

SAFETY DATA SHEET

1. IDENTIFICATION OF THE MATERIAL AND SUPPLIER

Product Name: DESCALE PA1178

Synonyms: Sulfamic Acid.

Use: Acidic detergent used for de-rusting and de-scaling various metal and non metal surfaces.

Supplier: Advance Chemicals

ABN: 61 005 625 025

Street Address: 4 – 8 Malton Court Altona, 3018

Telephone Number: (03) 9398 4444

Facsimile: (03) 9398 5278

Emergency Telephone: Ted Powell (03) 9398 4444 (Business Hours)
0425 800 022 (After Hours)

2. HAZARDS IDENTIFICATION

Classified as hazardous according to criteria of the Globally Harmonised System of Classification and Labelling of Chemicals 3rd Revised Edition.

Hazard Classification: HAZARDOUS SUBSTANCE, DANGEROUS GOODS.

Classification of the substance or mixture:

Eye irritation – category 2

Skin irritation – category 2

Hazardous to the aquatic environment (chronic) – category 3

SIGNAL WORD: WARNING



Hazard Statement(s):

H319 – Causes serious eye irritation.

H315 – Causes skin irritation

H412 – Harmful to aquatic life with long lasting effects.

Precautionary Statement(s):

Prevention:

P101 – If medical advice is needed, have product container or label at hand.

P102 – Keep out of reach of children

P103 – read label before use

P264 – Wash hands thoroughly after handling

P280 - Wear protective gloves/eye protection/ face protection

SAFETY DATA SHEET



Response:

P305 + P351 + P338 – IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.

P337 + P313 – If eye irritation persists: Get medical advice/attention.

P302 + P352 – IF ON SKIN: Wash with plenty of soap and water

P321 – Specific treatment see First Aid measures on Safety Data Sheet

P332 + P313 – If skin irritation occurs: Get medical advice/attention

P362 – Take off contaminated clothing and wash before reuse.

Storage:

Store in a cool dry place.

Disposal:

Dispose of contents/container in accordance with local waste management authority.

Poison Schedule (Australia): S6

3. COMPOSITION/INFORMATION ON INGREDIENTS

Chemical Entity	C.A.S. No.	Proportion	
Sulfamic acid	5329-14-6	99%	H319; H315; H412

4. FIRST AID MEASURES

Inhalation: Remove victim from contaminated area. Apply artificial respiration if not breathing. Seek medical attention.

Skin Contact: Wash affected area thoroughly with soap and water. Remove contaminated clothing and wash before reuse or discard. Seek medical attention.

Eye Contact: Wash with copious amount of water holding eyelid(s) open. Take care not to contaminate non-affected eye. Seek medical attention.

Ingestion: Do NOT induce vomiting. Wash out mouth with water and give plenty of water to drink. Seek medical attention.

Notes to Doctor: Treat symptomatically.

5. FIRE FIGHTING MEASURES

Specific Hazards: Non-combustible material.

Fire-fighting advice: Wear full protective clothing and self contained breathing apparatus (SCBA) operated in positive pressure mode.

Suitable Extinguishing Media: Use appropriate fire extinguisher for surrounding environment.

SAFETY DATA SHEET

Hazchem Code: 2Z

Flammability: No flammable or combustible.

6. ACCIDENTAL RELEASE MEASURES

Remove all sources of heat. Increase ventilation. Evacuate all unnecessary personnel. Wear sufficient respiratory protection and full protective clothing to minimise skin and eye exposure. Sweep up material avoiding dust generation or dampen spilled material with water to avoid airborne dust, then transfer material to a suitable container. Wash surfaces well, with soap and water. Seal all wastes in vapour tight labelled containers for eventual disposal.

7. HANDLING AND STORAGE

Handling advice: Avoid generating dust. Use smallest possible amounts in designated areas with adequate ventilation. Have emergency equipment (for fires, spills, leaks, etc.) readily available. Wear appropriate protective equipment to prevent inhalation, skin and eye contact. Ensure high level of personal hygiene is maintained when using this product. That is: always wash hands before eating, drinking, smoking or using the toilet.

Storage advice: Store in a cool, dry, well-ventilated area, out of direct sunlight and moisture. Store in labelled containers. Keep containers tightly closed. Store away from water and incompatible materials. Have appropriate fire extinguishers available in and near the storage area.

8. EXPOSURE CONTROLS/ PERSONAL PROTECTION

Occupational Exposure Limits: None assigned for this product.

Exposure standard for inspirable dust is 10 mg/m³ and 3 mg/m³ for respirable dust

Engineering Controls: Use with good general ventilation. If dust is produced local exhaust ventilation should be used.

Personal Protection Equipment: If engineering controls aren't effective in controlling airborne exposure than respiratory protective equipment should be used suitable for protecting against airborne contaminants. Safety glasses with side shields, goggles or full-face shield as appropriate recommended. Wear gloves of impervious material.

9. PHYSICAL AND CHEMICAL PROPERTIES

Appearance: White or colourless crystals.

Boiling Point: Not applicable

Melting Point: 205°C (decomposes)

Flash Point: Not applicable

Vapour Pressure: Not applicable

Vapour Density (Air = 1): Not applicable

SAFETY DATA SHEET



Flammability Limits: Not applicable

Specific Gravity: 2.15

pH : < 1

Solubility in water: 30 % w/v @ 80°C

Corrosiveness: Corrosive to human tissue and most metals

10. STABILITY AND REACTIVITY

Stability: Stable under normal conditions..

11. TOXICOLOGICAL INFORMATION

Acute Health Effects:

Ingested: If swallowed may cause nausea, vomiting, abdominal pain and chemical burns to the mouth, throat and stomach.

Eye: Eye contact will cause stinging, blurring, tearing, severe pain and possible permanent corneal damage.

Skin: Skin contact will cause redness, itching, irritation, severe pain and chemical burns with resultant tissue destruction.

Inhaled: Inhalation of mists or vapours will result in respiratory irritation and possible harmful corrosive effects including lesions of the nasal septum, pulmonary edema, pneumonitis and emphysema.

Chronic: Prolonged contact with dilute solutions may cause skin irritation. Gloves should be used at all times.

12. ECOLOGICAL INFORMATION

Avoid contaminating waterways.

13. DISPOSAL CONSIDERATIONS

Refer to Waste Management Authority.

SAFETY DATA SHEET



14. TRANSPORT INFORMATION

UN Number: 2967

Proper Shipping Name: SULFAMIC ACID

Dangerous Goods Class: 8

Subsidiary risk: N/A

Packing Group: III

Hazchem Code: 2Z

Road and Rail Transport: Classified as a Class 8 (Corrosive) Dangerous Goods for the purpose of transport by road and rail.



15. REGULATORY INFORMATION

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Poisons Schedule: 6

16. OTHER INFORMATION

This S.D.S. is valid for 5 years from the date of issue but may be withdrawn and revised anytime prior to that date. Please ensure that you are using the latest issue.

All information contained in this Safety Data Sheet is as accurate and up-to-date as possible. Since ADVANCE CHEMICALS can not anticipate or control the conditions under which this information can be used, each user should review this information in the specific context of the intended application.

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