

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

Product name	POWEROIL CITRINE N 5000
Synonyms	None
Registration number	Not available

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

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

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 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

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

2.3 Other hazards

Not available

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

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

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 (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 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

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

Appearance	
Physical state	Liquid
Color	Light Amber to Golden
Form	Liquid
Odor	Mild Petroleum Odour
Odour threshold	Not available
pH	Not applicable
Melting point/Pour point	< 3°C (ASTM D-97)
Flash point	Closed cup: > 270°C
Evaporation rate	Not available
Flammability (solid, gas)	Not applicable
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 to 0.920 at 29.5°C
Solubility(ies)	
Solubility (water)	Insoluble
Partition coefficient (n-octanol/water)	Not established
Decomposition temperature	No Data
Auto-ignition temperature	> 315°C
Viscosity, Kinematic at 40°C (104°F)	8.00 cm ² /s to 11.00 cm ² /s (800 cSt to 1100 cSt)
Explosive properties	No Data
Oxidising properties	

9.2 Other Information Not Available

SECTION 10 STABILITY AND REACTIVITY

10.1 Reactivity	Strong oxidising agents.
10.2 Chemical stability	Stable
10.3 Possibility of hazardous Reactions	Hazardous polymerization does not occur. Avoid temperatures exceeding the flash point.
10.4 Conditions to avoid	Strong oxidising agents.
10.5 Incompatible materials	Upon decomposition, this product emits carbon monoxide, carbon dioxide and/or low
10.6 Hazardous decomposition products	molecular weight hydrocarbons.

SECTION 11 TOXICOLOGICAL INFORMATION

11.1 Information on toxicological effects

Acute toxicity	Not classified.
Skin corrosion/irritation	Not classified. May cause defatting of the skin, but is neither an irritant nor a sensitizer.
Serious eye damage/eye irritation	Not classified.
Respiratory sensitisation	Not classified.
Skin sensitisation	Not classified.
Germ cell mutagenicity	Non-mutagenic based on Modified Ames Assay.

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	Not available.
Mixture versus substance information	Not available.
Other information	

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			
	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	<p>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.</p> <p>A Hierarchy of Controls seems to be common - the user should investigate:</p> <ul style="list-style-type: none"> ➤ Reduction ➤ Reuse ➤ Recycling ➤ Disposal (if all else fails) <p>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.</p>
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

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.

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).

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

ICAO

IATA

International maritime dangerous goods code.

International Civil Aviation Organization

International air transport association