

# SAFETY DATA SHEET

**HYDRO 486**

Infosafe No.: HC02X  
ISSUED Date : 25/05/2016  
ISSUED by: Hydro-Chem Pty Ltd

## 1. IDENTIFICATION

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**GHS Product Identifier**

HYDRO 486

**Product Code**

486

**Product Type**

BOILER WATER OXYGEN SCANVENGER

**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 litre Hydro 486 per 1000 Litres of water.  
Maintenance Dose - 5 - 20 ml per Hydro 486 per 1000 Liters of water.  
Consult your HydroChem technical representative for specific recommendation.

**Additional Information**

Product Description : A boiler or steam generator additive used as part of the corrosion prevention program.

## 2. HAZARD IDENTIFICATION

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**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)

Eye Damage/Irritation: Category 2A

**Signal Word (s)**

WARNING

**Hazard Statement (s)**

H319 Causes serious eye irritation.

**Pictogram (s)**

Exclamation mark

**Precautionary statement – Prevention**

P264 Wash contaminated skin thoroughly after handling.

P280 Wear protective gloves/protective clothing/eye protection/face protection.

**Precautionary statement – Response**

P305+P351+P338 IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.

P337+P313 If eye irritation persists: Get medical advice/attention.

### 3. COMPOSITION/INFORMATION ON INGREDIENTS

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**Information on Composition**

All ingredients in this product are listed on the Australian Inventory of Chemical Substances (AICS).

**Ingredients**

Name	CAS	Proportion
Tannin	1401-55-4	30-60 %

### 4. FIRST-AID MEASURES

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**Inhalation**

Non-volatile.

**Ingestion**

Rinse mouth thoroughly with water immediately.

Seek medical advice if effects persist.

**Skin**

Wash with plenty of soap and water.

**Eye contact**

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

If persistent irritation occurs, obtain medical attention.

### 5. FIRE-FIGHTING MEASURES

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**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 appropriate fire extinguisher for surrounding environment.

**Specific Hazards Arising From The Chemical**

No unusual fire or explosion hazards.

Low hazard

## 6. ACCIDENTAL RELEASE MEASURES

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### Emergency Procedures

Spills: Wash area with copious amounts of water. Solutions may make surfaces slippery. Small quantities : Dilute and wash away to sewer.

Large quantities : Normally contained. Use absorbent (soil,sand,sawdust or inert material). Collect and seal in properly labelled drums (plastic or steel) for reuse or disposal. Residue can be washed to sewer.

## 7. HANDLING AND STORAGE

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### Precautions for Safe Handling

Handle and open containers with care.

Avoid prolonged or repeated contact with eyes.

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

### Conditions for safe storage, including any incompatibilities

Store in a cool,dry place.

Store away from oxidizing agents.

## 8. EXPOSURE CONTROLS/PERSONAL PROTECTION

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### Occupational exposure limit values

TLV not established

No data supplied.

### Appropriate Engineering Controls

No special ventilation required.

### Personal Protective Equipment

Wearing of the following personal protective equipment is recommended.

Safety glasses,goggles or faceshield as appropriate.

PVC or rubber gloves.

Enclosed footwear.

### Hygiene Measures

Wash hands before eating, drinking, smoking and using the toilet.

## 9. PHYSICAL AND CHEMICAL PROPERTIES

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### Form

Liquid

### Appearance

Dark brown liquid, tannin odour.

### Boiling Point

Not Allocated

### Specific Gravity

1.124 @ 20°C

### pH

5.2

### Vapour Pressure

Not Allocated

### Flash Point

Not Allocated

**Flammability**

Non flammable.

**Flammable Limits - Lower**

Not Allocated

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## 10. STABILITY AND REACTIVITY

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**Chemical Stability**

Stable.

**Incompatible materials**

Strong oxidizing agents.

**Hazardous Decomposition Products**

This ligneus material decomposes forming acrid fumes and carbon monoxide with insufficient oxygen.

**Hazardous Polymerization**

Will not occur.

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## 11. TOXICOLOGICAL INFORMATION

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**Toxicology Information**

Tannin - Acute tox. data : Oral LD50 (rats) = 2260 mg/kg.

**Ingestion**

May be harmful if swallowed.

May cause irritation to mouth, throat and stomach.

**Inhalation**

Non-harmful by inhalation.

**Skin**

Contact with skin may result in irritation.

Repeated or prolonged skin contact may lead to irritation.

**Eye**

A moderate eye irritant.

**Mutagenicity**

There is research evidence that tannins inhibit mutagenicity.

**Chronic Effects**

The product is not known to present any chronic effect including sensitisation, carcinogenicity and adverse reproductive activity.

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## 12. ECOLOGICAL INFORMATION

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**Environmental Protection**

Biodegradable, discolours water. In the presence of iron salts the water discolours to blue/black.

It is slowly biodegradable and does not persist in soil.

In common with tannins the product exhibits some slight aquatic toxicity which can be minimised by dilution with copious amounts of water.

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## 13. DISPOSAL CONSIDERATIONS

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**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

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**U.N. Number**

None Allocated

**UN proper shipping name**

None Allocated

**Transport hazard class(es)**

None Allocated

**Storage and Transport**

This product is not considered as dangerous goods under current T.D.G.A. regulations.

## 15. REGULATORY INFORMATION

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**Poisons Schedule**

Not Scheduled

**Packaging & Labelling**

15 litre polyethylene drums.

200 litre steel drum.

As required by the ADG Code and the Standard for the Uniform Scheduling of Drugs and Poisons.

## 16. OTHER INFORMATION

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**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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