

**SECTION 1 : CHEMICAL PRODUCT AND COMPANY INFORMATION**

**SYNONYMS:** Acid Sachets, Acid Detergent  
**PROPER SHIPPING NAME:** Sulphamic Acid  
**CAS NUMBER:** 5329-14-6  
**UN NUMBER:** 2967  
**PRODUCT USE:** General purpose Acidic detergent for farm dairy use

**SUPPLIER:** Agmax Industries Limited, 63b Allens Road, East Tamaki, 2013,  
Auckland Telephone: +64 9 271 5290

**24 H Emergency Contact:** 0800 243 622 ( 24 Hours)  
**Website:** [www.agmax.co.nz](http://www.agmax.co.nz)  
**Email:** [info@agmax.co.nz](mailto:info@agmax.co.nz)

**SECTION 2 : HAZARDS IDENTIFICATION****STATEMENT OF HAZARDOUS NATURE**

Classified as Hazardous according to the criteria of the New Zealand Hazardous Substances and New Organisms legislation.

**PICTOGRAMS****HSNO Classification and Hazard Statements:**

6.1D, 8.1A, 8.2C, 8.3A, 9.1C, 9.3C

**6.1D Acutely Toxic Substance (Medium Hazard)**

H302 Harmful if swallowed

H312 Harmful in contact with skin

**8.1A Metallic corrosive**

H290 May be corrosive to metals

**8.2C Dermal corrosive (skin)**

H314 Causes severe skin burns and eye damage

**8.3A Ocular corrosive (eye)**

H318 Causes serious eye damage

**9.1C Harmful to aquatic life with long lasting effects**

H412 Harmful to aquatic life with long lasting effects

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### 9.3C Harmful to terrestrial vertebrates

H433 Harmful to terrestrial vertebrates

#### Prevention statements:

- P102 Keep out of reach of children
- P103 Read label before use
- P234 Keep only in original container
- P264 Wash hands thoroughly after handling
- P270 Do not eat, drink or smoke when using this product
- P271 Use only outdoors or in a well-ventilated area
- P273 Avoid release into the environment.
- P280 Wear protective gloves and clothing

#### Response statements:

- P101 If medical advice is needed, have product container or label at hand
- P301+P312 IF SWALLOWED: Call a POISON CENTER or doctor/physician if you feel unwell.
- P301+P330+P331 IF SWALLOWED: Rinse mouth. Do not induce vomiting.
- P330 Rinse Mouth
- P302+P352 IF ON SKIN: Wash with plenty of soap and water
- P312 Call a POISON CENTER or doctor/physician if you feel
- P322 Specific measures (see First Aid section on the label)
- P363 Wash contaminated clothing before re-use
- P390+P391 Absorb/ Collect spillage
- P305+P351+P338 IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing
- P310 Immediately call POISON CENTER or doctor/physician

#### Storage statements:

- P405 Store locked up
- P406 Store in corrosive resistant container with a resistant inner liner

#### Disposal statements:

- P501 Dispose of empty containers safely in accordance with local regulations.

**SECTION 3 : COMPOSITION**

**Appearance:** Slightly moist white powder

<b>Ingredient</b>	<b>CAS Number</b>	<b>Proportion</b>
Sulphamic Acid	5329-14-6	>80%
Surfactants		<20%

**SECTION 4 : FIRST AID MEASURES**

If medical advice is needed, have product container or label on hand

Refer First Aid instructions on label

**SWALLOWED**

If Swallowed: Rinse mouth then give a glass or two of water or milk, DO NOT induce vomiting unless medical assistance is delayed by 15 minutes (take care to avoid patient inhaling stomach contents). If breathing stops start mouth to nose resuscitation. Arrange urgent transport to hospital.

**Immediately call a POISON CENTER or doctor/physician**

Never give anything by mouth to an unconscious person.

**EYE**

If in Eyes: Wash eye with gently running water for at least thirty minutes. Do not rub the eye. Cover with sterile dressing. Seek medical attention immediately. Immediately call a Poison Centre or doctor/physician.

**SKIN**

Skin Contact: Quickly remove contaminated clothing. Wash skin with large quantities of water. Bathe affected areas in warm saline solution. Seek medical attention. Immediately call a Poison Centre or doctor/physician. Wash contaminated clothing and shoes before reuse.

**INHALED**

If Inhaled: Remove victim to fresh air and keep at rest in a position comfortable for breathing. Apply resuscitation if victim is not breathing. Do not use direct mouth-to-mouth method if victim ingested or inhaled the substance; use alternative respiratory method or proper respiratory device. Administer oxygen if breathing is difficult.

**NOTES TO PHYSICIAN**

Ensure that attending medical personnel are aware of the identity and nature of the product(s) involved and take precautions to protect themselves. Treat symptomatically and supportively.

**SECTION 5 : FIRE FIGHTING MEASURES****GENERAL MEASURES**

Clear area of all non-firefighting personnel. If safe to do so, move undamaged containers from fire area. Do NOT move cargo if cargo has been exposed to heat. Dam fire control water for later disposal. Avoid generating dust.

**FLAMMABILITY CONDITIONS**

Non-combustible.

**EXTINGUISHING MEDIA**

In case of fire, use appropriate extinguishing media most suitable for surrounding fire conditions include Foam; Carbon dioxide (CO<sub>2</sub>); Water spray jet.

**FIRE AND EXPLOSION HAZARDS**

Fire fighters to wear self-contained breathing apparatus if risk or exposure to products of decomposition. Electrical conductor.

**HAZARDOUS PRODUCTS OF COMBUSTION**

Fire or heat will produce irritating, toxic, and/or corrosive gases.

**SPECIAL FIRE FIGHTING INSTRUCTIONS**

Runoff from fire control or dilution water may be toxic and/or corrosive and pollute waterways.

**PERSONAL PROTECTIVE EQUIPMENT**

Wear self-contained breathing apparatus (SCBA) with a full face-piece, in positive pressure mode. Fully encapsulating, gas-tight suits should be worn for maximum protection. Structural firefighter's uniform is recommended for fire situations ONLY - it is NOT effective for spills.

**FLASH POINT**

No Data Available

**LOWER EXPLOSION LIMIT**

No Data Available

**UPPER EXPLOSION LIMIT**

NO Data Available

**AUTO IGNITION TEMPERATURE**

No Data Available

**HAZCHEM CODE**

2X

**SECTION 6 : ACCIDENTAL RELEASE MEASURES****General Response Procedure**

Ventilate enclosed spaces before entering. Do not touch or walk through spilled material. Do not touch damaged containers or spilled material unless wearing appropriate protective clothing. Avoid contact with skin and eyes

**Clean Up Procedures**

Contain and absorb. Avoid contamination of waterways. Small quantities can be neutralized with soda ash provided the area is (can be) well ventilated and washed to drain with large quantities of water.

Electrical conductor - isolate power in case of spills.

**Containment**

Stop leak if safe to do so - Prevent entry into waterways, drains or confined areas. Dike and clean up all spills immediately.

**Decontamination**

Dilute with plenty of water and neutralise using Soda Ash or Lime.

**Environmental Precautionary Measures**

Drains for storage or work areas should have retention basins for pH adjustments and dilution of spills before discharge or disposal of material.

**Evacuation Criteria**

Spill or leak area should be isolated immediately. Keep unauthorised personnel away. Keep upwind and to higher ground.

**Personal Precautionary Measures**

Wear SCBA and chemical splash suit. Fully-encapsulating, gas-tight suits should be worn for maximum protection. Structural firefighter's uniform is NOT effective for spills.

**SECTION 7 : HANDLING AND STORAGE****PRECAUTIONS FOR SAFE HANDLING**

Corrosive - Nonflammable

Avoid spilling, skin and eye contact. Wear protective clothing, including elbow length PVC gloves and suitable eye protection.

Use with adequate ventilation - avoid creation and inhalation of aerosols.

After use wash hands before eating, drinking or smoking.

Do not handle broken packages unless wearing appropriate personal protective equipment.

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### STORAGE CONDITIONS

Store in well ventilated area.

Store away from alkalis, metals and strong oxidizers.

Store in original container, tightly closed, away from foodstuffs and out of reach of children.

### SHELF LIFE

Use within 5 Years

## SECTION 8 : EXPOSURE CONTROLS & PERSONAL PROTECTION

### EXPOSURE LIMITS

No exposure limits set by NOHSC or ACGIH

### ENGINEERING CONTROLS

Use with adequate ventilation - avoid creation and inhalation of aerosols.

### EYE/FACE PROTECTION

Use safety glasses (with side shields).

### SKIN PROTECTION

Chemical protective gloves should be worn when handling this material. Consistent with general hygienic practice for any material, skin contact should be minimized.

### OTHER PROTECTION

Wear overalls, use elbow length PVC gloves and suitable eye protection.

## SECTION 9 : PHYSICAL AND CHEMICAL PROPERTIES

### APPEARANCE

Moist white powder

### PHYSICAL PROPERTIES

Miscible in water

Specific Gravity: 2100 - 2180 g/cm<sup>3</sup>

pH value: 1.7 - 2.7

## SECTION 10 : STABILITY AND REACTIVITY

### REACTIVITY

Contact with alkaline material liberates heat

### CHEMICAL STABILITY

Stable under normal storage conditions

**SECTION 11 : TOXICOLOGICAL INFORMATION****General Information**

No Data Available

**Acute****INGESTION**

ACUTE TOXICITY: ORAL Rat LD50 >2,000 mg/kg (OECD 401)

SYMPTOMS: irritations of mucous membranes in the mouth,pharynx,oesophagus and gastrointestinal tract.

**INHALATION**

ACUTE TOXICITY: INHALATION

SYMPTOMS: cough,shortness of breath,irritation symptoms in the respiratory tract.

**SKIN IRRITANT**

SKIN CORROSION/IRRITATION

SPECIES: Rabbit

RESULT: Severe Irritant

METHOD: OECD test guideline 404

**EYE IRRITANT**

EYE DAMAGE/IRRITATION

SPECIES: Rabbit

RESULT: Severe irritation

METHOD: OECD test guideline 405

**MUTAGENICITY**

Mutagenicity (mammal cell test): micronucleus

Result: negative

Method: OECD test guideline 474

Ames test: Salmonella typhimurium

Result: negative

Method: OECD test guideline 471 11.

**CARCINOGEN CATEGORY**

No

Data Obtained from Raw Material MSDS

**SECTION 12 : ECOLOGICAL INFORMATION****ECOTOXICITY**

Toxicity to fish:

Species: pimephales promelas (fathead minnow)

LC50: 70.3 mg/l

Exposure time : 96 h

Method : OECD test guideline 203 Toxicity to bacteria

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Species: Pseudomonas putida  
EC10 >= 1.000 mg/l  
Exposure time: 16 h  
Method: IUCLID

### Persistence/Degradability

No information available.

### Mobility

No information available.

### Environmental Fate

Harmful effect due to pH shift. Do not allow to run into surface waters, wastewater, or soil.

### Bioaccumulation Potential

Partition coefficient: n-octanol/water  
log Pow: 0.10  
Method: experimental  
(Lit.) Bioaccumulation is not expected (log Pow<1)

Data Obtained from Raw Material MSDS

## SECTION 13 : DISPOSAL CONSIDERATIONS

### CONTAINER DISPOSAL

Dispose of empty containers safely in accordance with local regulations.  
Triple rinse containers when empty, hold slurry.  
Avoid contamination of natural water supplies with chemical or empty container.  
After cleaning, all existing labels should be removed.  
Dispose of in accordance with local regulations.

## SECTION 14 : TRANSPORT INFORMATION

UN No.	2967
Dangerous Goods Class:	8 - Corrosive
Hazchem code:	2X
Packing group:	III
Proper Shipping Name:	Sulphamic Acid
Segregation:	Don't store with D.G classes 1, 5, 7, strong alkali's, food or food containers.

## SECTION 15 : REGULATORY INFORMATION

ERMA Approval Code:	HSR002526
Group Standard:	Cleaning Products (Corrosive)
MPI:	MPI Approved for use in farm dairies



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### Subclasses:

Subclass 6.1 Category D - Substances which are acutely toxic.

Subclass 8.1 Category A - Substances that are corrosive to metals.

Subclass 8.2 Category C - Substances that are corrosive to dermal tissue.

Subclass 8.3 Category A - Substances that are corrosive to ocular tissue.

Subclass 9.1 Category C - Substances that are harmful in the aquatic environment.

Subclass 9.3 Category C - Substances that are harmful to terrestrial vertebrates.

### Hazard Statement(s):

H290 May be corrosive to metals.

H302 Harmful if swallowed.

H314 Causes severe skin burns and eye damage.

H333 May be harmful if inhaled.

H412 Harmful to aquatic life with long lasting effects.

H433 Harmful to terrestrial vertebrates.

## SECTION 16 : OTHER INFORMATION

New Zealand Poisons Information Center 0800 POISON (0800 764 766)

### Disclaimer:

The data given relates to this product alone, and not to its use in conjunction with other substances or products. In such circumstances, assuming the combination is permitted, refer to product labels, be guided by the most hazardous of the substances involved and observe the more stringent hazard controls applicable.

The information contained in this Safety Data Sheet was obtained from current and reliable sources. The data is supplied without warranty, expressed or implied regarding its correctness and accuracy. It is the user's responsibility to determine safe conditions for use of this product and to assume liability for loss, injury, damage, or expense resulting from improper use of this product.

Amendments: Updated formatting and reviewed data.

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