

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

Product name	POWEROIL SAPPHIRE MW L 60
Synonyms	None
Registration number	Not available

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

Relevant identified uses	Metalworking Fluids, Industrial Lubricants
Uses advised against	Not applicable

1.3 Details of the supplier of the safety data sheet

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

1.4 Emergency telephone number

Association / Organisation	Not Available
Emergency telephone numbers	+91 9833811132
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 naphthenic
CLP label elements


Signal word
Hazard statement(s) DANGER

H304
P301+P310 May be fatal if swallowed and enters airways

P331 If SWALLOWED : Immediately call a POISON CENTER/doctor/physician/first aider.

P260 Do NOT induce vomiting.

Precautionary statement(s) Storage Do not breathe gas/fumes/vapour/spray.

P405
Precautionary statement(s) Disposal Store locked up.

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 Substances

1. CAS No. 2. EC No.	% (Weight)	Name	Classification according to regulation (EC) No.1272/2008(CLP)	Classification (67/548/EEC)
1. 64742-53-6 2. 265-156-6	100	Distillates (petroleum), hydrotreated light naphthenic	Aspiration Hazard Category 1 : H304	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

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

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 (CO₂).
- 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

- 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.

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 Provide adequate ventilation, including appropriate local extraction, to ensure that the defined occupational exposure limit is not exceeded.

8.2.2 Personal protection



Eye and face protection	<ul style="list-style-type: none"> ➤ 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	<p>No special equipment needed when handling small quantities.</p> <p>OTHERWISE:</p> <p>Overalls. Barrier cream. Eyewash unit.</p>
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 to slight yellow tint
Form	Liquid
Odor	Mild petroleum odour
Odour threshold	Not applicable
pH	Not applicable
Melting point/Pour point	< -36°C (ASTM D-97)
Flash point	Closed cup: > 140°C
Evaporation rate	Not available
Flammability (solid, gas)	Not available
Flammability limits in air, lower, % by volume	Not available
Flammability limits in air, upper, % by volume	Not available
Vapour pressure	Not available
Vapour density	No Data
Density	0.890 at 15°C
Solubility(ies)	
Solubility (water)	Insoluble
Partition coefficient (n-octanol/water)	Not available
Decomposition temperature	No Data
Auto-ignition temperature	> 210°C
Viscosity, Kinematic at 40°C (104°F)	0.09 cm ² /s to 0.11 cm ² /s (9.00 to 11.00 cSt)
Explosive properties	No Data
Oxidising properties	No Data

9.2 Other Information	Not Available
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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. No specific data.
10.4 Conditions to avoid	No specific data.
10.5 Incompatible materials	Under normal conditions of storage and use, hazardous decomposition products should not be produced.
10.6 Hazardous decomposition products	

SECTION 11 TOXICOLOGICAL INFORMATION
11.1 Information on toxicological effects

Acute toxicity	Not applicable
Skin corrosion/irritation	May cause defatting of the skin, but is neither an irritant nor a sensitizer.
Serious eye damage/eye irritation	Not classified. May cause minor irritation on eye contact.
Respiratory sensitisation	Not classified.
Skin sensitisation	Not classified. May cause defatting of the skin, but is not an irritant.
Germ cell mutagenicity	No data available to indicate product or any components present at greater than 0.1% are mutagenic or genotoxic.
Carcinogenicity	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.
Reproductive toxicity	Contains no ingredient listed as toxic to reproduction
Specific target organ toxicity - single exposure	Not classified.
Specific target organ toxicity - repeated exposure	Not classified.
Aspiration hazard	May be fatal if swallowed and enters airways.
Mixture versus substance information	Not available.
Other information	Risk of chemical pneumonia after aspiration.

SECTION 12 ECOLOGICAL INFORMATION

12.1 Toxicity Not expected to be harmful to aquatic organisms.

12.2 Persistence and degradability

degradability	The product is not readily biodegradable.
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12.3 Bioaccumulative potential

Bioaccumulation potential	Bioaccumulation is unlikely to be significant because of the low water solubility of this product.
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12.4 Mobility in soil

Mobility	Not available.
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12.5 Results of PBT and vPvB assessment

	P	B	T
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

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

Not applicable

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

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

No 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.

Inventory status Country(s) or region On	Inventory name	On inventory (yes/no)*
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

*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).

SECTION 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.