

# SAFETY DATA SHEET

according to Regulation (EU) 2015/830

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## Hydro TR16

Revision 5

Revision date 2020-08-26

### SECTION 1: Identification of the substance/mixture and of the company/undertaking

#### 1.1. Product identifier

Product name	Hydro TR16
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#### 1.2. Relevant identified uses of the substance or mixture and uses advised against

Product Use	[SU3] Industrial uses: Uses of substances as such or in preparations at industrial sites; [SU23] Electricity, steam, gas water supply and sewage treatment; [PC37] Water treatment chemicals; ----- [SU22] Professional uses: Public domain (administration, education, entertainment, services, craftsmen); [SU23] Electricity, steam, gas water supply and sewage treatment; [PC37] Water treatment chemicals;
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#### 1.3. Details of the supplier of the safety data sheet

Company	Hydrochem (UK) Limited
Address	Unit 1 Graythorp Industrial Estate Tees Road Hartlepool TS25 2DF
Web	www.hydrochemgroup.co.uk
Telephone	+44 00)1429 860 836
Email	info@hydrochemgroup.co.uk
Email address of the competent person	info@hydrochemgroup.co.uk

#### 1.4. Emergency telephone number


Emergency telephone number	+44 90)1429 860 836 9.00 am - 5.00 pm Mon - Fri
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### SECTION 2: Hazards identification

#### 2.1. Classification of the substance or mixture

2.1.2. Classification - EC 1272/2008	Skin Corr. 1B: H314;
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#### 2.2. Label elements

Hazard pictograms	
Signal Word	Danger
Hazard Statement	Skin Corr. 1B: H314 - Causes severe skin burns and eye damage.
Precautionary Statement: Prevention	P264 - Wash hands 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): Take off immediately all contaminated clothing. Rinse

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## 2.2. Label elements

Precautionary Statement: Disposal	skin with water/shower. P304+P340 - IF INHALED: Remove person to fresh air and keep 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.
	P501 - Dispose of contents/container to an approved waste disposal plant.

## SECTION 3: Composition/information on ingredients

## 3.2. Mixtures

## EC 1272/2008

Chemical Name	Index No.	CAS No.	EC No.	REACH Registration Number	Conc. (%w/w)	Classification
Hydrogen peroxide solution...% (Hydrogen peroxide)	008-003-00-9	7722-84-1	231-765-0		10 - 20%	Ox. Liq. 1: H271; Acute Tox. 4: H332; Acute Tox. 4: H302; Skin Corr. 1A: H314;
Silver nitrate	047-001-00-2	7761-88-8	231-853-9		0 - 0.5%	Ox. Sol. 2: H272; Skin Corr. 1B: H314; Aquatic Acute 1: H400; Aquatic Chronic 1: H410;

## SECTION 4: First aid measures

## 4.1. Description of first aid measures

Inhalation	Remove casualty from exposure ensuring ones own safety. If unconscious and breathing is OK, place in the recovery position. If unconscious, check for breathing and apply artificial respiration if necessary. Move the exposed person to fresh air. Seek medical attention.
Eye contact	Bathe the eye with running water for 15 minutes. Transfer to hospital for specialist examination.
Skin contact	Remove all contaminated clothes and footwear immediately unless stuck to skin. Drench all affected skin with running water for 10 minutes or longer if substance is still on skin. Transfer to hospital if there are burns or symptoms of poisoning.
Ingestion	DO NOT INDUCE VOMITING. Drink 1 to 2 glasses of water. If breathing stops, provide artificial respiration. If unconscious and breathing is ok, Transfer to hospital as soon as possible.

## 4.2. Most important symptoms and effects, both acute and delayed

Inhalation	Coughing, difficulty in breathing and in severe cases, loss of consciousness. Prolonged or repeated exposure may cause: Lung inflammation.
Eye contact	May cause irritation to eyes. Corneal burns may occur. Risk of serious damage to eyes.
Skin contact	May cause irritation to skin. Severe burns and blistering may occur.
Ingestion	Ingestion may cause nausea and vomiting. May cause throat burns. Stomach pain may occur.

## 4.3. Indication of any immediate medical attention and special treatment needed

	Show this safety data sheet to the doctor in attendance. A decontamination shower should be available on the premises. eye bathing equipment should be available on the premises.
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## SECTION 5: Firefighting measures

## 5.1. Extinguishing media

	Suitable extinguishing media for the surrounding fire should be used. Do NOT use water jet. Cool fire exposed containers with waterspray.
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## 5.2. Special hazards arising from the substance or mixture

	In closed unventilated containers, risk of rupture due to increased pressure from decomposition.
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## 5.3. Advice for firefighters

	Wear self-contained breathing apparatus. Wear protective clothing to prevent contact with skin and eyes.
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**SECTION 6: Accidental release measures****6.1. Personal precautions, protective equipment and emergency procedures**

Do not attempt to take action without suitable protective clothing - See section 8 of SDS. Wear suitable protective clothing.

**6.2. Environmental precautions**

Do not discharge into drains or rivers. Contain the spillage using bunding.

**6.3. Methods and material for containment and cleaning up**

Transfer to a closable, labelled salvage container for disposal by an appropriate method.

**6.4. Reference to other sections**

\* Refer to section 8 of SDS.

**SECTION 7: Handling and storage****7.1. Precautions for safe handling**

avoid direct contact with the substance. Ensure adequate ventilation of the working area. Wear suitable protective clothing.

**7.2. Conditions for safe storage, including any incompatibilities**

avoid incompatible materials and conditions - See section 10 of SDS. Do not mix with. Keep container tightly closed and dry. Store in a cool, dry area.

**Suitable packaging**

Keep only in the original container in a cool, well-ventilated place.

**7.3. Specific end use(s)**

No data available.

**SECTION 8: Exposure controls/personal protection****8.1. Control parameters****8.1.1. Exposure Limit Values**

Hydrogen peroxide solution...% (Hydrogen peroxide)	WEL 8-hr limit ppm: 1	WEL 8-hr limit mg/m3: 1.4
	WEL 15 min limit ppm: 2	WEL 15 min limit mg/m3: 2.8
	WEL 8-hr limit mg/m3 total - inhalable dust:	WEL 15 min limit mg/m3 total - inhalable dust:
	WEL 8-hr limit mg/m3 total - respirable dust:	WEL 15 min limit mg/m3 total - respirable dust:

**8.2. Exposure controls****8.2.1. Appropriate engineering controls**

Ensure adequate ventilation of the working area.

**Eye / face protection**

Approved safety goggles. Face shield. Ensure eye bath is nearby.

**Skin protection -  
Handprotection**

Nitrile rubber gloves. Wear suitable gloves. Chemical resistant gloves.

**Skin protection - Other**

Wear suitable protective footwear: Chemical Resistant Wellingtons. Ensure Safety Shower is nearby. Wear suitable protective clothing and gloves.

**Respiratory protection**

Wear suitable respiratory equipment when necessary.

**8.2.3. Environmental exposure controls**

No data available.

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**SECTION 9: Physical and chemical properties****9.1. Information on basic physical and chemical properties**

<b>Appearance</b>	Aqueous solution/Liquid
<b>Colour</b>	Clear
<b>Odour</b>	Mild/Slight
<b>Water solubility</b>	Not required
<b>Fat Solubility</b>	No data available
<b>Soluble in</b>	No data available
<b>Miscible in</b>	No data available
<b>Partition coefficient (n-octanol/water)</b>	No data available
<b>Partition coefficient</b>	No data available
<b>Autoignition temperature</b>	No data available
<b>Decomposition temperature</b>	No data available
<b>Viscosity</b>	No data available
<b>Explosive properties</b>	No data available
<b>Oxidising properties</b>	No data available
<b>Odour threshold</b>	No data available
<b>pH</b>	No data available
<b>Melting point</b>	No data available
<b>Freezing Point</b>	No data available
<b>Initial boiling point</b>	No data available
<b>Flash point</b>	No data available
<b>Evaporation rate</b>	No data available
<b>Flammability (solid, gas)</b>	No data available
<b>Vapour Flammability</b>	No data available
<b>Upper Explosive Limit</b>	No data available
<b>Lower Explosive Limit</b>	No data available
<b>Vapour pressure</b>	No data available
<b>Vapour density</b>	No data available
<b>Relative density</b>	No data available
<b>Solubility</b>	No data available

**9.2. Other information**

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## 9.2. Other information

<b>SADT</b>	No data available
<b>Conductivity</b>	No data available
<b>Surface tension</b>	No data available
<b>Specific gravity</b>	No data available
<b>Bulk Density</b>	No data available
<b>Softening point</b>	No data available
<b>Pour point</b>	No data available
<b>Sublimation Point</b>	No data available
<b>Gas group</b>	No data available
<b>Benzene Content</b>	No data available
<b>Lead content</b>	No data available
<b>VOC (Volatile organic compounds)</b>	No data available
<b>Redox Potential</b>	No data available
<b>Radical Formation Potential</b>	No data available
<b>Photocatalytic Properties</b>	No data available
<b>Electrical Resistance</b>	No data available
<b>Total Solids</b>	No data available
<b>Atomic number</b>	No data available
<b>Mass number</b>	No data available
<b>Chemical Symbol</b>	No data available
<b>Physical Half Life</b>	No data available
<b>Specific Activity</b>	No data available
<b>Activity</b>	No data available
<b>Principle Emissions Beta</b>	No data available
<b>Principle Emissions Gamma</b>	No data available
<b>Principle Emissions Alpha</b>	No data available
<b>Principle Emissions Neutron</b>	No data available

No information available at this time.

**SECTION 10: Stability and reactivity**

## 10.1. Reactivity

Avoid contact with: Combustible substances.

## 10.2. Chemical stability

Stable under normal conditions.

## 10.3. Possibility of hazardous reactions

No data is available on this product.

## 10.4. Conditions to avoid

Direct sunlight. Keep away from heat.

## 10.5. Incompatible materials

Alkalis. Combustible liquid. Copper and its alloys. Organic materials. Reducing agents. Galvanised Iron, Iron, Heavy Metals, Metallic ions.

## 10.6. Hazardous decomposition products

Oxygen which supports combustion. Liable to produce overpressure in container.

**SECTION 11: Toxicological information**

## 11.1. Information on toxicological effects

**Skin corrosion/irritation**

May be irritation and redness at the site of contact. Blistering and burns may occur.

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## 11.1. Information on toxicological effects

Serious eye damage/irritation	May be irritation and redness. May be severe pain, Corneal burns may occur, Risk of serious damage to eyes.
Respiratory or skin sensitisation	May be coughing and a sore throat. May be congestion of the lungs. May cause shortness of breath. May be corrosive to mucous membranes. Prolonged inhalation of mists may cause lung inflammation.

## 11.1.2. Mixtures

	No data available.
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## 11.1.3. Hazard Information

	No data available.
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## 11.1.4. Toxicological Information

	No data available
	No data available.

## 11.1.5. Hazard Class

	No data available.
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## 11.1.6. Classification Criteria

	No data available.
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## 11.1.7. Information on likely routes of exposure

	No data available.
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## 11.1.8. Symptoms related to the physical, chemical and toxicological characteristics

	No data available.
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## 11.1.9. Delayed and immediate effects as well as chronic effects from short and long-term exposure

	No data available.
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## 11.1.10. Interactive effects

	No data available.
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## 11.1.11. Absence of specific data

	No data available.
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## 11.1.12. Mixture versus substance information

	No data available.
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## 11.1.13. Other information

	No data available.
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## SECTION 12: Ecological information

## 12.1. Toxicity

	No data available
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## 12.2. Persistence and degradability

	No data available.
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## PBT

	No data available.
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## 12.3. Bioaccumulative potential

	No data available.
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## BCF: Bioconcentration factor.

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## BCF: Bioconcentration factor.

No data available.

## Partition coefficient

Hydro TR16 No data available

## PBT identification:

No data available.

## PBT identification:

No data available.

## 12.4. Mobility in soil

No data available.

## 12.5. Results of PBT and vPvB assessment

No data available.

## 12.6. Other adverse effects

Do not allow to enter watercourses or soils. Spillage in sewers or waterways must be avoided.  
Discharge of large quantities may kill fish and other aquatic life.

## SECTION 13: Disposal considerations

## 13.1. Waste treatment methods

Dispose of as special waste in compliance with local and national regulations.

## Disposal methods

Contaminated containers must not be treated as household waste. Where practicable, containers and packaging should be recycled by a licensed contractor.

## SECTION 14: Transport information

## SECTION 15: Regulatory information

## 15.1. Safety, health and environmental regulations/legislation specific for the substance or mixture

No data available.

## 15.2. Chemical safety assessment

No data available.

## SECTION 16: Other information

## Other information

## Revision

This document differs from the previous version in the following areas:.

- 1 - Product Use.
- 2 - 2.1. Classification of the substance or mixture.
- 2 - 2.1.2. Classification - EC 1272/2008.
- 2 - Hazard pictograms.
- 2 - Precautionary Statement: Prevention.
- 2 - Precautionary Statement: Response.
- 2 - Precautionary Statement: Storage.
- 2 - Precautionary Statement: Disposal.
- 5 - 5.2. Special hazards arising from the substance or mixture.
- 9 - 9.1. Information on basic physical and chemical properties (Appearance).
- 9 - 9.1. Information on basic physical and chemical properties (Colour).
- 9 - 9.1. Information on basic physical and chemical properties (Odour).
- 10 - 10.2. Chemical stability.
- 10 - 10.4. Conditions to avoid.
- 10 - 10.3. Possibility of hazardous reactions.
- 10 - 10.6. Hazardous decomposition products.

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## Other information

	<p>10 - 10.1. Reactivity.  10 - 10.5. Incompatible materials.  11 - 11.1.4. Toxicological Information.  11 - 11.1.2. Mixtures.  11 - 11.1.3. Hazard Information.  11 - 11.1.5. Hazard Class.  11 - 11.1.6. Classification Criteria.  11 - 11.1.7. Information on likely routes of exposure.  11 - 11.1.8. Symptoms related to the physical, chemical and toxicological characteristics.  11 - 11.1.9. Delayed and immediate effects as well as chronic effects from short and long-term exposure.  11 - 11.1.10. Interactive effects.  11 - 11.1.11. Absence of specific data.  11 - 11.1.12. Mixture versus substance information.  11 - 11.1.13. Other information.  12 - 12.1. Toxicity.  12 - 12.5. Results of PBT and vPvB assessment.  12 - PBT.  12 - BCF: Bioconcentration factor.  12 - Partition coefficient.  12 - PBT identification:.  15 - Labelling.  15 - Risk phrases.  15 - Safety phrases.  15 - 15.1. Safety, health and environmental regulations/legislation specific for the substance or mixture.  15 - 15.2. Chemical safety assessment.</p>
<b>Text of Hazard Statements in Section 3</b>	<p>Ox. Liq. 1: H271 - May cause fire or explosion; strong oxidiser.  Ox. Liq. 2: H272 - May intensify fire; oxidiser.  Acute Tox. 4: H302 - Harmful if swallowed.  Skin Corr. 1A: H314 - Causes severe skin burns and eye damage.  Skin Corr. 1B: H314 - Causes severe skin burns and eye damage.  Skin Irrit. 2: H315 - Causes skin irritation.  Eye Dam. 1: H318 - Causes serious eye damage.  Eye Irrit. 2: H319 - Causes serious eye irritation.  Acute Tox. 4: H332 - Harmful if inhaled.  STOT SE 3: H335 - May cause respiratory irritation.  Ox. Sol. 2: H272 - May intensify fire; oxidiser.  Aquatic Acute 1: H400 - Very toxic to aquatic life.  Aquatic Chronic 1: H410 - Very toxic to aquatic life with long lasting effects.</p>

## Further information

	<p>The information supplied in this Safety Data Sheet is designed only as guidance for the safe use, storage and handling of the product. This information is correct to the best of our knowledge and belief at the date of publication however no guarantee is made to its accuracy. This information relates only to the specific material designated and may not be valid for such material used in combination with any other materials or in any other process.</p>
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