Conforms to Regulation (EC) No. 1907/2006 (REACH)

Apar Industries Limited

Material Safety Data Sheet

POWEROIL TOPAZ H 500

Section 1 - Chemical Product and Company Identification

Product Name : **POWEROIL TOPAZ H 500**
(WHITE OIL HEAVY)

Manufacturer : Apar Industries Limited, 18 T.T.C M.I.D.C Indl. Area , Rabale , Navi Mumbai, Thane Belapur Road , Thane – 400701. India.

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Section 2 - Hazardous Identification

Potential Health Effects

Primary Entry Route : Skin

Inhalation : Inhalation of vapors or mist may be irritating to respiratory passages. Prolonged exposure may result in dizziness and nausea. Target Organ for mineral oil mist is lungs.

Eye : Eye contact may result in slight irritation and redness.

Skin : Short term contact with skin is unlikely to cause any problems ; excessive or prolonged and repeated contact and poor hygiene conditions many result in dryness, dermatitis, oil acne, cracking and defatting of the skin. Personnel with pre-existing skin disorders should avoid contact with this product.

Carcinogenicity : Based on OSHA 1910.1200 and IARC study requirements, this product does not require labeling. Meets EU requirement of less than 1 % (w/w) DMSO extract for total polycyclic compound (PAC) using IP-346.
NTP and OSHA do not list this product as a potential carcinogen.

Ingestion : May result in nausea or stomach discomfort.

Section 3 - Composition And Information On Hazardous Ingredients

Ingredient	CAS Number	EINECS No.	Percentage	R 50/53
White Mineral oil	8042-47-5	232-455-8	100	No

Section 4 - First Aid Measures

Inhalation : Move exposed person to fresh air. Inhalation of vapours and/or mists might irritate respiratory tract. Get medical attention if symptoms occur.

Ingestion : Wash out mouth with water. Do not induce vomiting. Get medical attention if symptoms occur.

Skin contact : Remove contaminated clothing and shoes. Wash contaminated skin with soap and water. Get medical attention if symptoms occur.

Eye contact : Check for and remove any contact lenses. immediately flush eyes with running water for at least 5 minutes, keeping eyelids open. Seek medical attention if irritation persists.

Protection of first-aides : No action shall be taken involving any personal risk or without suitable training.

Section 5 - Fire Fighting Measures

Suitable : Use dry chemical, CO_2 , water spray (fog) or foam.

Not suitable : Do not use water jet.

Special protective equipment for fire-fighters : Fire-fighter should wear appropriate protective equipment and self-contained breathing apparatus (SCBA) with a full face-piece operated in positive pressure mode.

Section 6 - Accidental release Measures	
Personal precautions	: No action shall be taken involving any personal risk or without suitable training. Put on appropriate personal protection equipment (see section 8)
Environmental precautions	: Prevent entry into sewers, water courses, basements or confined areas. Inform the relevant authorities if the product has caused environmental pollution (sewers, waterways, soil or air)
Small spill	: Smaller spillage can be wiped up with paper cloths.
Large spill	: Stop leak if without risk. Contain and collect spillage with non-combustible, absorbent material e.g. sand, earth, vermiculite or diatomaceous earth and place in container for disposal according to local regulations. (see section 13)
Section 7 - Handling and Storage	
Handling	: Put on appropriate personal protective equipment (see section 8). Avoid contact with eyes,skin and clothing. Avoid breathing vapour or mist. Do not ingest. Wash hands after handling. Eating, drinking and smoking should be prohibited in areas where this material is handled, stored and processed. If handled at elevated temperatures or with high speed mechanicals equipment, vapour or mists might be released and require a well ventilated workplace.
Storage	: Store in accordance with local regulations. Store in original container protected from direct sunlight in a dry, cool and well-ventillated area, away from incompatible materials (see section 10) and food and drink.
Section 8 - Exposure Controls / Personal Protection	
Recommended monitoring procedures	: If this product contains ingredients with exposure limits, personal, workplace atmosphere or biological monitoring may be required to determine the effectiveness of the ventilation or other control measures and/or the necessity to use respiratory protective equipment.
Occupational exposure controls	: Mechanical ventilation and local exhaust will reduce exposure via the air. Use oil resistant material in construction of handling equipment. Store under recommended conditions and if heated, temperature control equipment should be used to avoid overheating.
Hygiene measures	: Handle in accordance with good industrial hygiene and safety practices
Respiratory protection	: If the product is heated under manual handling, use suitable mask with filter A1P2 or A2P2. Handling in automatic production lines, with exhaust or ventilation, will not require mask.
Hand protection	: Wear oil-resistant protective gloves (e.g.nitril rubber), neoprene PVC
Eye protection	: If potential exists for splashing, use goggles.
Skin protection	: Wear protection clothing if there is a risk of skin contact. Wash contaminated clothing before reuse.

Section 9 - Physical and Chemical Properties

General information

Appearance	
Physical state	: Liquid
Color	: Water White
Odor	: Odourless
Important health, safety and environmental information	
Boiling point	: > 320°C
Melting point/Pour point	: -12°C Typical
Flash point	: Open cup : 260°C Typical
Solubility .	: Insoluble in water
Viscosity	: Kinematic (40°C) : 90 to 110 cSt
Density	: 0.850 to 0.880 at 25°C
DMSO extractible compound for base oil substance according to IP-346	: < 1 %
Auto-ignition temperature	: > 300°C

Section 10 - Stability and reactivity

Chemical Stability	: Stable under normal conditions
Conditions to avoid	: Oxidising agent
Hazardous decomposition product	: This may result in the evolution of harmful and flammable gases or vapours
Material to avoid	: No specific data
Hazardous decomposition product	: Under normal conditions of storage and use, hazardous decomposition products should not be produced.

Section 11 - Toxicological Information

Potential acute health effects

Acute toxicity	: Low acute toxicity
Ingestion	: Ingestion may cause nausea and eventually vomitting and diarrhoea
Inhalation	: Inhalation of oil mist or vapours at elevated temperatures may cause respiratory irratation.
Skin	: Repeated exposure may cause skin dryness or cracking
Eye	: Eye contact may redness and transient pain

Potential chronic health effects

Chronic effects	: Inhalation of oil mist or vapours at elevated temperatures may cause respiratory.

Section 12 - Ecological Information

Ecotoxicity	: Aquatic toxicity data on base oils indicates LC50 values of >1000mg/l, which is considered as low toxicity.
Mobility	: Low mobility due to low water solubility and high viscosity.
Persistence/degradability	: Inherently biodegradable.
Bioaccumulative potential	: Model suggest that petroleum oils may bioaccumulate but the bioavailability limitations may reduce this potential.
	: Spills may form a film on water surfaces causing physical damage to organisms. Oxygen transfer could also be impaired.
Other adverse effects	: Spills may form a film on water surfaces

Section 13 - Disposal Considerations

Methods of disposal : The generation of waste should be avoided or minimised wherever possible.
Empty containers or liners may retain some product residues.
This material and its container must be disposed of in a safe way.
Dispose of surplus and non-recyclable products via a licensed waste disposal contractor.
Disposal of this product, solutions and by-products should at all times comply with the requirements of environmental protection and waste disposal legislation and any regional local authority requirements.

Section 14 - Transport Information

International transport regulations

This product is not regulated for carriage according to ADR/RID, IMDG, ICAO/IATA.

Section 15 - Regulatory Information

EINECS No.	: See section-3
Risk Phrases (EU Classification)	: None
Symbols (EU Classification)	: None
Safety Phrases (EU Classification)	: None

Section 16 - Other Information

Hazard Rating

0 = Least 1 = Slight 2 = Moderate
3 = High 4 = Extreme

NFPA/HMIS Classification

Health	=	0
Fire	=	1
Reactivity	=	0

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