notified Chemical Substances (ELINCS)	No
Japan	Inventory of Existing and New Chemical Substances (ENCS)	Yes
Korea	Existing Chemicals List (ECL)	Yes
New Zealand	New Zealand Inventory	Yes
Philippines	Philippine Inventory of Chemicals and Chemical Substances (PICCS)	Yes

United States & Puerto Rico	Toxic Substances Control Act (TSCA) Inventory	Yes
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\*A "Yes" indicates that all components of this product comply with the inventory requirements administered by the governing country(s)

A "No" indicates that one or more components of the product are not listed or exempt from listing on the inventory administered by the governing country(s).

**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.

**Abbreviations**

IMDG – CODE

International maritime dangerous goods code.

ICAO

International Civil Aviation Organization

IATA

International air transport association