Apar Industries Limited  

**Material Safety Data Sheet.**

### Section 1 – Chemical Product and Company Identification

<table>
<thead>
<tr>
<th>Product Name</th>
<th>Power Metcut Premium</th>
</tr>
</thead>
<tbody>
<tr>
<td>Chemical Family</td>
<td>Water Soluble Cutting oil</td>
</tr>
<tr>
<td>Chemical Formula</td>
<td>Not Applicable</td>
</tr>
<tr>
<td>CAS Number</td>
<td>64742-55-8 / 64742-52-5</td>
</tr>
<tr>
<td>Company Contact</td>
<td>Phone Number: +91-22-61110444. Fax Number: +91-22-27602692</td>
</tr>
</tbody>
</table>

**EMERGENCY TELEPHONE NUMBERS:** Apar Industries Limited: +91-(0)-9324672241

### Section 2 Composition And Information On Hazardous Ingredients

Contains refined Naphthenic & paraffinic mineral base oils, emulsifiers and corrosion inhibitors, with coupling agents and additional performance additives.

Note – The above components may not necessarily constitute the complete composition of the product.

### Section 3 Hazardous Identification

**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 may result in dryness, dermatitis, oil acne, cracking and defatting of the skin. Personnel with pre-existing skin disorders should avoid contact with this product.

**Ingestion:** May result in nausea or stomach discomfort.

### Section 4 – First Aid Measures

**Eye Contact:** Flush eyes immediately with plenty of water 15 minutes or until irritation. If redness persists, seek medical help.

**Skin Contact:** Wash thoroughly with soap and water. Remove contaminated clothing. Reuse only after cleaning.

**Inhalation:** Remove to fresh air. Assist breathing if necessary. Seek medical help.

**Aspiration:** If there is any suspicion of aspiration into the lungs obtain medical advice.

**Ingestion:** If swallowed, observe for signs of stomach discomfort or nausea. If symptoms persist, seek medical help. Do induce vomiting.

### Section 5 – Fire-Fighting Measures

**Flash Point:** >150 °C  
**Flash Point Method:** PMCC

**Auto ignition Temperature:** > 200 dec C (Based on components)

**Lower Explosive Level (LEL):** Not determined  
**Upper Explosive Limit (UEL):** Not determined

**Flammability Classification:** OSHA Class III-B Combustible Liquid

**Extinguishing Media:** Dry Chemical Powder, Foam, CO2 and water or fog. Water may be used to cool below flash point.

**Unusual Fire or Explosion Hazards:** Do not use forced stream as this could cause fire to spread.

**Combustion Products:** Fumes, Smoke, and Carbon monoxide.

**Fire-fighting Instruction and Equipment:** Use waste to cool containers exposed to flames. Do not enter enclosed or a confined work space without proper protective equipment. Fire fighting personnel should wear respiratory protection (positive pressure if available).
### Section - 6- Accidental release Measures

**Spill / Leak Procedures**: Stop spill at source if possible without risk. Contain spill. Eliminate sources of ignition. Spill area will be slick. Recover all possible material for reclamation. Use non-flammable absorbent material to pick up remainder of spill.

**Spill to navigable Waters**: If this material is spilled into navigable waters and creates a white emulsion, it is reportable to Local Response Centre.

### Section 7 – Handling and Storage

**Handling and storage Precautions**: Keep away from flames, sparks or hot surfaces. Never use a torch to cut or weld on or near container. Empty oil containers can contain explosive vapors. NFPA Class IIIB storage. Wash thoroughly after handling.

**Work / Hygienic Practices**: Wash hands with soap and water before eating, drinking, smoking or use of toilet facilities. Take shower after work if general contact occurs. Remove oil-soaked and launder before reuse. Discard contaminated shoes and leather gloves.

### Section 8 – Exposure Controls / Personal Protection

**Engineering Controls**: Adequate ventilation is required where excessive heating or agitation may occur to maintain concentration below exposures limits.

**Eye / Face Protection**: Safety glasses or face shield where splashing is possible.

**Skin Protection**: Avoid prolonged and or repeated skin contact. If prolonged contact cannot be avoided, wear protective gloves (solvent resistant gloves) and clothing.

**Respiratory Protection**: Normally not required. Respirator should be used in areas where vapor concentration are excessive due to high temperatures or where oil misting occurs.

### Section 9 – Physical and Chemical Properties

<table>
<thead>
<tr>
<th>Property</th>
<th>Value</th>
</tr>
</thead>
<tbody>
<tr>
<td>Appearance</td>
<td>Clear liquid</td>
</tr>
<tr>
<td>Odor</td>
<td>Mild petroleum odor.</td>
</tr>
<tr>
<td>Specific Gravity (Water =1)</td>
<td>0.88 – 0.9</td>
</tr>
<tr>
<td>Solubility in water</td>
<td>Soluble</td>
</tr>
<tr>
<td>Melting Point</td>
<td>&lt; 0°C</td>
</tr>
<tr>
<td>Boiling Point</td>
<td>&gt; 200°C</td>
</tr>
<tr>
<td>% Volatiles by volume @ 21°C (70°F)</td>
<td>Nil</td>
</tr>
<tr>
<td>Water is the most significant volatile component</td>
<td>No Data, Water is the most significant volatile component</td>
</tr>
<tr>
<td>pH</td>
<td>9.2</td>
</tr>
<tr>
<td>Vapor Pressure (mm Hg)</td>
<td>No Data, Water is the most significant volatile component</td>
</tr>
<tr>
<td>Vapor Density (Air = 1)</td>
<td>&gt;10</td>
</tr>
</tbody>
</table>

### Section 10 – Stability and reactivity

**Stability**: Stable under ordinary conditions of use and storage.

**Polymerization**: Polymerization will not occur.

**Chemical Incompatibilities**: Strong oxidizers.

**Condition to Avoid**: Source of ignition

**Hazardous Decomposition Products**: Combustion may produce carbon monoxide and carbon dioxide.

### Section 11 – Toxicological Information

**Eyes Effects**: Minimal irritation on contact.

**Skin Effects**: Practically non-toxic if absorbed. May cause mild irritation with prolonged and repeated exposure.

**Acute Oral Effects**: Tests on similar material indicate low order of acute oral toxicity.

**Acute Inhalation Effects**: Low acute toxicity expected on inhalation.
Section 12 – Ecological Information

Environmental Fate: No information found.
Environmental Toxicity: No information found.

Section 13 – Disposal Considerations

Follow National, State and Local regulations. Not a RCRA hazardous waste if uncontaminated. If “used”, RCRA criteria must be determined. Do not flush to drain/storm sewer. If permitted incineration may be practical. Consider recycling.

Section 14- Transport Information

DOT Shipping Label: Not regulated by DOT

Section 15- Regulatory Information

CERCLA/SARA:
302/303/304 categories: Extremely hazardous substances: None
311/312 categories: Immediate (acute) Health Effects: No
Delayed (chronic) health effects: No
Fire Hazards: No

313 categories:
Toxic Chemicals (40 CFR 372): None

Clean Air act:
Hazardous Air Pollutants (HAPS): None
Ozone depleting Compounds (ODC): None

OSHA (29CFR 1910):
This product is not hazardous under Hazard Communication Standard 29 CFR 1910.1200

EPA/TSCA Inventory:
The components of this product are listed on the EPA/TSCA inventory of chemicals.

Section 16- Other Information

<table>
<thead>
<tr>
<th>Hazard Rating</th>
<th>NFPA/HMIS Classification</th>
</tr>
</thead>
<tbody>
<tr>
<td>0 = Least</td>
<td>Health = 1</td>
</tr>
<tr>
<td>1 = Slight</td>
<td>Fire = 1</td>
</tr>
<tr>
<td>2 = Moderate</td>
<td>Reactivity = 1</td>
</tr>
<tr>
<td>3 = High</td>
<td></td>
</tr>
<tr>
<td>4 = Extreme</td>
<td></td>
</tr>
</tbody>
</table>

Prepared By: SHE Department.

Revision Information: Date of preparation: 1st September 2014

Disclaimer:

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