

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

<b>Product identifier</b>	<b>POWEROIL CITRINE H 2500</b>
<b>Other means of identification</b>	Not available.
<b>Recommended use</b>	Industrial Lubricants, Grease Manufacturing, Hydraulic Oils, Gear Oils, Heavy Duty Engine Oil, Bar & Chain, Carriers & Diluents, Engine Oil.
<b>Recommended restrictions</b>	None known.
<b>Manufacturer/Importer/Supplier/Distributor information</b>	
<b>Manufacturer</b>	
<b>Manufacturer:</b>	APAR INDUSTRIES LIMITED,
<b>Address:</b>	18.TTC, MIDC Area, Thane Belapur Road, Rabale, Navi Mumbai -400 701. INDIA
<b>E-mail:</b>	<a href="mailto:hse@apar.com">hse@apar.com</a>
<b>Emergency Contacts</b>	+91 9833811132

**SECTION 2 HAZARD IDENTIFICATION**

<b>Physical hazards Health</b>	Not classified
<b>Hazards Environmental</b>	Not classified
<b>Hazards OSHA defined</b>	Not classified
<b>Hazards</b>	Not classified
<b>Label elements</b>	
<b>Hazard symbol</b>	None
<b>Signal word</b>	Not Applicable
<b>Hazard statement</b>	Not Applicable
<b>Prevention</b>	Not Applicable
<b>Response</b>	Not Applicable
<b>Storage</b>	Not Applicable
<b>Disposal</b>	Not Applicable
<b>Hazard(s) not otherwise classified (HNOC)</b>	See section 11 of the SDS for additional information on health hazards.
<b>Supplemental information</b>	None

**SECTION 3 COMPOSITION / INFORMATION ON INGREDIENTS**

## 3.1 Substance

Ingredient Name	% (Weight)	CAS No.	EC No.
Residual oils (petroleum), solvent-dewaxed	100	64742-62-7	265-166-0

**Composition comments :** Components not listed are below the required disclosure threshold per OSHA 29 CFR 1910.1200.

**SECTION 4 FIRST AID MEASURES**

## 4.1 Description of first aid measures

<b>Eye Contact</b>	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.
<b>Skin Contact</b>	If skin or hair contact occurs: ➤ Flush skin and hair with running water (and soap if available). ➤ Seek medical attention in event of irritation.
<b>Inhalation</b>	➤ If fumes, aerosol or combustion products are inhaled remove from contaminated area. Other measures are usually unnecessary.
<b>Ingestion</b>	➤ 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 (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

- 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

**Occupational exposure limits** No exposure limits noted for ingredient(s).

**Biological limit values** No biological exposure limits noted for the ingredient(s).

**Appropriate engineering controls** Adequate ventilation should be provided whenever the material is heated or mists are generated. Provide adequate ventilation, including appropriate local extraction, to ensure that the defined occupational exposure limit is not exceeded.

### Individual protection measures, such as personal protective equipment

**Eye/face protection** : Goggles/face shield are recommended.

**Hand protection** : Chemical resistant gloves are recommended. If contact with forearms is likely wear gauntlet style gloves.

**Other** : Chemical/oil resistant clothing is recommended. Launder contaminated clothing before reuse.

**Respiratory protection** : Under normal conditions, respirator is not normally required.

**Thermal hazards** : Not available.

**General hygiene considerations** Always observe good personal hygiene measures, such as washing after handling the material and before eating, drinking, and/or smoking. Routinely wash work clothing to remove contaminants.

Discard contaminated footwear that cannot be cleaned

## Section 9. Physical and chemical properties

Appearance

Physical state : Liquid. [Viscous liquid.]

Color : Amber.

Odor : Characteristic Hydrocarbon.

Odor threshold : Not available.

pH : Not available.

Melting point/Freezing Point : 3°C

Boiling point : >400°C

Flash point : Open cup: >270°C [Cleveland.]

Evaporation rate : Not available.

Flammability (solid, gas) : Not available.

Lower and upper explosive (flammable) limits : Not available.

Vapor pressure : Not available.

Vapor density : Not available.

Density : 0.880 to 0.900 gm/ml at 29.5°C

Solubility : Insoluble in the following materials: cold water and hot water.

Partition coefficient: n- octanol : Not Available

Auto-ignition temperature : Not available.

Decomposition temperature : Not available.

Viscosity : Kinematic (40°C (104°F)): 4.40 to 5.10 cm<sup>2</sup>/s (440 to 510 cSt)

## Section 10. Stability and reactivity

Reactivity The product is stable and non-reactive under normal conditions of use, storage and transport

Chemical stability Stable

Possibility of hazardous reactions Hazardous polymerization does not occur.

Conditions to avoid Heat, flames and sparks. Avoid temperatures exceeding the flash point.

Incompatible materials Strong oxidizing agents.

Hazardous decomposition products Upon decomposition, this product emits carbon monoxide, carbon dioxide and/or low molecular weight hydrocarbons.

### Section 11. Toxicological information

#### Information on likely routes of exposure

Ingestion	May cause gastrointestinal discomfort if swallowed. Do not induce vomiting. Vomiting may increase risk of product aspiration.
Inhalation	May be harmful if inhaled. However, this product does not currently meet the criteria for classification.
Skin contact	Frequent or prolonged contact may defat and dry the skin, leading to discomfort and dermatitis
Eye contact	May be irritating to eyes.
Symptoms related to the physical, chemical and toxicological characteristics	Not available.

#### 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 or skin sensitization Respiratory

sensitization	Not classified
Skin sensitization	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.

#### US. OSHA Specifically Regulated Substances (29 CFR 1910.1001-1050)

Not listed.

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 classified
Chronic effects	Prolonged or repeated contact may cause drying, cracking, or irritation of the skin.

### Section 12. Ecological information

Ecotoxicity	Not expected to be harmful to aquatic organisms.
Persistence and degradability	Not inherently biodegradable.
Bioaccumulative potential	Bioaccumulation is unlikely to be significant because of the low water solubility of this product.
Mobility in soil	Not available.
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

Disposal instructions	When this product as supplied is to be discarded as waste, it does not meet the definition of a RCRA waste under 40 CFR 261. Disposal recommendations are based on material as supplied. Disposal must be in accordance with current applicable laws and regulations, and material characteristics at time of disposal.
Hazardous waste code	Not applicable.

Waste from residues / unused products      Dispose of in accordance with local regulations. Avoid discharge into water courses or onto the ground.

Contaminated packaging      Empty containers should be taken to an approved waste handling site for recycling or disposal. Since emptied containers may retain product residue, follow label warnings even after container is emptied. Offer rinsed packaging material to local recycling facilities.

**Section 14. Transport information**

DOT      Not regulated as dangerous goods

IATA      Not regulated as dangerous goods

IMDG      Not regulated as dangerous goods

Transport in bulk according to Annex II of MARPOL 73/78 and the IBC Code      Not available.

**Section 15. Transport information**

US federal regulations      This product is not known to be a "Hazardous Chemical" as defined by the OSHA Hazard Communication Standard, 29 CFR 1910.1200.  
All components are on the U.S. EPA TSCA Inventory List.

<b>Inventory status</b>		<b>On inventory (yes/no)*</b>
<b>Country(s) or region On</b>	<b>Inventory name</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	Yes
Europe	(EINECS)	Yes
Japan	European List of Notified Chemical Substances (ELINCS)	No
Korea	Inventory of Existing and New Chemical Substances (ENCs)	Yes
New Zealand	Existing Chemicals List (ECL)	Yes
Philippines	New Zealand Inventory	Yes
United States & Puerto Rico	Philippine Inventory of Chemicals and Chemical Substances (PICCS)	Yes
	Toxic Substances Control Act (TSCA) Inventory	

\*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**

**Key to abbreviations** :

- BCF = Bio concentration Factor
- GHS = Globally Harmonized System of Classification and Labelling of Chemicals
- IATA = International Air Transport Association
- IBC = Intermediate Bulk Container
- IMDG = International Maritime Dangerous Goods
- LogPow = logarithm of the octanol/water partition coefficient
- MARPOL 73/78 = International Convention for the Prevention of Pollution From Ships, 1973 as modified by the Protocol of 1978. ("Marpol" = marine pollution)
- UN = United Nations

**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.