

Material Safety Data Sheet

Issue Date:	August 2005	RE-ISSUED by HYDROCHEM
Product Name:	DECALCIFIER	HYDRO 204

CLASSIFIED AS HAZARDOUS ACCORDING TO CRITERIA OF NOHSC

1. COMPANY DETAILS / IDENTIFICATION

Company Name: COMCATER
Address: 156 Swann Drive, Derrimut, Vic, 3030.
Tel/Fax: Ph: (03) 8369 4600 Fax: (03) 8369 4666

Other Information: This MSDS summarises our best knowledge of the health and safety hazard information of the product and how to safely handle and use the product in the workplace. Each user should read this MSDS 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.

Product Code:
Product Name: Rational Special Descaler
Proper Shipping: Corrosive Liquid, Acidic, Inorganic NOS.
UN Number: 3264
DG Class: 8
Packing Group: III
Hazchem Code: 2X
Poisons Schedule: Not Scheduled
Product Use: An acidic cleaning agent. Boiler descaler.
 Directions for Use: normally add 20 litres of HYDRO 204 for every 100 litres in the system.
 Consult your Hydro-Chem technical representative for your specific application.

2. COMPOSITION/INFORMATION ON INGREDIENTS

Chemical Liquid
Characterization
Information on All ingredients in this product are listed on the Australian Inventory of Chemical Substances
Composition (AICS).
Ingredients

Name	CAS	Proportion
Sulphamic acid	5329-14-6	10-30%

3. HAZARD IDENTIFICATION

Irritating to eyes and skin.

4. FIRST AID

Inhalation Remove victim to fresh air.
Ingestion: DO NOT induce vomiting. Give plenty of water to drink. Seek immediate medical assistance.
Eye: Immediately irrigate with copious quantity of water for at least 15 minutes. Eyelids to be held open. Seek medical attention.
Skin: Wash with plenty of soap and water. Seek medical assistance if effects persist.
Advice to Doctor: Treat symptomatically

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5. FIRE FIGHTING MEASURES

Extinguishing Media Foam, water spray or fog. Dry chemical powder, carbon dioxide, sand or earth may be used for small fires only.

Specific Hazards Dangerous when heated to decomposition or on contact with acid or acid fumes, it emits highly toxic fumes of SO_x.

Explosion Hazard Not considered explosive.

6. ACCIDENTAL RELEASE MEASURES

Spills & Disposal Contain using sand and earth – prevent runoff into drains and waterways. Collect and seal in properly labelled drums for disposal. Neutralise remaining product with lime or soda ash, adjusting pH to 6-10. Wash area down with excess water.

7. HANDLING & STORAGE

Handling: Handle and open containers with care. Prevent spillages. Avoid prolonged or repeated contact with skin and eyes.

Storage: Keep only in original container. Keep away from direct sunlight. Keep away from strong bases.

8. EXPOSURE CONTROLS, PERSONAL PROTECTION

Personal Protective Equipment: Wearing of the following personal protective equipment is recommended. Safety glasses, goggles or faceshield as appropriate. PVC or rubber gloves. Overalls or similar protective apparel.

Eng. Controls: Use with adequate ventilation.

9. PHYSICAL & CHEMICAL PROPERTIES

Appearance: A clear liquid with no distinct odour.

Boiling Point: Not allocated.

Vapour Pressure: Not allocated.

Specific Gravity: 1.13
(H₂O=1)

pH Value: 1.0

Flash Point: Not allocated.

Flamm. Limit LEL: Not allocated.

Other Information: Solubility in Water: soluble

10. STABILITY & REACTIVITY

Stability Stable under normal use conditions.
Reacts exothermically with bases (eg: caustic soda), ammonia, primary & secondary amines.

Materials to Avoid Strong bases.

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11. TOXICOLOGICAL INFORMATION

Toxicology Information: Sulphamic Acid – Acute Toxic Data
 Oral LD50 (rat) = 1.6mg/kg
 ipLD50 (rat) = 100mg/kg

Inhalation: May cause irritation to the throat and lungs.

Ingestion: May be harmful if swallowed.
 May cause irritation to mouth, throat and stomach.

Skin: Contact with skin will result in mild irritation. Corrosive to skin – may cause skin burns.

Eye: Harmful to the eyes. Corrosive to eyes; contact can cause corneal burns.

12. ECOLOGICAL INFORMATION

Environment Protection: Avoid contaminating waterways, drains, sewers, or ground.

13. DISPOSAL CONSIDERATIONS

Waste Disposal: Refer to State Land Waste Management Authority or a Licensed disposal contractor for disposal.
 Empty containers must be decontaminated, rinsed with water before landfill disposal.

14. TRANSPORT INFORMATION

U.N. Number: 3264

Proper Shipping Name: CORROSIVE LIQUID, ACIDIC, INORGANIC, NOS

DG Class: 8

Hazchem Code: 2X

Packaging Method: 3.8.8

Packing Group: III

Storage & Transport: Observe the requirements of the Australian Code for the transport of dangerous goods by road and rail.
 Store in cool place and out of direct sunlight.
 Keep containers securely sealed and protected against physical damage.

IERG Number: 37

15. REGULATORY INFORMATION

Risk Phrase: R36/38 Irritating to eyes and skin.

Safety Phrase: S2 Keep out of reach of children.
 S26 in case of contact with eyes, rinse immediately with plenty of water and seek medical advice.
 S28 after contact with skin, wash immediately with plenty of water.

Poisons Schedule: Not Scheduled.

Hazard Category: Irritant.

Packaging & Labelling: As required by the ADG Code and the Standard for the Uniform Scheduling of Drugs & Poisons.

16. OTHER INFORMATION

Contact: Melbourne: 156 Swann Drive, Derrimut, 3030
 Tel/Fax: Ph: (03) 8369 4600 Fax: (03) 8369 4666

Sydney: Unit 20/4 Avenue of the Americas, Newington 2127
 Ph: (02) 9748 3000 Fax: (02) 9648 4762

Brisbane: 1/62 Borthwick Avenue, Murarrie, QLD 4172
 Ph: (07) 3399 3122 Fax: (07) 3399 5311