

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

#### 1.1. Product identifier

Product form : Mixture  
 Product name : Huwa-San TR-3  
 Synonyms : Stabilised hydrogen peroxide  
 Product group : Trade product

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

##### 1.2.1. Relevant identified uses

Function or use category : Disinfectant.

##### 1.2.2. Uses advised against

No additional information available

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

ROAM TECHNOLOGY nv  
 I.Z. Poort Genk 6835, Geleenlaan 24  
 3600 Genk / Belgien  
 T 0032 11 89 44 00 42  
[info@roamtechnology.com](mailto:info@roamtechnology.com) - [www.huwasan.com](http://www.huwasan.com)

#### 1.4. Emergency telephone number

No additional information available

### SECTION 2: Hazards identification

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

##### Classification according to Regulation (EC) No. 1272/2008 [CLP]

Not classified

##### Adverse physicochemical, human health and environmental effects

No additional information available

#### 2.2. Label elements

According to EC directives or the corresponding national regulations there is no labelling obligation for this product.

#### 2.3. Other hazards

No additional information available

### SECTION 3: Composition/information on ingredients

#### 3.1. Substance

Not applicable

#### 3.2. Mixture

Name	Product identifier	%	Classification according to Regulation (EC) No. 1272/2008 [CLP]
hydrogen peroxide solution ... %	(CAS No) 7722-84-1 (EC no) 231-765-0 (EC index no) 008-003-00-9 (REACH-no) 01-2119485845-22	2.861 – 3.0	None
Name	Product identifier	Specific concentration limits	
hydrogen peroxide solution ... %	(CAS No) 7722-84-1 (EC no) 231-765-0 (EC index no) 008-003-00-9 (REACH-no) 01-2119485845-22	(5 =< C < 8) Eye Irrit. 2, H319 (8 =< C) Eye Dam. 1, H318 (22 =< C) Ac. Tox 4 (Oral), H302 (30 =< C) Ac. Tox 4 (Inhalation), H332 (35 =< C) STOT SE 3, H335 (35 =< C < 50) Skin Irrit. 2, H315 (50 =< C < 70) Skin Corr. 1B, H314 (70 =< C) Skin Corr. 1A, H314 (50 =< C < 70) Ox. Liq. 2, H272 (70 =< C) Ox. Liq. 1, H271 (63 =< C) Chr. Aq. Toc. 3, H712	

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according to Regulation (EC) No. 453/2010

Full text of H- and EUH-phrases: see section 16

### SECTION 4: First aid measures

#### 4.1. Description of first aid measures

- First-aid measures after eye contact : Rinse immediately with plenty of water for 15 minutes. Take victim to an ophthalmologist if irritation persists.
- First-aid measures after ingestion : Rinse mouth with water. Do not induce vomiting. Consult a physician if you feel unwell.

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

- Symptoms/injuries after eye contact : Irritation of the eye tissue.

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

No additional information available

### SECTION 5: Firefighting measures

#### 5.1. Extinguishing media

- Suitable extinguishing media : All extinguishing media allowed.

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

No additional information available

#### 5.3. Advice for firefighters

No additional information available

### SECTION 6: Accidental release measures

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

##### 6.1.1. For non-emergency personnel

- Protective equipment : Reference to other sections (8.2/13).

##### 6.1.2. For emergency responders

- Protective equipment : Reference to other sections (8.2/13).

#### 6.2. Environmental precautions

Dilute with water before the product will be released into drains.

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

- Methods for cleaning up : Clean contaminated surfaces with an excess of water.

#### 6.4. Reference to other sections

Reference to other sections (8, 13).

### SECTION 7: Handling and storage

#### 7.1. Precautions for safe handling

- Precautions for safe handling : Comply with the legal requirements. Do not discharge the waste directly into the drain. Keep container tightly closed.

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

- Storage conditions : Keep cool. Store in original container. Keep away from heat and sources of ignition.
- Incompatible products : Organic materials, reducing agents, combustible materials, rust, dirt, metal oxides, metal ions, metal salts, bases.
- Incompatible materials : Chromium (Cr), Copper (Cu), Iron (Fe), Manganese (Mn), Nickel (Ni), Zinc (Zn).
- Storage temperature : 10 - 30 °C
- Heat and ignition sources : Keep away from heat and sources of ignition..
- Prohibitions on mixed storage : combustible materials. reducing agents. (strong) acids. (strong) bases. highly flammable materials. metals. organic materials. alcohols.
- Storage area : Store in a cool area. Keep out of direct sunlight. Keep only in the original container. Meet the legal requirements.
- Special rules on packaging : closing. nonhermetical. with pressure relief valve. clean. opaque. correctly labelled. meet the legal requirements. Secure fragile packagings in solid containers.
- Packaging materials : SUITABLE MATERIAL: polyethylene. glass.  
MATERIAL TO AVOID: monel steel. iron. copper. zinc. lead. nickel.

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

No additional information available

### SECTION 8: Exposure controls/personal protection

#### 8.1. Control parameters

No additional information available

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### 8.2. Exposure controls

Personal protective equipment :



Hand protection : Gloves. Wear protective gloves from butyl-rubber, natural rubber, nitrile rubber. Do not wear cotton or leather gloves

Eye protection : Safety glasses

Skin and body protection : Protective clothing

## SECTION 9: Physical and chemical properties

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

Physical state : Liquid

Appearance : Liquid.

Colour : Colourless.

Odour : Odourless.

Odour threshold : No data available

pH : 3 - 4

Relative evaporation rate (butylacetate=1) : No data available

Melting point : - 2 °C

Freezing point : No data available

Boiling point : 101 °C

Flash point : No data available

Auto-ignition temperature : No data available

Decomposition temperature : No data available

Flammability (solid, gas) : No data available

Vapour pressure : No data available

Relative vapour density at 20 °C : No data available

Relative density : No data available

Density : 1,009 - 1,012 g/cm<sup>3</sup>

Solubility : No data available

Log Pow : No data available

Viscosity, kinematic : No data available

Viscosity, dynamic : 1,77 mPa.s (0°C)

Explosive properties : No data available

Oxidising properties : No data available

Explosive limits : No data available

### 9.2. Other information

No additional information available

## SECTION 10: Stability and reactivity

### 10.1. Reactivity

Decomposes slowly on exposure to light: oxidation resulting in increased fire or explosion risk with pressure rise and possible bursting of container. This reaction is accelerated on exposure to impurities and on exposure to temperature rise. Reacts violently with combustible materials leading to decomposition. Decomposes to water and oxygen. Contact with combustible material may cause fire.

### 10.2. Chemical stability

Unstable on exposure to heat. Unstable on exposure to light.

### 10.3. Possibility of hazardous reactions

Refer to section 10.1 on Reactivity. Risks of decomposition by heat sources or in contact with incompatible products.

### 10.4. Conditions to avoid

Direct sunlight. Extremely high or low temperatures. Keep the substance free from contamination. Refer to Section 10 on Incompatible Materials.

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### 10.5. Incompatible materials

Combustible materials, reducing agents, organic materials, bases, metal oxides, metal ions (e.g. Mn, Fe, Ce, Ni, Cr, Zn), metals salts, rust, dirt.

### 10.6. Hazardous decomposition products

Oxygen

## SECTION 11: Toxicological information

### 11.1. Information on toxicological effects

Acute toxicity	: Not classified
Irritation and Corrosion	: Not classified
Respiratory or skin sensitisation	: Not classified
Germ cell mutagenicity	: Not classified
Carcinogenicity	: Not classified
Reproductive toxicity	: Not classified
Specific target organ toxicity (single exposure)	: Not classified
Specific target organ toxicity (repeated exposure)	: Not classified
Aspiration hazard	: Not classified

## SECTION 12: Ecological information

### 12.1. Toxicity

No additional information available

### 12.2. Persistence and degradability

No additional information available

### 12.3. Bioaccumulative potential

No additional information available

### 12.4. Mobility in soil

No additional information available

### 12.5. Results of PBT and vPvB assessment

No additional information available

### 12.6. Other adverse effects

No additional information available

## SECTION 13: Disposal considerations

### 13.1. Waste treatment methods

Sewage disposal recommendations : Dispose in a safe manner in accordance with local/national regulations. The diluted aqueous solution can be released into drain if it is in accordance with local regulations; the undiluted waste must not be released into drain. Can be incinerated, when in compliance with local regulations. Rinse package before disposal. Empty containers that will be returned to the manufacturer must not be rinsed with water. Empty containers/packages must not be used for other purposes.

## SECTION 14: Transport information

In accordance with ADR / RID / IMDG / IATA / ADN

### 14.1. UN number

Not regulated for transport

### 14.2. UN proper shipping name

Proper Shipping Name (ADR)	: Not applicable
Proper Shipping Name (IMDG)	: Not applicable
Proper Shipping Name (IATA)	: Not applicable
Proper Shipping Name (ADN)	: Not applicable
Proper Shipping Name (RID)	: Not applicable

### 14.3. Transport hazard class(es)

#### ADR

Transport hazard class(es) (ADR) : Not applicable

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### IMDG

Transport hazard class(es) (IMDG) : Not applicable

### IATA

Transport hazard class(es) (IATA) : Not applicable

### ADN

Transport hazard class(es) (ADN) : Not applicable

### RID

Transport hazard class(es) (RID) : Not applicable

### 14.4. Packing group

Packing group (ADR) : Not applicable

Packing group (IMDG) : Not applicable

Packing group (IATA) : Not applicable

Packing group (ADN) : Not applicable

Packing group (RID) : Not applicable

### 14.5. Environmental hazards

Dangerous for the environment : No

Marine pollutant : No

Other information : No supplementary information available

### 14.6. Special precautions for user

#### 14.6.1. Overland transport

#### 14.6.2. Transport by sea

#### 14.6.3. Air transport

#### 14.6.4. Inland waterway transport

Not subject to ADN : No

#### 14.6.5. Rail transport

Carriage prohibited (RID) : No

### 14.7. Transport in bulk according to Annex II of MARPOL 73/78 and the IBC Code

Not applicable

## SECTION 15: Regulatory information

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

#### 15.1.1. EU-Regulations

Contains no substances with Annex XVII restrictions

Huwa-San TR-3 is not on the REACH Candidate List

Contains no substance on the REACH candidate list

Contains no REACH Annex XIV substances

#### 15.1.2. National regulations

No additional information available

### 15.2. Chemical safety assessment

No additional information available

## SECTION 16: Other information

Data sources : The information in this safety data sheet is based on data and samples provided to BIG. The sheet was written to the best of our ability and according to the state of knowledge at that time. The safety data sheet only constitutes a guideline for the safe handling, use, consumption, storage, transport and disposal of the substances/preparations/mixtures mentioned under point 1. New safety data sheets are written from time to time. Only the most recent versions may be used. Old versions must be destroyed, unless indicated otherwise word for word on the safety data sheet, the information does not apply to substances/preparations/mixtures in purer form, mixed with other substances or in processes. The safety data sheets offers no quality specification for the substances/preparations/mixtures in questions.

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SDS EU (REACH Annex II)

*This information is based on our current knowledge and is intended to describe the product for the purposes of health, safety and environmental requirements only. It should not therefore be construed as guaranteeing any specific property of the product*