

SAFETY DATA SHEET



SPECIAL DESCALER

Safety Data Sheet

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Issue Date: April 2020

RE-ISSUED by HYDROCHEM (HYDRO 204)

Product Name **Special Descaler**

Classified as hazardous

1. Company Details / Identification

GHS Product Identifier Special Descaler

Company Name Comcater

Address 156 Swann Drive, Derrimut
VIC 3030

Telephone/Fax Number Tel: (03) 8369 4600
Fax: (03) 8369 4666

Emergency Contact Poisons Information Centre - 13 11 26

Recommended use of the chemical and restrictions on use An acidic cleaning agent. Boiler de-scaler.
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. Hazard Identification

GHS classification of the substance/mixture Corrosive to Metals: Category 1
Skin Corrosion/Irritation: Category 1C
Eye Damage/Irritation: Category 2A

Signal Word (s) Warning

Hazard Statement (s) H290 May be corrosive to metals.
H314 Causes severe skin burns and eye damage.

Pictogram (s) Corrosion



Precautionary statement – Prevention P260 Do not breathe dust/fume/gas/mist/vapours/spray.
P264 Wash affected area thoroughly after handling.
P280 Wear protective gloves/protective clothing/eye protection/face protection.

Precautionary statement – Response P301+P330+P331 IF SWALLOWED: rinse mouth. Do NOT induce vomiting.
P303+P361+P353 IF ON SKIN (or hair): Remove/Take off immediately all contaminated clothing. Rinse skin with water/shower.
P363 Wash contaminated clothing before reuse.
P304+P340 IF INHALED: Remove victim to fresh air and keep at rest in a position comfortable for breathing.
P310 Immediately call a POISON CENTER or doctor/physician.
P321 Specific treatment (see First Aid Measures on this SDS).
P305+P351+P338 IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.

Precautionary statement – Storage P405 Store locked up.

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 | Hazard Symbol | Risk Phrase |
|-------------|----------------|-----------|------------|---------------|-------------|
| | Sulphamic acid | 5329-14-6 | 10-30 % | Xi | R36/38 |

4. First-aid measures

Inhalation Remove victim to fresh air.

Ingestion Do not induce vomiting. Give plenty of water to drink. Seek immediate medical assistance.

Skin Wash with plenty of soap and water. Seek medical advice if effects persist.

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

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Advice to Doctor Treat symptomatically.

5. Fire-fighting measures

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

Specific hazards arising from the chemical 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.

Hazchem Code 2X

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 and storage

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

Conditions for safe storage, including any incompatibilities Keep only in original container. Keep away from direct sunlight
Keep away from strong bases.

8. Exposure controls/personal protection

Appropriate engineering controls Use with adequate ventilation.

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.

9. Physical and chemical properties

Form Liquid

Appearance A clear liquid with no distinct odour.

Boiling Point Not Allocated

Specific Gravity 1.13

pH 1.0

Vapour Pressure Not Allocated

Flash Point Not Allocated

Flammability Non flammable.

Flammable Limits - Lower Not Allocated

Other Information Solubility in water : Soluble

10. Stability and reactivity

Chemical Stability Stable under normal use conditons.
Reacts exothermically with bases (eg caustic soda), ammonia, primary and secondary amines.

Incompatible Materials Strong bases.

11. Toxicological Information

Toxicology Information Sulphamic acid - Acute toxic data:
Oral LD₅₀ (rat) = 1.6 mg/kg
ipLD₅₀(rat) = 100 mg/kg

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

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| | |
|-------------------|---|
| Inhalation | May cause irritation to the throat and lungs. |
| 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

| | |
|---------------------------------|---|
| Environmental 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, rinse with water before landfill disposal. |
|-----------------------|---|

14. Transport information

| | |
|-----------------------------------|---|
| U.N. Number | 3264 |
| UN proper shipping name | CORROSIVE LIQUID, ACIDIC, INORGANIC, N.O.S. |
| Transport hazard class(es) | 8 |
| Hazchem Code | 2X |
| Packaging Method | 3.8.8 |
| Packing Group | III |
| Storage and 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

| | |
|----------------------------------|---|
| Poisons Schedule | S5 |
| Packaging & Labelling | As required by the ADG Code and the Standard for the Uniform Scheduling of Drugs and Poisons. |
| Hazard Category | Irritant |

16. Other Information

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|--|--|
| Contact Person/Point Australian Distributor | Comcater National Head Office: 156 Swann Drive, Derrimut VIC 3030 Phone (03) 8369 4600 fax (03) 8369 4666 |
| Manufacturer | Hydro-Chem Pty Ltd (Head Office & Manufacturing Facility) 27 Viking Ct, Cheltenham VIC 3192 Phone (03) 9553 1011 Fax (03) 9553 1387 |
| Other Information | This SDS 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 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. |