

MATERIAL SAFETY DATA SHEET

PRODUCT: SULPHAMIC ACID

SOLD AS: Cell Clean

Date of Issue: 19 July 2003

STATEMENT OF HAZARDOUS NATURE

Classified as hazardous according to criteria of WorkSafe Australia

COMPANY DETAILS

Company: International Quadratics Pty. Ltd
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PRODUCT IDENTIFICATION

Product Name: Sulphamic Acid
Other Names: Sulfamic Acid, Amidosulphonic acid
UN Number: 2967
DG Class: 8
Packing Group: 111
Hazchem Code: 2T
Poisons Schedule: S6
Use: Cleaning agent for metal and ceramic cleaning

PHYSICAL DESCRIPTION AND PROPERTIES

Appearance: White crystalline powder
Boiling Point: 205°C at 760mmHg
Vapour Pressure: Not Available
Specific Gravity: (water = 1) 2.1
Solubility in water: soluble

COMPOSITION

<u>Chemical Name</u>	<u>CAS</u>	<u>Proportion</u>
Sulphamic Acid	5329-14-6	100%

HEALTH HAZARD INFORMATION

Effects from Acute Exposure

Swallowed:	Will cause severe damage to mucous membranes and tissues.
Eyes:	Harmful to the eyes. Contact with eyes may cause permanent damage. Can cause severe irritation or burns with discomfort and blurred vision.
Skin:	Can cause irritation, material causes burns when wet.
Inhaled:	Breathing of dust can cause irritation of nasal and respiratory passages.

FIRST AID

Ingestion:	DO NOT induce vomiting. Vomiting will cause further damage to the throat. Give milk of magnesia. Keep warm and quiet. Seek immediate medical attention. Poison Information Centre phone 13 11 26 Australia wide.
Eyes:	If in eyes, hold eyes open, flush with water for at least 15 minutes and see a Doctor immediately.
Skin:	If skin contact occurs, remove contaminated clothing immediately and wash before re-use. Wash affected skin with plenty of cold water. See a Doctor immediately.
Inhalation:	Remove victim from exposure – avoid becoming a casualty. If breathing laboured and patient cyanotic (blue), ensure airways are clear and have qualified person give oxygen through a face mask. If breathing has stopped apply artificial respiration at once. In the event of cardiac arrest, apply external cardiac massage. Seek urgent medical attention.
First Aid Facilities:	Eye bath, safety shower.
Advice to Doctor:	Consult Poisons Information Centre. Treat symptomatically.

FIRST AID FACILITIES

Eye wash and safety shower in area of use

PRECAUTIONS FOR USE

Harmful (Xi)

- R36/38 - Irritating to eyes and skin

ENGINEERING CONTROLS

Good ventilation should be sufficient. (Typically ten room volumes per hour is considered good general ventilation; ventilation rates should be matched to conditions of use). Local exhaust or an approved dust respirator should be used if needed.

PERSONAL PROTECTION

Avoid skin and eye contact. Wear overalls, chemical goggles, full-face shield, impervious gloves, rubber boots and rubber apron when working with large volumes. Use with adequate ventilation. If inhalation risk exists, wear respirator, ensure that the cartridges are correct for the potential air contamination and are in good working order. Always wash hands before smoking, eating, drinking or using the toilet. Wash contaminated clothing and protective equipment before re-using.

FLAMMABILITY

Combustible

STORAGE AND HANDLING

STORAGE PRECAUTIONS

Store away from oxidising agents. Store away from acids. Keep containers closed at all times. Do not add to hot materials; do not grind or subject to frictional heat or shock-explosive decomposition may result.

SPIILLS AND DISPOSAL

Sweep material and package for safe feed to an incinerator. Dispose by incineration or contract with licensed chemical waste disposal agency. Discharge, treatment, or disposal may be subject to federal, state or local laws.

DISPOSAL

Disposal should be carried out in accordance with Federal, State and local regulations. Material can be neutralized by slowly adding to a large volume of stirred solution of soda ash and slaked lime.

FIRE AND/OR EXPLOSION HAZARD

- Extinguishing Medium:** Water spray, dry chemical, alcohol foam, and Carbon dioxide.
- Special Fire Fighting Instruction:** Wear self-contained breathing apparatus and protective clothing. Fire or excessive heat may produce hazardous decomposition products. This product in sufficient quantity and reduced particle size is capable of creating a dust explosion. Fire fighters to wear self-contained breathing apparatus if risk of exposure to vapour or products of combustion.
- Hazardous Combustion Products:**
- Stability:** Stable. However, material is shock sensitive and can decompose above 205°C. Avoid temperature above 155°C or strong mechanical shock.
- Incompatibility:** Strong oxidisers, strong acids.
- Hazardous Decomposition:** Combustion will produce carbon dioxide and probably carbon monoxide. Oxides of nitrogen and sulphur may also be present
Hazardous polymerisation will not occur.

CONTACT INFORMATION

CONTACT: GENERAL MANAGER (02) 9790 4200

DISCLAIMER

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