

# SAFETY DATA SHEET

**SECTION 1 IDENTIFICATION: PRODUCT IDENTIFIER AND CHEMICAL IDENTITY**

<b>Product Identifier</b>	POWERCOOL RADIATOR FLUSH AND CLEAN
<b>Other Names</b>	Radiator flush & clean
<b>Manufacturer's Product Code</b>	19821
<b>Recommended Use</b>	Radiator flush / cleaner

**Details of Supplier/Manufacturer**

Company:	Penske Australia Pty Ltd		
Address:	488 Blackshaws Road, Altona North, VIC 3025		
Phone:	(03) 9243 9292	Fax:	(03) 9243 9271
Website:	<a href="http://www.penske.com.au">www.penske.com.au</a>		


**Emergency Telephone Numbers**

All Hours:	1800 625 526
Poisons Information:	Australia: 13 11 26 New Zealand: 0800 764 766

**SECTION 2 HAZARDS IDENTIFICATION**

<b>Hazardous chemical</b>	<i>according to classification by Safe Work Australia</i>
<b>Non-dangerous goods</b>	<i>according to the Australian Code for the Transport of Dangerous Goods by Road and Rail</i>

<b>Signal Word</b>	WARNING
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<b>Hazardous chemical classification</b>	<b>Pictogram</b>	<b>Hazard statement</b>
Acute Toxicity- Oral & Dermal, Category 4 Eye irritation, Category 2A Specific target organ toxicity, Category 3	 EXCLAMATION MARK	H302 Harmful if swallowed H312 Harmful in contact with skin H335 May cause respiratory irritation H319 Causes serious eye irritation

**Precautionary statements**

<b>GENERAL</b> P101 P102 P103	If medical advice is needed, have product container or label at hand Keep out of reach of children Read label before use
<b>PREVENTATIVE</b> P270 P280 P260	Do not eat, drink or smoke when using this product Wear protective gloves, eye protection and face protection Do not breathe vapours/mist

<i>RESPONSE</i> P301+P310	Immediately call a POISON CENTER or doctor/physician if you feel unwell
P305+P351+P338	If in Eyes: Rinse cautiously with water for several minutes.
<i>DISPOSAL</i> P501	Dispose of contents/container in accordance with local regulations

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**SECTION 3 COMPOSITION AND INFORMATION ON INGREDIENTS**

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**Ingredients Names and Proportions**

Chemical Entity	CAS Number	Proportion (%)
Sodium Metasilicate	1344-09-8	10-30
Dye		<1
Water		>60

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**SECTION 4 FIRST AID MEASURES**

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**Description of necessary first aid measures**

Inhalation:	Remove victim from exposure if safe to do so. If rapid recovery does not occur, transport to nearest medical facility for additional treatment.
Skin Contact:	Wash skin thoroughly with water and follow by washing with soap if available. If irritation persists, seek medical attention.
Eye Contact:	Hold eyes open, flood with water for at least 15 minutes. If irritation persists, seek medical attention.
Ingestion:	If swallowed, do NOT induce vomiting. Give a glass of water. Seek immediate medical attention.

**Symptoms caused by exposure**

Inhalation:	May be slight irritant to respiratory tract when in mist form.
Skin Contact:	May be irritating. Prolonged contact may cause dermatitis.
Eye Contact:	May cause eye irritation. Corneal injury may develop with possible impairment of vision if not promptly and adequately treated.
Ingestion:	May cause nausea, vomiting and stomach pain.

**Medical attention and special treatment**

Treat symptomatically.

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**SECTION 5 FIRE FIGHTING MEASURES**

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**Suitable extinguishing equipment**

Non-combustible, not considered to be a significant fire risk.

**Specific hazards arising from the chemical**

May evolve carbon dioxide on decomposition.

**Special protective equipment and precautions for fire fighters**

Wear protective clothing.

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## SECTION 6 ACCIDENTAL RELEASE MEASURES

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### Personal precautions, protective equipment and emergency procedures

Wear appropriate respirator when ventilation is inadequate. Use solvent resistant gloves (nitrile, PVC or neoprene). Wear safety goggles. Wear Overalls and rubber or plastic apron.

### Environmental precautions

Use appropriate containment to avoid environmental contamination. Prevent from spreading and entering waterways using sand, earth or other appropriate barriers.

### Methods and materials for containment and cleaning up

For small spills(<1 drum), dilute with water and mop up, or absorb with an inert dry material and place in an appropriate waste disposal container. For large spills(>1 drum), absorb with an inert material and put the spilled material in an appropriate waste disposal container. Dispose of in accordance with regional regulations.

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## SECTION 7 HANDLING AND STORAGE

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### Precautions for safe handling

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.

### Conditions for safe storage, including any incompatibilities

Store in a cool, well-ventilated area, away from sunlight, ignition sources and other sources of heat.

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## SECTION 8 EXPOSURE CONTROLS AND PERSONAL PROTECTION

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### Exposure control measures

None established by ASCC.

### Biological monitoring

No biological limit allocated.

### Engineering controls

Avoid generating and inhaling mists.

### Individual protection measures

Eye and face protection:	Wear safety goggles
Skin Protection:	Use solvent resistant gloves (nitrile, PVC or neoprene)
Respiratory protection:	If work practices do not maintain airborne level below the exposure standard, use appropriate respiratory protection equipment. When using respirators, select an appropriate combination of mask and filter. Select a filter for organic gases and vapours (boiling point > 65°C). Respirators should comply with AS1716 or an equivalent approved by a state/territory authority.
Thermal hazards:	N/A

**SECTION 9 PHYSICAL AND CHEMICAL PROPERTIES**

Appearance:	<b>Brown Liquid</b>
Odour:	<b>None</b>
Odour threshold (ppm):	<b>N/A</b>
pH:	<b>&gt;11.5</b>
Melting point/freezing point (°C):	<b>0 approx.</b>
Initial boiling point and boiling range (°C):	<b>100 approx.</b>
Flash point (°C):	<b>N/A</b>
Evaporation rate (Butyl acetate = 1):	<b>N/A</b>
Flammability:	<b>Not flammable</b>
Upper/lower flammability or explosive limits (%):	<b>N/A</b>
Vapour pressure (mmHg @ 20°C):	<b>Not Available</b>
Vapour density (air = 1):	<b>Not Available</b>
Density (g/ml @ 15°C):	<b>N/A</b>
Solubility:	<b>N/A</b>
Partition coefficient: n-octanol/water:	<b>N/A</b>
Auto-ignition temperature (°C):	<b>Not Available</b>
Decomposition temperature (°C):	<b>N/A</b>
Kinematic viscosity (mm <sup>2</sup> /s @ 20°C):	<b>N/A</b>

**SECTION 10 STABILITY AND REACTIVITY****Reactivity**

Stable under normal conditions of use.

**Chemical stability**

Stable under normal conditions of use.

**Possibility of hazardous reactions**

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

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**SECTION 11 TOXICOLOGICAL INFORMATION**

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Acute toxicity:	Data not available
Skin corrosion/irritation:	May cause skin irritation; prolonged contact may cause dermatitis
Serious eye damage/irritation:	May cause eye irritation
Respiratory or skin sensitisation:	Irritant - prolonged contact may cause dermatitis Slight irritant to respiratory tract when in mist form.
Germ cell mutagenicity:	No evidence of mutagenic activity
Carcinogenicity:	No carcinogenic in animal studies
Reproductive toxicity:	Not expected to impair fertility
Specific Target Organ Toxicity (STOT) – single exposure:	Data not available
Specific Target Organ Toxicity (STOT) – repeated exposure:	Data not available
Aspiration hazard:	Not considered an aspiration hazard

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**SECTION 12 ECOLOGICAL INFORMATION**

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**Ecotoxicity**

Acute toxicity

Fish –	Data not available
Aquatic invertebrate –	Data not available
Algae –	Data not available
Microorganisms –	Data not available

Chronic toxicity

Fish –	Data not available
Aquatic invertebrate –	Data not available
Algae –	Data not available
Microorganisms –	Data not available

**Persistence and degradability**

Biodegradable.

**Bioaccumulative potential**

Does not bioaccumulate significantly.

**Mobility in soil**

Miscible with water.

**Other adverse effects**

No data available.

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**SECTION 13 DISPOSAL CONSIDERATIONS**

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Ensure waste disposal conforms to local waste disposal regulations.

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**SECTION 14      TRANSPORT INFORMATION**

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UN number:	<b>N/A</b>
Proper shipping name:	<b>N/A</b>
Australian Dangerous Goods class:	<b>N/A</b>
Australian Dangerous Goods packing group:	<b>N/A</b>
Hazchem code:	<b>N/A</b>

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**SECTION 15      REGULATORY INFORMATION**

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Standard for the Uniform Scheduling of Medicines and Poisons (SUSMP), Poisons Schedule:	<b>5</b>
Australian Inventory of Chemical Substances (AICS):	<b>Listed</b>
Dangerous Goods Initial Emergency Response Guide (SAA/SNZ HB76):	<b>Not applicable</b>

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**SECTION 16      OTHER INFORMATION**

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Date of preparation:	<b>18/12/2018</b>
Revision number:	<b>2</b>
Changes in this revision:	<b>Update to company details</b>

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This SDS summarises product safety information at the date of issue, to the best of our knowledge, as a general guide. The supplier cannot anticipate or control the conditions under which the product is used, so prior to usage each user must assess and control the risks associated with their use of the product. Users should also consult the relevant legislation governing the use and storage of this product. The supplier makes no warranties, express or implied, and assumes no liability in connection with any use of information contained within this document. If clarification or further information is needed, the user should contact the supplier.

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