



PRICE CHEMICALS PTY LIMITED

ABN 92 002 585 293

10 Pile Road
Somersby NSW 2250
Phone: (02) 4340 0088
Fax: (02) 4340 0322
E-mail: enquiries@pricechemicals.com.au

MATERIAL SAFETY DATA SHEET

Hazardous according to criteria of Worksafe Australia

Date of Issue : 1st January 2005

1. IDENTIFICATION

General

Product Name : SULPHAMIC ACID

Other Names : AMIDOSULPHONIC ACID; SULPHAMIDIC ACID

UN No. : 2967

Dangerous Goods Class : 8

Subsidiary Risk : None Allocated

Hazchem Code : 2Z

Pack Group : III

EPG : 37

Poisons Schedule : 6

Uses :

Metal & ceramic cleaning, nitrate removal in azo dye operations, gas liberating compositions, organic synthesis, analytical acidimetic standard, amine sulphates used as plasticizers and fire retardants, stabilizing agent for chlorine and hypochlorite in swimming pools, bleaching paper pulp/textiles, catalyst for urea-formaldehyde resins, sulphonating agent, pH control, sulphonating agent, hard waters scale removal, electroplating

1.1 Physical Description / Properties

Appearance : White crystals or powder. Non-hygroscopic.

Formula : H3N03S

Boiling Point : Decom

Melting Point : 205 Deg,. Celcius

Vapour Pressure : N/A

Specific Gravity : 2.15 (water = 1)

Flash Point : N/A

pH : 1.1 25 Deg Celcius

Solubility in water : Solu g/l (25 deg C)

Flammability Limits (as percentage volume in air)

Lower Explosion Limit : N/A

Upper Explosion Limit : N/A

1.2 Other Properties

Soluble in dimethylformamide, formamide, pyridine. Slightly soluble in acetone, ethonal, methanol. Insoluble in diethyl ether.

Product decomposes at 205 deg C.

Solubility in water = 21.32/100g

1.3 Ingredients

Chemical Entity	CAS No.	Proportions
SULPHAMIC ACID	[5329-14-6]	>99.5
WATER	[7732-18-5]	<0.1
NON HAZ IMPURITIES	[- -]	<0.4

2. HEALTH HAZARD INFORMATION

2.1 Health Effects - Acute

Swallowed

Moderately toxic. Moderately corrosive - . causes burns and desquamation to the mouth, esophagus and stomach.

Eye

Moderately corrosive – causes burns and desquamation.

Skin

Irritant to the skin. Aqueous solutions have a corrosive effect on skin

Inhaled

Moderately irritative. Moderately corrosive – causes burns and desquamation to the respiratory tract (including mucous membranes, throat and lungs)

2.2 Health Effects - Chronic

No data available

2.3 First Aid

Swallowed

Give 1 - 2 cups of water to drink. Seek medical attention immediately. DO NOT induce vomiting.

Eye

Wash eyes with copious amounts of water for at least 15 minutes, holding eyelids open. Seek medical attention.

Skin

Remove all contaminated clothing including footwear. Wash effected areas thoroughly with mild soap and water. If irritation occurs seek medical attention.

Inhaled

Remove victim to fresh air. Seek medical attention.

First Aid Facilities

Ensure an eye bath and safety shower are available and ready for use.

2.5 Advice to Doctor

Treat symptomatically based on judgement of doctor and individual reaction of patient.

2.6 Toxicity Data

Oral LD50 = 3160 mg/kg (rat)

3. PRECAUTIONS FOR USE

3.1 Exposure Standards

No limit has been established

3.2 Engineering Controls

Ensure adequate ventilation to maintain exposure levels below standards.

3.3 Personal Protection

Respiratory – wear a dust mask. Eyes - chemical goggles. Skin – wear overalls which completely cover skin including PVC/Rubber gloves. Other – wear PVC boots

3.4 Flammability

Non flammable

SAFE HANDLING INFORMATION

4.1 Storage / Transport

Store in a cool, well ventilated area, away from incompatible materials, heat, sparks and flames. Keep containers dry at all times

4.2 Packaging / Labelling

UN No. 2967

Class 8

Sub Risk None Allocated

Hazchem Code ZZ

Pack Group III

EPG No. 37

Shipping Name Sulphamic Acid

Hazard IRRITANT, CORRESIVE

Risk Phrases

R34 Causes burns.

R36/38 Irritating to eyes and skin.

Safety Phrases

S2 Keep out of reach of children

S24/25 Avoid contact with skin and eyes.

S26 In case of contact with eyes, rinse immediately with plenty of water seek medical advice

S28 After contact with skin, wash immediately with plenty of soap suds.

4.3 Spills and Disposal

Spills

Ensure full protection gear is worn when handling this product.

Collect material without making dust. Wash with water after neutralising it with soda/lime.

Disposal

Dispose of in accordance with all Local, State and Federal regulations.

4.4 FIRE AND EXPLOSION HAZARD

Fire / Explosion

Product decomposes at 205 deg C. Avoid incompatible materials. Hazardous decomposition products include fumes of SO_x and NO_x at above 205 deg C. Product reactive under hydrolysis at high temperature forming NH₄HSO₄.

Extinguishing Media

Fire-fighters should wear full protective equipment including self-contained breathing apparatus operated in pressure demand,

Use water fog, carbon dioxide, chemical foam or dry chemical type extinguishers. Use media appropriate to surrounding fire conditions.

5 OTHER INFORMATION

Other Information

Sulphamic acid in solution is a strong acid, prevent discharge to waterways.

5.1 Contact Points

Organisation	Location	Telephone	Ask For
Price Chemicals Pty Ltd	Somersby NSW	02-4340 0088	Technical Officer
Poisons Information Centre	Westmead	131129	
		1800-251525	