

SAFETY DATA SHEET

HYDRO 260

Infosafe No.: HYD0M
ISSUED Date : 03/05/2016
ISSUED by: Hydro-Chem Pty Ltd

1. IDENTIFICATION

GHS Product Identifier

HYDRO 260

Product Code

260

Product Type

CORROSION AND SCALE INHIBITOR

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

Initial Dose - Use at the rate of 500 ml Hydro 260 per 1000 Litres of water.
Maintenance Dose - 100 - 250 ml Hydro 260 per 1000 Litres of water.
Consult your HydroChem technical representative for specific recommendation.

Additional Information

Product Description : Corrosion and scale inhibitor for cooling water systems.

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

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.

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.
- 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/compatible 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
Phosphonobutane Tricarboxylic Acid	37971-36-1	0-10 %
Orthophosphoric acid	7664-38-2	0-10 %

4. FIRST-AID MEASURES

Inhalation

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

Ingestion

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

Skin

Wash with plenty of soap and water. If persistent irritation occurs, obtain 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

Treat symptomatically.

5. FIRE-FIGHTING MEASURES

Suitable Extinguishing Media

EXTINGUISHING MEDIA: Water jets, Water fog or Spray, foam, Dry agent, Carbon Dioxide.

Specific Hazards Arising From The Chemical

EXTINGUISHING MEDIA: Water jets, Water fog or Spray, foam, Dry agent, CO₂.

SPECIAL FIRE FIGHTING PROCEDURES: No special requirements.

Hazchem Code

2X

6. ACCIDENTAL RELEASE MEASURES

Emergency Procedures

IN CASE MATERIAL IS SPILLED OR RELEASED: Major spills should be contained, absorbed on sand or earth etc. and placed in sealed drums for disposal.

Wash area down with large quantities of water. Minor spills and residues may be hosed down with excess water.

Spills & Disposal

IN CASE MATERIAL IS SPILLED OR RELEASED: Major spills should be contained, absorbed on sand or earth etc. and placed in sealed drums for disposal.

Wash area down with large quantities of water. Minor spills and residues may be hosed down with excess water.

WASTE DISPOSAL METHODS: Refer to State Land Waste Management Authority.

Normally suitable for disposal at approved land waste site.

7. HANDLING AND STORAGE

Other Information

Thoroughly flush residue with water but do not contaminate waterways. This product is toxic to fish and aquatic invertebrates.

8. EXPOSURE CONTROLS/PERSONAL PROTECTION

Occupational exposure limit values

TWA = 1 mg/m³

STEL = 3 mg/m³

Appropriate Engineering Controls

Use with adequate ventilation.

Personal Protective Equipment

Wearing of the following personal protective equipment may be advisable.

PVC or rubber gloves.

Safety glasses, goggles or faceshield as appropriate.

Splash apron.

Boots.

9. PHYSICAL AND CHEMICAL PROPERTIES

Form

Liquid

Appearance

A clear colourless liquid with no distinct odour.

Boiling Point

100°C

Specific Gravity

1.12+/- 0.01 @ 20°C

pH

0 to 2

Vapour Pressure

0.0285 mmHg @ 20°C

Flash Point

None

Flammability

Not flammable under conditions of use.

Flammable Limits - Lower

Not Allocated

Other Information

Solubility in water: 100%

10. STABILITY AND REACTIVITY

Possibility of hazardous reactions

STABILITY: Stable

CONDITIONS TO AVOID: None

HAZARDOUS DECOMPOSITION PRODUCTS: When heated to decomposition, can emit fumes of Pox.

HAZARDOUS POLYMERIZATION: Will not occur.

INCOMPATIBILITY (Materials to avoid): Strong alkalis.

11. TOXICOLOGICAL INFORMATION

Ingestion

May cause severe burns to the mouth, throat and stomach.

Ingestion can result in nausea, vomiting, diarrhoea, abdominal pain, and/or convulsions.

Inhalation

Does not present an inhalation hazard.

Skin

Corrosive to skin - may cause skin burns.

Eye

Corrosive to eyes; contact can cause corneal burns.

Chronic Effects

There have been no reports in the literature of health effects in workers from long term exposure.

12. ECOLOGICAL INFORMATION

13. DISPOSAL CONSIDERATIONS

14. TRANSPORT INFORMATION

U.N. Number

3265

UN proper shipping name

CORROSIVE LIQUID, ACIDIC, ORGANIC, N.O.S.

Transport hazard class(es)

8

Packing Group

III

Hazchem Code

2X

Storage and Transport

Must be stored and transported in accordance with State and Territory Dangerous Goods Regulations.

IERG Number

37

15. REGULATORY INFORMATION

Poisons Schedule

S6

Packaging & Labelling

Dangerous Goods Class: 8

Packaging Group: III

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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