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

1.1 Product Identifier

Product name	**POWEROIL OPAL L 85**
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 indentified uses	Lubricating Oil Base Stock
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 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. 2. EC No.	% (Weight)	Name	Classification according to regulation (EC) No.1272/2008(CLP)	Classification (67/548/EEC)
1. 64742-55-8 2. 265-158-7	100	Distillates (petroleum), 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

Eye Contact

If this product comes in contact with eyes :
- 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:
- 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

- 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.

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	
Physical state	Liquid
Color	Colourless
Form	Liquid
Odor	Odorless
Odour threshold	Not applicable
pH	Not applicable
Melting point/Pour point	< -15°C (ASTM D-97)
Flash point	Closed cup: > 170°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	0.850 at 15°C
Solubility(ies)	
Solubility (water)	Insoluble
Partition coefficient (n-octanol/water)	Not available
Decomposition temperature	No Data
Auto-ignition temperature	> 250°C
Viscosity, Kinematic at 40°C (104°F)	0.15 cm^2/s to 0.18 cm^2/s (15.00 to 18.00 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 toxicological effects

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

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

degradability	The product is not readily biodegradable.

12.3 Bioaccumulative potential

Bioaccumulation potential	Will not bio-accumulate

12.4 Mobility in soil

Mobility	The product is insoluble in water and will spread on the water surface.

12.5 Results of PBT and vPvB assessment

	P	B	T
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

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 Annex II of MARPOL 73/78 and the IBC Code	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

Risk Phrases in full

R65	Harmful : May cause lung damage if swallowed.
NC	Not classified

Hazard Statements in Full

H304	May be fatal if swallowed and enters airways.

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.