

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 - www.roamtechnology.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

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SECTION 8: Exposure controls/personal protection

8.1. Control parameters

Huwa-San TR-50		
United Kingdom	Limit value (mg/m ³)	TWA: 1,4 mg/m ³ (8 hr) STEL: 2,8 mg/m ³ (15 min)
United Kingdom	Limit value (ppm)	TWA: 1 ppm (8 hr) STEL: 2 ppm (15 min)
Ireland	Limit value (mg/m ³)	TWA: 1,5 mg/m ³ (8 hr) STEL: 3 mg/m ³ (15 min)
Ireland	Limit value (ppm)	TWA: 1 ppm (8 hr) STEL: 2 ppm (15 min)

List source(s): UK - EH40/2005 Containing the workplace exposure limits (WELs) for use with the Control of Substances Hazardous to Health Regulations (COSHH) 2002 (as amended). Updated by September 2006 official press release and October 2007 Supplement. IRE - 2010 Code of Practice for the Safety, Health and Welfare at Work (Chemical Agents) Regulations 2001. Published by the Health and Safety Authority.

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 ³
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

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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.

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

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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
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IATA

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

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

Transport hazard class(es) (RID)	: Not applicable
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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
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14.6.5. Rail transport

Carriage prohibited (RID)	: No
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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

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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 sheet offers no quality specification for the substances/preparations/mixtures in questions.

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