

SAFETY DATA SHEET

HYDRO 428

Infosafe No.: HC01Z
ISSUED Date : 03/05/2016
ISSUED by: Hydro-Chem Pty Ltd

1. IDENTIFICATION

GHS Product Identifier

HYDRO 428

Product Code

428

Product Type

CLOSED CIRCUIT CORROSION 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 1.5 L Hydro 428 per 1000 Litres of water.
Maintenance Dose - 1.2-1.5 L Hydro 428 per 1000 Litres of water.
Consult your HydroChem technical representative for specific recommendation.

Additional Information

Product Description : Corrosion inhibitor for closed heating and 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.

Not classified as Dangerous Goods according to the Australian Code for the Transport of Dangerous Goods by Road and Rail. (7th edition)

Acute Toxicity - Oral: Category 4

Signal Word (s)

WARNING

Hazard Statement (s)

H302 Harmful if swallowed.

Pictogram (s)

Exclamation mark

**Precautionary statement – Prevention**

P264 Wash contaminated skin thoroughly after handling.
P270 Do not eat, drink or smoke when using this product.

Precautionary statement – Response

P301+P312 IF SWALLOWED: Call a POISON CENTER or doctor/physician if you feel unwell.
P330 Rinse mouth.

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
Sodium nitrite	7632-00-0	10-30 %
Sodium hydroxide	1310-73-2	0-1 %

4. FIRST-AID MEASURES

Inhalation

Remove victim from exposure - avoid becoming a casualty.

For all but the most minor symptoms arrange for patient to be seen by a doctor as soon as possible - either on site or at the nearest hospital.

Ingestion

Give plenty of water to drink.

Seek medical attention.

Skin

Wash with plenty of soap and water.

If swelling, redness, blistering or irritation occurs seek medical advice.

Eye contact

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

Seek medical advice if effects persist.

Advice to Doctor

Treat as for strong oxidizing agent. If product decomposition has occurred, check for inhalation of nitrous gases.

5. FIRE-FIGHTING MEASURES

Fire Fighting Measures

As in any fire, wear an approved self-contained breathing apparatus in pressure-demand, and full protective gear.

Suitable Extinguishing Media

Extinguishing Media : Use CO₂, dry chemical, foam or water spray.

6. ACCIDENTAL RELEASE MEASURES

Emergency Procedures

Major spills should be contained, absorbed on sand or earth and placed in sealed drums for disposal. Minor spills and residuals may be hosed down with excess water to sewer drain.

Spills & Disposal

CLEAN-UP METHODS - SMALL SPILLAGE (20L or less): Absorb or contain liquid with sand, earth or spill control material. Shovel up using non sparking tools and place in a labelled, sealable container for subsequent safe disposal. Put leaking containers in a labelled drum or overdrum. Scrub contaminated surfaces with detergent solution. Retain washings as contaminated waste.

CLEAN-UP METHODS - LARGE SPILLAGE (more than 20L): Transfer to a labelled, sealable container for product recovery or safe disposal. Treat residues as for small spillage.

7. HANDLING AND STORAGE

Precautions for Safe Handling

Handle and open containers with care.

Gently agitate drums before use to ensure homogeneity.

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

Conditions for safe storage, including any incompatibilities

No special storage requirements.

Keep only in original container.

Keep container tightly closed and dry

8. EXPOSURE CONTROLS/PERSONAL PROTECTION

Occupational exposure limit values

No data supplied.

Appropriate Engineering Controls

Use with adequate ventilation.

Personal Protective Equipment

Avoid all contact.

Avoid repeated and prolonged skin contact.

Wearing of the following personal protective equipment is recommended;

Safety glasses, goggles or faceshield as appropriate; Chemically resistant gloves; Overalls or similar protective apparel.

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

9. PHYSICAL AND CHEMICAL PROPERTIES

Form

Liquid

Appearance

Dark brown liquid with slight odour.

Boiling Point

100°C

Specific Gravity

1.15 @ 20°C

pH

11.0

Vapour Pressure

Not Allocated

Flash Point

> 100°C

Flammability

Non combustible. Non flammable.

Flammable Limits - Lower

Not Allocated

Other Information

Solubility in water: 100%

10. STABILITY AND REACTIVITY

Possibility of hazardous reactions

Stable.

Conditions to avoid: Decomposition temperature of 320°C

Hazardous Decomposition Products: Product may form nitrous gases.

11. TOXICOLOGICAL INFORMATION

Toxicology Information

As sodium nitrite LD50 (oral rat) = 85 mg/kg.

Ingestion

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

Inhalation

Not normally an inhalation risk due to low vapour pressure at ambient temperatures.

Skin

Contact with skin will result in moderate irritation.

Eye

A moderate eye irritant.

Chronic Effects

Product as supplied is an eye irritant. It is not a primary skin irritant but persistent contact with the product should be avoided.

12. ECOLOGICAL INFORMATION

Environmental Protection

Avoid contaminating waterways.

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

Transport Information

Not classified as Dangerous Goods according to the Australian Code for the Transport of Dangerous Goods by Road and Rail.

U.N. Number

None Allocated

UN proper shipping name

None Allocated

Transport hazard class(es)

None Allocated

Storage and Transport

Must be stored and transported in accordance with State and Territory dangerous goods regulations.

15. REGULATORY INFORMATION

Poisons Schedule

S6

Packaging & Labelling

As required by the ADG Code and the Standard for the 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.

Other Information**ABBREVIATIONS:**

- ACGIH - American Conference of Government Industrial Hygienists
- OSHA - Occupational Safety and Health Information
- TLV - Threshold Limit Value
- NOHSC - National Occupational Health & Safety Committee

END OF SDS

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