

SAFETY DATA SHEET

HYDRO 204

Infosafe No.: HC009
ISSUED Date : 17/02/2020
ISSUED by: Hydro-Chem Pty Ltd

1. IDENTIFICATION

GHS Product Identifier

HYDRO 204

Product Code

None

Product Type

CHEMICAL CLEANING AGENT

Company Name

Hydro-Chem Pty Ltd

Address

23B Industrial Drive Braeside
VIC AUSTRALIA

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

Normally use at the rate of 20 litres of Hydro 204 per 100 Litres of water.
Consult your Hydro-Chem technical representative for your specific recommendation.

Additional Information

Product Description : An inhibited acidic cleaning agent. Boiler descaler.

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)

Corrosive to Metals: Category 1

Eye Damage/Irritation: Category 2A

Skin Corrosion/Irritation: Category 1C

Signal Word (s)

DANGER

Hazard Statement (s)

H290 May be corrosive to metals.

H314 Causes severe skin burns and eye damage.

H319 Causes serious eye irritation.

Pictogram (s)

Corrosion



Precautionary statement – Prevention

- P234 Keep only in original container.
- P260 Do not breathe dust/fume/gas/mist/vapours/spray.
- P264 Wash contaminated skin 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.
- P304+P340 IF INHALED: Remove victim to fresh air and keep at rest in a position comfortable for breathing.
- 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 a POISON CENTER or doctor/physician.
- P337+P313 If eye irritation persists: Get medical advice/attention.
- P363 Wash contaminated clothing before reuse.
- P390 Absorb spillage to prevent material damage.

Precautionary statement – Storage

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

Precautionary statement – Disposal

- P501 Dispose of contents/container to / in accordance with local regulations.

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	10-30 %

4. FIRST-AID MEASURES

Inhalation

Remove victim to fresh air.

Ingestion

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

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.

Advice to Doctor

Treat symptomatically.

5. FIRE-FIGHTING MEASURES

Suitable Extinguishing Media

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

Emergency Procedures

Contain using sand and earth - prevent runoff into drains and waterways. Collect and seal in properly labelled drums for reuse or 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

Occupational exposure limit values

No Exposure Limit Established

Appropriate Engineering Controls

Use with adequate ventilation.

Personal Protective Equipment

Wearing of the following personal protective equipment is recommended.

Overalls or similar protective apparel.

Safety glasses, goggles or faceshield as appropriate.

PVC or rubber gloves.

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.

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

Corrosive to eyes; contact can cause corneal burns.

Harmful to the eyes.

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

Packing Group

III

Hazchem Code

2X

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

Labelling requirements of the Standard for Uniform Scheduling of Drugs and Poisons do not apply to a poison that is packed and sold solely for industrial, laboratory or manufacturing purposes; however is labelled in accordance with the National Occupational Health and Safety Commission's 'National Code of Practice for the Labelling of Workplace Substances'.

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.

END OF SDS

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