



### Section 1 – Chemical Product and Company Identification

Product Name : POWER SAFE FLUID SG 46  
 Manufacturer : Apar Industries Limited, 18 T.T.C M.I.D.C Indl. Area , Rabale , Navi Mumbai,  
 Thane Belapur Road , Thane – 400701. India.  
 Company Contact : Phone Number : + 91 - 22 - 27694756 / 27694757  
 EMERGENCY TELEPHONE NUMBERS : Apar Industries Limited : + 91 - 0 - 9833811132

### Section 2 - Composition Information On Ingredients

Ingredient	CAS Number	Percentage
DI ETHANEDIOL	111-46-6	25-50
N,N-DIETHYLETHANAMINE	121-44-8	1-5

### Section –3 Hazardous Identification

**Physical/chemical hazards** Not classified as hazardous.  
**Health hazards** Harmful if swallowed. Irritating to eyes and skin.  
**Environmental hazards** Not classified as hazardous.  
**Effects and symptoms**  
**Eyes** Causes eye irritation.  
**Skin** Causes skin irritation.  
**Inhalation** No significant health hazards identified.  
**Ingestion** Harmful if swallowed

### Section 4 – First Aid Measures

### Section 5 – Fire –Fighting Measures

**Extinguishing media**  
**Suitable** In case of fire, use water fog, alcohol resistant foam, dry chemical or carbon dioxide extinguisher or spray.  
**Not suitable** Do not use water jet.

**Hazardous decomposition Products** Decomposition products may include the following materials:  
 carbon dioxide  
 carbon monoxide  
 nitrogen oxides

**Unusual fire/explosion Hazards** In a fire or if heated, a pressure increase will occur and the container may burst.

**Special fire-fighting Procedures** No action shall be taken involving any personal risk or without suitable training. Promptly isolate the scene by removing all persons from the vicinity of the incident if there is a fire.

**Protection of fire-fighters** Fire-fighters 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. Evacuate surrounding areas. Keep unnecessary and unprotected personnel from entering. Do not touch or walk through spilt material. Avoid breathing vapour or mist. Provide adequate ventilation. Wear appropriate respirator when ventilation is inadequate. Put on appropriate personal protective equipment (see

<p><b>Environmental precautions:</b> Avoid dispersal of spilt material and runoff and contact with soil, waterways, drains and sewers. Inform the relevant authorities if the product has caused environmental pollution (sewers, waterways, soil or air).</p> <p><b>Large spill</b></p> <p><b>Small spill</b></p>	<p>Section 8).</p> <p>: Stop leak if without risk. Move containers from spill area. Approach the release from upwind. Prevent entry into sewers, water courses, basements or confined areas. Wash spillages into an effluent treatment plant or proceed as follows. 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. Dispose of via a licensed waste disposal contractor. Contaminated absorbent material may pose the same hazard as the spilt product.</p> <p>: Stop leak if without risk. Move containers from spill area. Dilute with water and mop up if watersoluble. Alternatively, or if water-insoluble, absorb with an inert dry material and place in an appropriate waste disposal container. Dispose of via a licensed waste disposal contractor.</p>
<p><b>Section 7 – Handling and Storage.</b></p>	
<p><b>Handling</b></p> <p><b>Storage</b></p>	<p>: Put on appropriate personal protective equipment. Do not ingest. Avoid contact with eyes, skin and clothing. Avoid breathing vapour or mist. Keep in the original container or an approved alternative made from a compatible material, kept tightly closed when not in use. Do not reuse container. Empty containers retain product residue and can be hazardous.</p> <p>: Store and use only in equipment/containers designed for use with this product. Keep away from heat and direct sunlight. Keep container tightly closed and sealed until ready for use. Containers that have been opened must be carefully resealed and kept upright to prevent leakage. Do not store in unlabelled containers. Store in accordance with local regulations. Store in a dry, cool and wellventilated area, away from incompatible materials (see Section 10).</p>
<p><b>Section 8 – Exposure Controls / Personal Protection</b></p>	
<p><b>INGREDIENT NAME</b> N,N-diethylethanamine</p> <p><b>EXPOSURE CONTROLS</b> <b>Occupational exposure</b></p> <p><b>Hygiene measures</b></p> <p><b>PERSONAL PROTECTIVE EQUIPMENT</b> <b>Respiratory protection</b></p>	<p style="text-align: center;"><b>OCCUPATIONAL EXPOSURE LIMITS</b></p> <p style="text-align: center;"><b>NIOSH</b> :200 ppm IDLH</p> <p style="text-align: center;"><b>OSHA - Final PEL</b> : 25 ppm TWA; 100 mg/m3 TWA</p> <p style="text-align: center;"><b>ACGIH</b> : 1 ppm TWA; 3 ppm STEL; Skin - potential significant contribution to overall exposure by the cutaneous route</p> <p>Provide exhaust ventilation or other engineering controls to keep the airborne concentrations of vapours below their respective occupational exposure limits. All activities involving chemicals should be assessed for their risks to health, to ensure exposures are adequately controlled. Personal protective equipment should only be considered after other forms of control measures (e.g. engineering controls) have been suitably evaluated. Personal protective equipment should conform to appropriate standards, be suitable for use, be kept in good condition and properly maintained. Your supplier of personal protective equipment should be consulted for advice on selection and appropriate standards. For further information contact your national organisation for standards. The final choice of protective equipment will depend upon a risk assessment. It is important to ensure that all items of personal protective equipment are compatible.</p> <p>Wash hands, forearms and face thoroughly after handling chemical products, before eating, smoking and using the lavatory and at the end of the working period. Ensure that eyewash stations and safety SHOWERS ARE CLOSE TO THE WORKSTATION LOCATION.</p> <p>Avoid breathing of vapours, mists or spray. Select and use respirators in accordance with AS/NZS 1715/1716. When mists or vapours exceed the exposure</p>

<p><b>Skin and body</b> <b>Hand protection</b></p>	<p>standards then the use of the following is recommended: Approved respirator with organic vapour and dust/mist (Type P1) filters. Filter capacity and respirator type depends on exposure level.</p> <p>Avoid contact with skin and clothing. Wear suitable protective clothing.</p> <p>Wear protective gloves if prolonged or repeated contact is likely. Chemical-resistant gloves. Recommended: Butyl gloves. The correct choice of protective gloves depends upon the chemicals being handled, the conditions of work and use, and the condition of the gloves (even the best chemically resistant glove will break down after repeated chemical exposures). Most gloves provide only a short time of protection before they must be discarded and replaced. Because specific work environments and material handling practices vary, safety procedures should be developed for each intended application. Gloves should therefore be chosen in consultation with the supplier/manufacturer and with a full assessment of the working conditions.</p>
<p><b>Eye protection</b></p>	<p>Avoid contact with eyes. Chemical splash goggles</p>
<p><b>Section 9 – Physical and Chemical Properties</b></p>	
<p><b>Physical state</b> <b>Colour</b> <b>Viscosity</b> <b>Density</b> <b>pH</b> <b>Solubility</b></p>	<p>Liquid. Dark Pink Kinematic: 46 mm<sup>2</sup>/s (46 cSt) at 40°C 1080 kg/m<sup>3</sup> (1.08 g/cm<sup>3</sup>) at 15°C 9.7 Soluble in water.</p>
<p><b>Section 10 – Stability and reactivity</b></p>	
<p><b>Stability</b> <b>Conditions to avoid</b> <b>Incompatibility with various substances/Hazardous Reactions</b> <b>Hazardous decomposition Products</b></p>	<p>The product is stable. Avoid extreme temperatures, strong oxidizers, fire. No hazardous reactions identified.</p> <p>Decomposition products may include the following materials: carbon dioxide carbon monoxide nitrogen oxides</p>
<p><b>Section 11 – Toxicological Information</b></p>	
<p><b>Toxicological information</b> <b>Chronic toxicity</b> <b>Carcinogenic effects</b>  <b>Mutagenic effects</b></p>	<p>No component of this product at levels greater than or equal to 0.1% is identified as a carcinogen by ACGIH, the International Agency for Research on Cancer (IARC), the European Commission (EC), or the National Occupational Health and Safety Commission (Australia).</p> <p>No known significant effects or critical hazards</p>
<p><b>Section 12 – Ecological Information</b></p>	
<p><b>Ecological information</b> <b>Biodegradability</b> <b>Persistence/degradability</b> <b>Environmental hazards</b></p>	<p>The biodegradability of this material &gt;70% No ecotoxicity or ecological information to report.</p>
<p><b>Section 13 – Disposal Considerations</b></p>	
<p><b>Disposal considerations / waste information</b></p>	<p>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. Significant quantities of waste product residues should not be disposed of via the foul sewer but processed in a suitable effluent treatment plant. Dispose of surplus and non-recyclable products via a licensed waste disposal contractor. Disposal of this product, solutions and any by-products should at all times comply with the requirements of environmental protection and waste disposal legislation and any regional local authority requirements. Avoid dispersal of</p>

<p>spilt material and runoff and contact with soil, waterways, drains and sewers.  IF DISPOSAL IS TO BE VIA INCINERATION, THIS MUST USE AN APPROVED PROCESS, E.G., COMBUSTION IN A CEMENT KLIN</p>	
<p><b>Section 14- Transport Information</b></p>	
<p>Not classified as hazardous for transport</p>	
<p><b>Section 15- Regulatory Information</b></p>	
<p>Safety, health and environmental regulations/legislation specific for the mixture.  This safety data sheet has been prepared according to Regulation (EC) No 1907/2006 (mod.: 453/2010/EC) and to Regulation (EC) 127  <b>Chemical safety assessment.</b> not available</p>	
<p><b>Section 16- Other Information</b></p>	
<p><b><u>Hazard Rating</u></b>  0 = Least    1 = Slight    2 = Moderate  3 = High    4 = Extreme</p>	<p><b><u>NFPA/HMIS Classification</u></b>  Health        = 1  Fire            = 1  Reactivity    = 0</p>

**Disclaimer :**

The information contained herein is based upon data believed to be reliable and reflects our best professional judgment. It is the responsibility of the user to determine the suitability of the material for their purpose. No warranty is expressed or implied, is given.