

SAFETY DATA SHEET

SCALEX

Infosafe No.: HC03E
ISSUED Date : 27/03/2018
ISSUED by: Hydro-Chem Pty Ltd

1. IDENTIFICATION

GHS Product Identifier

SCALEX

Company Name

Hydro-Chem Pty Ltd

Address

23B Industrial Drive Braeside
VIC 3195

Telephone/Fax Number

Tel: (03) 9553 1011

Emergency phone number

1300 558 788

Emergency Contact Name

Tony Ventura

Recommended use of the chemical and restrictions on use

A descaler that removes scale from metals in towers, pipes, condensers, etc.

Other Names

Name	Product Code
Sulfamic acid	
Amidosulphonic acid	

2. HAZARD IDENTIFICATION

GHS classification of the substance/mixture

Classified as Hazardous according to the Globally Harmonised System of Classification and Labelling of Chemicals (GHS) including Work, Health and Safety Regulations, Australia.

Classified as Dangerous Goods according to the Australian Code for the Transport of Dangerous Goods by Road and Rail. (7th edition)

Eye Damage/Irritation: Category 2A

Skin Corrosion/Irritation: Category 2

Signal Word (s)

WARNING

Hazard Statement (s)

H315 Causes skin irritation.

H319 Causes serious eye irritation.

Pictogram (s)

Exclamation mark



Precautionary statement – Prevention

P264 Wash contaminated skin thoroughly after handling.
 P280 Wear protective gloves/protective clothing/eye protection/face protection.

Precautionary statement – Response

P302+P352 IF ON SKIN: Wash with plenty of soap and water.
 P305+P351+P338 IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.
 P332+P313 If skin irritation occurs: Get medical advice/attention.
 P337+P313 If eye irritation persists: Get medical advice/attention.
 P362 Take off contaminated clothing and wash before reuse.

3. COMPOSITION/INFORMATION ON INGREDIENTS

Information on Composition

All ingredients in this product are listed on the Australian Inventory of Chemical Substances (AICS).

Ingredients

Name	CAS	Proportion
Sulphamic acid	5329-14-6	60-100 %

4. FIRST-AID MEASURES

Inhalation

Remove victim to fresh air.
 Seek medical advice if effects persist.

Ingestion

If swallowed, and if more than 15 minutes from a hospital, induce vomiting, preferably using Ipecac Syrup, APF*. Seek immediate medical attention.

Skin

Wash affected areas with copious quantities of water.
 Remove contaminated clothing and wash before re-use.
 Seek medical attention.

Eye contact

Immediately irrigate with copious quantity of water for at least 15 minutes. Eyelids to be held open.
 Seek medical attention.

Advice to Doctor

Consult Poisons Information Centre.

5. FIRE-FIGHTING MEASURES

Specific Hazards Arising From The Chemical

EXTINGUISHING MEDIA: Water spray, dry chemical, carbon dioxide
 SPECIAL FIRE FIGHTING PROCEDURES: Wear self-contained breathing apparatus and protective clothing
 UNUSUAL FIRE AND EXPLOSION HAZARDS: 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

Hazchem Code

2Z

6. ACCIDENTAL RELEASE MEASURES

Spills & Disposal

Sweep up 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.

7. HANDLING AND STORAGE

Precautions for Safe Handling

Handle and open containers with care.

Avoid generation or accumulation of dusts.

It is recommended that the product be handled in a closed system. If this is not practicable use local exhaust extraction or wear respiratory protection.

Avoid prolonged or repeated contact with skin and eyes .

Ensure the appropriate personal protective equipment is used when handling this material.

Conditions for safe storage, including any incompatibilities

Keep container tightly closed in a dry, well-ventilated place away from direct sunlight and other sources of heat or ignition.

8. EXPOSURE CONTROLS/PERSONAL PROTECTION

Occupational exposure limit values

No Exposure Limit Established

Appropriate 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 Protective Equipment

The following personal protective equipment should be worn.

Safety glasses, goggles or faceshield as appropriate.

Chemically resistant gloves.

Overalls or similar protective apparel.

Avoid all contact.

Always wash hands before smoking, eating, drinking or using the toilet.

9. PHYSICAL AND CHEMICAL PROPERTIES

Form

Solid

Appearance

White powder

Melting Point

205 C, decomposition

Boiling Point

Not Allocated

Specific Gravity

(Water = 1) 2.15

pH

2.0 (5% Soln)

Vapour Pressure

Not Allocated

Flash Point

Not Allocated

Flammability

Combustible.

Flammable Limits - Lower

Not Allocated

Molecular Weight

97.09

Other Information

SOLUBILITY IN WATER: Appreciable

10. STABILITY AND REACTIVITY

Possibility of hazardous reactions

STABILITY: Stable. However, material is shock sensitive and can decompose above 205 C. Avoid temperatures above 155 C or strong mechanical shock

INCOMPATIBILITY: Strong oxidisers, strong alkalis.

HAZARDOUS DECOMPOSITION PRODUCTS: Combustion will produce carbon dioxide and probably carbon monoxide. Oxides of nitrogen and sulphur may also be present

HAZARDOUS POLYMERISATION: Will not occur

11. TOXICOLOGICAL INFORMATION

Ingestion

Harmful by ingestion.

Inhalation

Inhalation of dust will result in respiratory irritation.

Skin

Causes burns.

Eye

Harmful to the eyes.

Causes burns.

12. ECOLOGICAL INFORMATION

Information on Ecological Effects

Avoid contaminating waterways.

Highly toxic to aquatic life/ birdlife.

Environmental toxicity

13. DISPOSAL CONSIDERATIONS

Waste Disposal

Refer to State Land Waste Management Authority or a Licensed disposal contractor for disposal.

Empty containers must be decontaminated, rinse with water before landfill disposal.

14. TRANSPORT INFORMATION

U.N. Number

2967

UN proper shipping name

SULFAMIC ACID

Transport hazard class(es)

8

Packing Group

III

Hazchem Code

2Z

Storage and Transport

Store away from oxidizing agents.

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.

Store away from alkalis.

EPG Number

8A1

IERG Number

37

15. REGULATORY INFORMATION

Poisons Schedule

S5

Packaging & Labelling

5kg DG Approved pail.

As required by the ADG Code and the Standard Uniform Scheduling of Drugs and Poisons.

16. OTHER INFORMATION

Contact Person/Point

Normal Working Hours - Ph: (03) 9553 1011 Fax: (03) 9553 1387

Ask for the Facilities Manager, Sales Manager or Services Manager.

After Hours - Ph : 1300 558 788

Further information/advice is available to those persons responsible for the design of safe work practices on their written request to HydroChem.

This SDS summarises to the best of our knowledge at the date of issue, the health and safety hazard information of the selected substance and how to safely handle the selected substance in the workplace. Each user should read this SDS and consider the information in the context of how the product will be handled and used in the workplace, including in conjunction with other products.

Hydro-Chem Pty Ltd responsibility for the material as sold is subject to the terms and conditions of sale, a copy of which is available upon request.

If clarification or further information is required, the user should contact Hydro-Chem Pty Ltd using the contact details provided.

Empirical Formula & Structural Formula

H₂ N SO₃ H

Revisions Highlighted

Section(s) : 2

Other Information

Hydro Balance is a range of product developed and manufactured by Hydro-Chem for the preventative maintenance of air conditioning and refrigeration systems.

END OF SDS

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