



The Water Treatment Products Company

**SAFETY DATA SHEET**  
**ACCEPTA 8101/HUWA-SAN**

According to Regulation (EC) No 1907/2006, Annex II

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

**1.1. Product identifier**

**Product name** ACCEPTA 8101/HUWA-SAN

**Product number** AT-8101

**BPR Labelling**

**1.2. Relevant identified uses of the substance or mixture and uses advised against**

**Identified uses** Synergised hydrogen peroxide and silver biocide Product discontinued in 2017 - no longer sold under this brand.

**1.3. Details of the supplier of the safety data sheet**

**Supplier** ACCEPTA LIMITED  
Accepta Ltd  
Unit 15  
Tarran Road  
Tarran Industrial Estate  
Merseyside  
CH46 4TU  
United Kingdom  
+44 (0) 161 877 2334  
+44 (0) 870 135 6389  
info@accepta.com

**1.4. Emergency telephone number**

**National emergency telephone number** Accepta UK office - 0161 877 2334 (09:00-17:00 Mon-Fri)

**SECTION 2: Hazards identification**

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

**Classification (EC 1272/2008)**

**Physical hazards** Ox. Liq. 2 - H272

**Health hazards** Acute Tox. 4 - H302 Acute Tox. 4 - H332 Skin Corr. 1B - H314 Eye Dam. 1 - H318 STOT SE 3 - H335

**Environmental hazards** Aquatic Chronic 3 - H412

**Classification (67/548/EEC or 1999/45/EC)** Xn;R20/22. C;R34. Xi;R37. O;R8.

**2.2. Label elements**

## ACCEPTA 8101/HUWA-SAN

### Pictogram



### Signal word

Danger

### Hazard statements

H272 May intensify fire; oxidiser.  
 H302 Harmful if swallowed.  
 H314 Causes severe skin burns and eye damage.  
 H335 May cause respiratory irritation.  
 H412 Harmful to aquatic life with long lasting effects.

### Precautionary statements

P210 Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking.  
 P221 Take any precaution to avoid mixing with combustibles.  
 P260 Do not breathe vapour/ spray.  
 P264 Wash contaminated skin thoroughly after handling.  
 P270 Do not eat, drink or smoke when using this product.  
 P271 Use only outdoors or in a well-ventilated area.  
 P273 Avoid release to the environment.  
 P280 Wear protective gloves/ protective clothing/ eye protection/ face protection.  
 P301+P310 IF SWALLOWED: Immediately call a POISON CENTER/ doctor.  
 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 skin with water or 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.  
 P312 Call a POISON CENTRE/doctor if you feel unwell.  
 P363 Wash contaminated clothing before reuse.  
 P370+P378 In case of fire: Use foam, carbon dioxide, dry powder or water fog to extinguish.  
 P403+P233 Store in a well-ventilated place. Keep container tightly closed.  
 P501 Dispose of contents/ container in accordance with national regulations.  
 P401 Store in accordance with national regulations.  
 P405 Store locked up.

### Supplemental label information

RCH002a Restricted to professional users.  
 RCH005a This product is not to be used under conditions of poor ventilation.  
 BPR001 Use biocides safely. Always read the label and product information before use.

### Contains

HYDROGEN PEROXIDE SOLUTION 50 %

### 2.3. Other hazards

Not applicable.

## SECTION 3: Composition/information on ingredients

### 3.2. Mixtures

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<b>HYDROGEN PEROXIDE SOLUTION ... %</b>		<b>30-60%</b>
CAS number: 7722-84-1	EC number: 231-765-0	REACH registration number: 01-2119485845-22-XXXX
<b>Classification</b>	<b>Classification (67/548/EEC or 1999/45/EC)</b>	
Ox. Liq. 1 - H271	R5 O;R8 C;R35 Xn;R20/22	
Acute Tox. 4 - H302		
Acute Tox. 4 - H332		
Skin Corr. 1A - H314		
Eye Dam. 1 - H318		
STOT SE 3 - H335		

The Full Text for all R-Phrases and Hazard Statements are Displayed in Section 16.

### SECTION 4: First aid measures

#### 4.1. Description of first aid measures

<b>Inhalation</b>	Remove affected person from source of contamination. Keep affected person warm and at rest. Get medical attention immediately. If breathing stops, provide artificial respiration.
<b>Ingestion</b>	Never give anything by mouth to an unconscious person. Do not induce vomiting. Rinse mouth thoroughly with water. Get medical attention immediately.
<b>Skin contact</b>	Remove affected person from source of contamination. Remove contaminated clothing. Wash skin thoroughly with soap and water. Get medical attention promptly if symptoms occur after washing.
<b>Eye contact</b>	Remove affected person from source of contamination. Remove any contact lenses and open eyelids wide apart. Continue to rinse for at least 15 minutes. Get medical attention immediately. Continue to rinse.

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

<b>General information</b>	The severity of the symptoms described will vary dependent on the concentration and the length of exposure. Chemical burns must be treated by a physician.
<b>Inhalation</b>	Inhalation may cause respiratory tract irritation. Coughing and dyspnoea may occur but will be mild and transient unless a concentrated solution is involved. Irritation may be severe, leading to pulmonary oedema 24 to 72 hours after exposure.
<b>Ingestion</b>	Ingestion may cause nausea, vomiting and haematemesis. Concentrated solutions may cause blistering of the mucosae and oropharyngeal burns. Foaming at the mouth may occur with a risk of obstruction to the respiratory tract and pulmonary aspiration. Impaired consciousness, apnoea, stridor, cyanosis, convulsions and cardiac arrest may occur rapidly when concentrated solutions have been ingested. Release of oxygen gas may cause belching and painful gastric distension.
<b>Skin contact</b>	Skin contact may cause a whitening of the skin, inflammation, blistering and skin burns. Symptoms are expected to be mild when dilute solutions are involved. Exposure may be greater when used for wound irrigation.
<b>Eye contact</b>	Eye contact with weak solutions may cause burning, redness and blurred vision. Stronger solutions (10% or more) may cause corneal ulceration or perforation.

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

<b>Notes for the doctor</b>	No specific recommendations.
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### SECTION 5: Firefighting measures

## ACCEPTA 8101/HUWA-SAN

### 5.1. Extinguishing media

**Suitable extinguishing media** Extinguish with the following media: Extinguish with alcohol-resistant foam, carbon dioxide, dry powder or water fog.

### 5.2. Special hazards arising from the substance or mixture

**Specific hazards** Oxidising. Oxygen released on exothermic decomposition may support combustion in case of surrounding fire.

**Hazardous combustion products** Does not decompose when used and stored as recommended.

### 5.3. Advice for firefighters

**Protective actions during firefighting** No specific firefighting precautions known.

**Special protective equipment for firefighters** Wear positive-pressure self-contained breathing apparatus (SCBA) and appropriate protective clothing.

## SECTION 6: Accidental release measures

### 6.1. Personal precautions, protective equipment and emergency procedures

**Personal precautions** Wear protective clothing as described in Section 8 of this safety data sheet.

### 6.2. Environmental precautions

**Environmental precautions** Use appropriate containment to avoid environmental contamination. Avoid or minimise the creation of any environmental contamination. Spillages or uncontrolled discharges into watercourses must be reported immediately to the Environmental Agency or other appropriate regulatory body. Observe all national regulations

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

**Methods for cleaning up** Eliminate all ignition sources if safe to do so. No smoking, sparks, flames or other sources of ignition near spillage. Do not touch or walk into spilled material. Stop leak if possible without risk. Absorb spillage with sand or other inert absorbent. Flush contaminated area with plenty of water. Do not use organic solvents. Label the containers containing waste and contaminated materials and remove from the area as soon as possible. When handling waste, the safety precautions applying to handling of the product should be considered. Residues and empty containers should be taken care of as hazardous waste according to local and national provisions.

### 6.4. Reference to other sections

**Reference to other sections** Wear protective clothing as described in Section 8 of this safety data sheet.

## SECTION 7: Handling and storage

### 7.1. Precautions for safe handling

**Usage precautions** Avoid spilling. Avoid contact with skin and eyes. Avoid inhalation of vapours and spray/mists. Good personal hygiene procedures should be implemented.

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

**Storage precautions** Store in tightly-closed, original container in a dry, cool and well-ventilated place. Store in a receptacle equipped with a vent. Keep only in the original container. Use appropriate containment to avoid environmental contamination. Store locked up. Keep locked up and out of the reach of children.

**Storage class** Corrosive storage.

### 7.3. Specific end use(s)

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**Specific end use(s)** The identified uses for this product are detailed in Section 1.2.

**Usage description** Use as directed by supplier

### SECTION 8: Exposure controls/Personal protection

#### 8.1. Control parameters

##### Occupational exposure limits

##### HYDROGEN PEROXIDE SOLUTION ... %

Long-term exposure limit (8-hour TWA): WEL 1 ppm 1.4 mg/m<sup>3</sup>

Short-term exposure limit (15-minute): WEL 2 ppm 2.8 mg/m<sup>3</sup>

WEL = Workplace Exposure Limit

**Ingredient comments** WEL = Workplace Exposure Limits

#### 8.2. Exposure controls

##### Protective equipment



##### Appropriate engineering controls

Provide adequate ventilation. Avoid inhalation of vapours. Observe any occupational exposure limits for the product or ingredients.

##### Eye/face protection

Wear eye protection. Wear face protection. The following protection should be worn: Wear tight-fitting, chemical splash goggles or face shield. Personal protective equipment for eye and face protection should comply with European Standard EN166.

##### Hand protection

Wear protective gloves. The most suitable glove should be chosen in consultation with the glove supplier/manufacture, who can provide information about the breakthrough time of the glove material. To protect hands from chemicals, gloves should comply with European Standard EN374. Considering the data specified by the glove manufacturer, check during use that the gloves are retaining their protective properties and change them as soon as any deterioration is detected. It is recommended that gloves are made of the following material: Butyl rubber. Nitrile rubber. Polyethylene.

##### Other skin and body protection

Wear appropriate clothing to prevent any possibility of skin contact.

##### Hygiene measures

Provide eyewash station and safety shower. Do not smoke in work area. Wash at the end of each work shift and before eating, smoking and using the toilet. Wash promptly if skin becomes contaminated. Promptly remove any clothing that becomes contaminated.

##### Respiratory protection

No specific recommendations. Respiratory protection may be required if excessive airborne contamination occurs.

### SECTION 9: Physical and chemical properties

#### 9.1. Information on basic physical and chemical properties

<b>Appearance</b>	Liquid.
<b>Colour</b>	Colourless.
<b>Odour</b>	Odourless.
<b>pH</b>	pH (concentrated solution): 2-4
<b>Initial boiling point and range</b>	109°C @
<b>Relative density</b>	1.20 Approx @ °C

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**Solubility(ies)** Soluble in water.

**Partition coefficient** log Pow: -1.57

### 9.2. Other information

**Other information** Not available.

## SECTION 10: Stability and reactivity

### 10.1. Reactivity

**Reactivity** The following materials may react violently with the product: Strong reducing agents.

### 10.2. Chemical stability

**Stability** Decomposes slowly over time, accelerated by exposure to heat and light. Mixtures with combustible materials (e.g. solvents) can have potentially explosive properties (above a certain concentration).

### 10.3. Possibility of hazardous reactions

**Possibility of hazardous reactions** The following materials may react with the product: Organic compounds. Flammable/combustible materials. Reducing agents. May cause or intensify fire; oxidiser.

### 10.4. Conditions to avoid

**Conditions to avoid** Avoid exposure to high temperatures or direct sunlight.

### 10.5. Incompatible materials

**Materials to avoid** Strong acids. Flammable/combustible materials. Strong alkalis. Metals Organic materials Strong reducing agents.

### 10.6. Hazardous decomposition products

**Hazardous decomposition products** Thermal decomposition or combustion products may include the following substances: Oxygen.

## SECTION 11: Toxicological information

### 11.1. Information on toxicological effects

#### Acute toxicity - oral

**ATE oral (mg/kg)** 1,386.0

#### Acute toxicity - inhalation

**ATE inhalation (gases ppm)** 9,000.0

**ATE inhalation (vapours mg/l)** 22.0

**ATE inhalation (dusts/mists mg/l)** 3.0

**Inhalation** May cause damage to mucous membranes in nose, throat, lungs and bronchial system.

**Ingestion** May cause burns in mucous membranes, throat, oesophagus and stomach. Gastrointestinal symptoms, including upset stomach.

**Skin contact** May cause serious chemical burns to the skin.

**Eye contact** Causes burns.

### Toxicological information on ingredients.

### HYDROGEN PEROXIDE SOLUTION ... %

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### Acute toxicity - oral

**Acute toxicity oral (LD<sub>50</sub>  
mg/kg)** 693.0

**Species** Rat

**ATE oral (mg/kg)** 693.0

### Carcinogenicity

**IARC carcinogenicity** IARC Group 3 Not classifiable as to its carcinogenicity to humans.

## SECTION 12: Ecological information

**Ecotoxicity** The product contains a substance which is very toxic to aquatic organisms and which may cause long-term adverse effects in the aquatic environment.

### 12.1. Toxicity

**Toxicity** Toxic to aquatic organisms

### Ecological information on ingredients.

#### HYDROGEN PEROXIDE SOLUTION ... %

### Acute aquatic toxicity

**Acute toxicity - fish** LC50, 48 hours: ~ 70 mg/l, Leuciscus idus (Golden orfe)

### 12.2. Persistence and degradability

**Persistence and degradability** Not persistent Expected to degrade in the environment

### 12.3. Bioaccumulative potential

**Partition coefficient** log Pow: -1.57

### 12.4. Mobility in soil

**Mobility** The product is soluble in water.

### General notes:

### 12.5. Results of PBT and vPvB assessment

**Results of PBT and vPvB  
assessment** This product does not contain any substances classified as PBT or vPvB.

### 12.6. Other adverse effects

**Other adverse effects** None known.

## SECTION 13: Disposal considerations

### 13.1. Waste treatment methods

**General information** Dispose of in compliance with local and national regulations.

**Disposal methods** Dispose of waste to licensed waste disposal site in accordance with the requirements of the local Waste Disposal Authority. Dispose of waste via a licensed waste disposal contractor.

## SECTION 14: Transport information

### 14.1. UN number

**UN No. (ADR/RID)** 3098

**UN No. (IMDG)** 3098

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UN No. (ICAO) 3098

UN No. (ADN) 3098

### 14.2. UN proper shipping name

**Proper shipping name (ADR/RID)** OXIDIZING LIQUID, CORROSIVE, N.O.S. (Contains hydrogen peroxide)

**Proper shipping name (IMDG)** OXIDIZING LIQUID, CORROSIVE, N.O.S. (Contains hydrogen peroxide)

**Proper shipping name (ICAO)** OXIDIZING LIQUID, CORROSIVE, N.O.S. (Contains hydrogen peroxide)

**Proper shipping name (ADN)** OXIDIZING LIQUID, CORROSIVE, N.O.S. (Contains hydrogen peroxide)

### 14.3. Transport hazard class(es)

**ADR/RID class** 5.1

**ADR/RID subsidiary risk** 8

**ADR/RID classification code** OC1

**ADR/RID label** 5.1

**IMDG class** 5.1

**IMDG subsidiary risk** 8

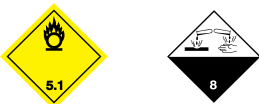
**ICAO class/division** 5.1

**ICAO subsidiary risk** 8

**ADN class** 5.1

**ADN subsidiary risk** 8

#### Transport labels



### 14.4. Packing group

**ADR/RID packing group** II

**IMDG packing group** II

**ICAO packing group** II

**ADN packing group** II

### 14.5. Environmental hazards

**Environmentally hazardous substance/marine pollutant**

No.

### 14.6. Special precautions for user

**EmS** F-A, S-Q

**ADR transport category** 2

**Tunnel restriction code** (E)

### 14.7. Transport in bulk according to Annex II of MARPOL and the IBC Code



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Transport in bulk according to Annex II of MARPOL 73/78 and the IBC Code Not relevant.

### SECTION 15: Regulatory information

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

<b>EU legislation</b>	Regulation (EC) No 1272/2008 of the European Parliament and of the Council of 16 December 2008 on classification, labelling and packaging of substances and mixtures (as amended). Regulation (EC) No 1907/2006 of the European Parliament and of the Council of 18 December 2006 concerning the Registration, Evaluation, Authorisation and Restriction of Chemicals (REACH) (as amended).
<b>Guidance</b>	Workplace Exposure Limits EH40. For hydrogen peroxide guidance see <a href="https://www.gov.uk/government/uploads/system/uploads/attachment_data/file/317493/PHE_Compensum_of_Chemical_Hazards_Hydrogen_Peroxide_v1.pdf">https://www.gov.uk/government/uploads/system/uploads/attachment_data/file/317493/PHE_Compensum_of_Chemical_Hazards_Hydrogen_Peroxide_v1.pdf</a>

#### 15.2. Chemical safety assessment

No chemical safety assessment has been carried out.

### SECTION 16: Other information

<b>General information</b>	Only trained personnel should use this material. Further details may be available from the supplier.
<b>Key literature references and sources for data</b>	REACH registered substances database Other safety data sheets relevant to individual chemical constituents within this product. <a href="https://www.gov.uk/government/uploads/system/uploads/attachment_data/file/317493/PHE_Compensum_of_Chemical_Hazards_Hydrogen_Peroxide_v1.pdf">https://www.gov.uk/government/uploads/system/uploads/attachment_data/file/317493/PHE_Compensum_of_Chemical_Hazards_Hydrogen_Peroxide_v1.pdf</a>
<b>Revision comments</b>	Supplier contact details changed. No significant changes. SDS has been reviewed, re-issued and re-dated. Product name change.
<b>Revision date</b>	22/03/2019
<b>Revision</b>	4
<b>Supersedes date</b>	19/03/2019
<b>SDS number</b>	20405
<b>SDS status</b>	Approved.
<b>Risk phrases in full</b>	R20/22 Harmful by inhalation and if swallowed. R34 Causes burns. R35 Causes severe burns. R37 Irritating to respiratory system. R5 Heating may cause an explosion. R8 Contact with combustible material may cause fire.

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### Hazard statements in full

H271 May cause fire or explosion; strong oxidiser.  
H272 May intensify fire; oxidiser.  
H302 Harmful if swallowed.  
H314 Causes severe skin burns and eye damage.  
H318 Causes serious eye damage.  
H332 Harmful if inhaled.  
H335 May cause respiratory irritation.  
H400 Very toxic to aquatic life.  
H410 Very toxic to aquatic life with long lasting effects.  
H412 Harmful to aquatic life with long lasting effects.

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 process. Such information is, to the best of the company's knowledge and belief, accurate and reliable as of the date indicated. However, no warranty, guarantee or representation is made to its accuracy, reliability or completeness. It is the user's responsibility to satisfy himself as to the suitability of such information for his own particular use.