

SAFETY DATA SHEET

SCALEX : POWDER ACID DESCALER

1. IDENTIFICATION OF MATERIAL AND SUPPLIER

Product Name SCALEX
Product Code 137
Product Use Removes hard water scale from dishwashers, etc.
Company Name Byre Chemicals
Address 3/43 Byre Avenue
 Somerton Park SA 5044
Telephone 08 8350 9228
Fax 08 8350 9334
Emergency phone no. 0412 426 697
Email info@byrechemicals.com.au

2. HAZARDS IDENTIFICATION

GHS Classification H290 May be corrosive to metals Category 1
 H302 Harmful if swallowed Category 4
 H314 Causes severe skin burns and eye damage Category 1A
 H412 Harmful to aquatic life with long lasting effects Category 3
Signal Word DANGER
Hazard Statement Harmful if swallowed
 Causes severe skin burns and eye damage
Precautionary Statement
 Avoid contact with skin and eyes
 Wear eye protection and rubber gloves
 Avoid inhaling dust
 If swallowed DO NOT induce vomiting. Give water or milk. Seek immediate medical help.
 Splashes on skin to be washed off immediately
 If splashed into eyes, remove contact lenses if present and wash with clean running water for 15 minutes. Seek medical attention immediately.
 Keep containers tightly closed and store in a lock-up facility.

Pictograms



3. COMPOSITION /INFORMATION ON INGREDIENTS

INGREDIENTS	CAS.NO.	PROPORTION
Sulfamic Acid	5329-14-6	100 %

BYRE CHEMICALS

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4. FIRST-AID MEASURES

INHALATION	<i>Avoid generating dust. Remove casualty from contaminated area</i>
INGESTION	<i>If swallowed Do Not induce vomiting. Give water or a glass of milk. If breathing has stopped, give artificial respiration. Transport to hospital.</i>
SKIN	<i>If skin contact occurs, remove contaminated clothing and wash skin thoroughly with soap and water. Wash clothing before re-use. If irritation persists, seek medical advice.</i>
EYE	<i>If in eyes, hold eyelids apart and flood the eye continuously with water for at least 10 minutes. Seek medical attention</i>
FIRST AID	<i>Eye wash. Safety shower , hand wash basin</i>
ADVICE TO DOCTOR	<i>Treat symptomatically</i>

5. FIREFIGHTING MEASURES

Extinguishing Media	<i>Water ,Carbon dioxide, or foam</i>
Hazards from Combustion	<i>Material won't burn but may emit carbon dioxide including carbon monoxide gas. Contact with some metals including aluminium and zinc will liberate flammable hydrogen gas</i>
Precaution for Firefighter	<i>Wear chemical suit. Prevent run off from entering drains and waterways.</i>

6. ACCIDENTAL RELEASE MEASURES

EMERGENCY PROCEDURE

*Evacuate all unauthorised personnel. Do not breathe fumes or handle damaged containers
For small spills hose down area. For large spills absorb onto an inert material such as dirt or sand.
The collected material should then be transferred into suitable containers , labelled and disposed of in an appropriate way.
Dispose of waste according to applicable local and national regulations*

7. HANDLING AND STORAGE

PRECAUTIONS FOR SAFE HANDLING

*Wear appropriate protective clothing
Avoid inhalation of vapours and mists and skin or eye contact. Use only in a well ventilated area. Keep containers sealed when not in use.
Prevent the build up of mists and vapours in the work atmosphere. Do not use near ignition sources, cut, heat containers as they may produce hazardous fumes. Maintain high standards of personal hygiene ie washing hands prior to eating, drinking, smoking or using toilet facilities*

CONDITIONS FOR SAFE STORAGE

*Corrosive solid . Store in a cool, dry, well ventilated area away from sources of ignition, oxidising agents , peroxides, foodstuffs and clothing.
Large quantities should be stored in a banded dangerous goods store.
Prevent contact with aluminium, tin, zinc or galvanised iron .Store in original containers*

8. EXPOSURE CONTROLS / PERSONAL PROTECTION

Exposure Limits	<i>Sulfamic Acid Acute Oral LD50 Rat 1530 mg/kg Dermal LD50 Rabbit 2740 mg/kg Inhalation LC50 Rat 850mg/m3 1 hour</i>
Engineering Controls	<i>This substance is corrosive. Keep containers closed when not in use.</i>
Eye Protection	<i>Safety glasses with side shields should be used.</i>
Hand Protection	<i>Wear gloves of impervious material such as neoprene, or nitrile rubber.</i>
Hygiene Measures	<i>Avoid contact with skin, eyes and clothing Wash hands after handling product. Keep away from foodstuffs.</i>
Skin & Body Protection	<i>Wear rubber gloves and apron</i>

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9. PHYSICAL AND CHEMICAL PROPERTIES

Appearance	White crystalline powder
Odour	Slight
pH	1.2 – 1.3 (1% solution)
Boiling Point	Above 100C
Vapour Pressure	Not Applicable
Flash Point	None
Specific Gravity	1.3
Solubility in Water	Soluble at use concentrations.

10. STABILITY AND REACTIVITY

Chemical Stability	Stable under normal conditions of storage and handling
Conditions to avoid	Excess heat exposure to air
Incompatible materials	Alkalis , strong oxidising agents.
Hazardous decomposition	Thermal decomposition may result in release of irritating fumes including carbon dioxide and carbon monoxide
Hazardous polymerization	Will not occur

11. TOXICOLOGICAL INFORMATION

Acute toxicity	Oral LD50 (Rat) 3160 mgm/kg
Ingestion	Corrosive. Harmful if swallowed. Will cause burns to mouth and throat, nausea, vomiting, abdominal pain and diarrhoea. Can also cause swelling of the larynx and suffocation, perforation of stomach and intestines with constrictive scarring
Eyes	Corrosive. Causes severe burns which can result in permanent injury or blindness
Skin	Causes severe irritation and if untreated burns
Carcinogenic	No evidence of carcinogenic properties
Chronic Effects	Repeated or prolonged skin contact may cause chronic dermatitis.

12. ECOLOGICAL INFORMATION

Ecotoxicity	No data available
Persistence/Degradability	Low
Mobility	Soluble in water
Bioaccumulative Potential	No data available
Environmental	Do not discharge into drains, sewers, waterways

13. DISPOSAL CONSIDERATIONS

Spills & Disposal	Disposal of small spillages only. For large spillages liquids should be contained using sand or earth and both liquids and solids then transferred to salvage containers. Residues should be treated as for small spillages. CAUTION: Before dealing with spillage take necessary protective measures, inform others to keep at a safe distance and for flammable materials, shut off all possible sources of ignition.
Disposal	Land fill, sewer (small quantities). Refer to Land Waste Management Authority in your State

SCALEX : POWDER ACID DESCALER**14. TRANSPORT INFORMATION**

<i>Transport Information</i>	<i>This material is classified as Dangerous Goods Class 8</i>
<i>Proper Shipping Name</i>	<i>SULFAMIC ACID</i>
<i>UN.NO.</i>	<i>2967</i>
<i>Packaging Group</i>	<i>111</i>
<i>Hazchem Code</i>	<i>2Z</i>
<i>DG Class</i>	<i>8</i>

15. REGULATORY INFORMATION*Regulatory Information*

*Classified as hazardous according to criteria of NOHSC
Poisons Schedule S5*

Hazard Category

Corrosive, irritant to skin

Risk Statement

Causes burns.

Safety Statement

Keep out of reach of children. In case of contact with eyes, rinse immediately with plenty of water and contact a doctor or Poisons Information Centre. Wear suitable gloves and eye/face protection. In case of accident or if unwell, contact a doctor or Poisons Information Centre immediately.

16. OTHER INFORMATION*Preparer Signature
Contact*

*Technical Director
Telephone: 08 8350 9228
24 hour emergency number 0412 426 697*

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