Section 1  Identification of the Material and Supplier

POWERCOOL RADIATOR FLUSH AND CLEAN

Company: MTU Detroit Diesel Australia
Address: 488 Blackshaws Road, Altona North, Victoria 3025, Australia
Phone: 1300 688 338
Emergency Telephone Number: 131 126 (Poisons Information Centre)

Other Names:
Manufacturer’s Product Code: 19821
Recommended Use: Radiator flush/cleaner

Section 2  Hazards Identification

CLASSIFIED AS HAZARDOUS ACCORDING TO CRITERIA OF WORKSAFE AUSTRALIA AND
NOT A DANGEROUS GOODS ACCORDING TO THE CRITERIA OF THE ADG CODE

Symbol: Xn - Harmful
Risk Phrases: R22 - Harmful if swallowed
R36/37/38 - Irritating to eyes, respiratory system and skin

Safety Phrases: S2: Keep out of the reach of children
S23: Do not breathe vapour/mist
S26: In case of contact with eyes, rinse immediately with plenty of water and seek medical advice
S37/39: Wear suitable gloves and eye/face protection
S45: In case of accident or if you feel unwell, seek medical advice immediately (show label where possible).
Section 3  Composition/Information on Ingredients

HAZARDOUS INGREDIENTS

<table>
<thead>
<tr>
<th>Chemical Entity</th>
<th>CAS Number</th>
<th>Proportion (%)</th>
</tr>
</thead>
<tbody>
<tr>
<td>Sodium Metasilicate</td>
<td>1344-09-8</td>
<td>10 - 30</td>
</tr>
<tr>
<td>Dye</td>
<td>&lt; 1</td>
<td></td>
</tr>
<tr>
<td>Water</td>
<td>&gt; 60</td>
<td></td>
</tr>
</tbody>
</table>

Section 4  First Aid Measures

Swallowed: If swallowed, do NOT induce vomiting. Give a glass of water. Seek immediate medical attention.

Eyes: If in eyes, hold eyes open, flood with water for at least 15 minutes. If irritation persists, seek medical attention.

Skin: If skin contact occurs, wash skin thoroughly with water and follow by washing with soap if available. If irritation persists, seek medical attention.

Inhaled: Remove victim from exposure if safe to do so. If rapid recovery does not occur, transport to nearest medical facility for additional treatment.

First Aid Facilities: Potable water should be available to rinse eyes or skin. Provide eye baths and safety showers.

Advice to Doctor: Treat symptomatically.

Additional Information: None available.

Section 5  Fire Fighting Measures

Suitable Extinguishing Media: Non combustible, not considered to be a significant fire risk.

Hazards from Combustion Products: May evolve carbon dioxide on decomposition.

Precautions for Fire Fighters and Special Protective Equipment: Wear protective clothing.

Additional Information: None.

Section 6  Accidental Release Measures

Observe all local and national regulations.

Spills and Disposal, Methods and Material for Containment and Clean Up Procedures:
For small spills, dilute with water and mop up, or absorb with an inert dry material and place in an appropriate waste disposal container. For large spills, absorb with an inert material and put the spilled material in an appropriate waste disposal container. Dispose of in accordance with regional regulations.
Section 7  Handling and Storage

Precautions for Safe Handling and Storage:
Avoid contact with eyes, skin and clothing. DO NOT ingest. Avoid breathing mist. Wash thoroughly after handling. Do not eat, drink or smoke in contaminated areas. Before eating, drinking or smoking, remove contaminated clothing and wash hands.

Section 8  Exposure Controls/Personal Protection

Exposure Standards:  None established by ASCC.
Biological Limit Values:  No biological limit allocated.

PERSONAL PROTECTIVE EQUIPMENT
Respiratory Protection:  Wear appropriate respirator when ventilation is inadequate.
Hand Protection:  Use solvent resistant gloves (nitrile, PVC or neoprene).
Eye Protection:  Wear safety goggles.
Protective Clothing:  Overalls and rubber or plastic apron.
Engineering Controls:  Avoid generating and inhaling mists.

Section 9  Identification

PHYSICAL DESCRIPTION/ CHEMICAL PROPERTIES
Appearance:  Brown Liquid
Odour:  None
pH:  >11.5
Vapour Pressure (mmHg @ 20°C):  Not Available
Vapour Density (air = 1):  Not Available
Boiling Point (°C):  100 approx.
Freezing/Melting Point (°C):  0 approx.
Solubility in Water:  Soluble in water
Specific Gravity (g/ml @ 15°C):  Not Available
Flashpoint (°C):  Not Applicable
Flammability Limits (%):  Not Applicable
Auto Ignition Temperature (°C):  Not Available

Section 10  Stability and Reactivity

Chemical Stability:  Stable under normal conditions of use.
Conditions to Avoid:  Avoid oxidising agents and naked flames.
Incompatible Materials:  Strong acids, oxidising reagents.
Hazardous Decomposition Products:  May evolve carbon dioxide and monoxide.
Section 11 Toxicological Information

HEALTH EFFECTS - ACUTE

Swallowed: Hazardous, can cause nausea, vomiting and stomach pain.
Eyes: Contact cause eye irritation. Corneal injury may develop with possible impairment of vision if not promptly and adequately treated.
Skin: Irritant - prolonged contact may cause dermatitis.
Inhaled: Slight irritant to respiratory tract when in mist form.
Chronic: No information.

Section 12 Ecological Information

Ecotoxicity: Not Available.
Mobility: Miscible with water.
Persistence/Degradability: Biodegradable.

Section 13 Disposal Considerations

Disposal Methods: Ensure waste disposal conforms to local waste disposal regulations.

Section 14 Transport Information

UN Number: N/A
Proper Shipping Name: N/A
Class: N/A
Subsidiary Risk: N/A
Packing Group: N/A
Hazchem Code: N/A
Special Precautions for Users: N/A

Section 15 Regulatory Information

Poisons Schedule: 5
AICS: Components Listed
Dangerous Goods Initial Emergency Response Guide (SAA/SNZ HB76:2010): N/A

For more information please on PowerCool for your application, please contact MTU Detroit Diesel Australia on 1300 MTU DETROIT (1300 688 338)

NOTICE: The information sourced for the preparation of this document was correct and complete at the time of writing to the best of the writer’s knowledge. The document represents the commitment to the company’s responsibilities surrounding the supply of this product, undertaken in good faith. This document should be taken as a safety guide for the product and its recommended uses but is no way an absolute authority. Please consult the relevant legislation and regulations governing the use and storage of this type of product.