

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

#### 1.1. Product identifier

Product form : Mixture  
Product name : Huwa-San Dent 6  
Formula : H<sub>2</sub>O<sub>2</sub>  
Synonyms : Stabilised hydrogen peroxide

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

##### 1.2.1. Relevant identified uses

Function or use category : Disinfection of dental waterlines

##### 1.2.2. Uses advised against

No additional information available

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

ROAM TECHNOLOGY nv  
Blindestraat 7  
3740 Bilzen  
T 0032 89 44 00 42  
info@roamtechnology.com - 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]

Eye Irrit. 2 H319

Full text of H-phrases: see section 16

##### Classification according to Directive 67/548/EEC [DSD] or 1999/45/EC [DPD]

Xi; R36

Full text of R-phrases: see section 16

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

No additional information available

#### 2.2. Label elements

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

Hazard pictograms (CLP) :



GHS07

Signal word (CLP) :

Warning

Hazard statements (CLP) :

H319 - Causes serious eye irritation

Precautionary statements (CLP) :

P264 - Wash hands thoroughly after handling  
P280 - Wear eye protection, face protection, protective clothing, protective gloves  
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

EUH phrases

: EUH210 - Safety data sheet available on request

#### 2.3. Other hazards

No additional information available

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according to Regulation (EC) No. 453/2010

### SECTION 3: Composition/information on ingredients

#### 3.1. Substance

Not applicable

#### 3.2. Mixture

| Name                             | Product identifier   | %  | Classification according to Directive 67/548/EEC   |
|----------------------------------|--|--|--|
| hydrogen peroxide solution ... % | (CAS No) 7722-84-1<br>(EC no) 231-765-0<br>(EC index no) 008-003-00-9<br>(REACH-no) 01-2119485845-22 | 5.5 - 6  | R5<br>O; R8<br>C; R35<br>Xn; R20/22  |
| Name                             | Product identifier   | Specific concentration limits  |  |
| hydrogen peroxide solution ... % | (CAS No) 7722-84-1<br>(EC no) 231-765-0<br>(EC index no) 008-003-00-9<br>(REACH-no) 01-2119485845-22 | (5 =< C < 8) Xi; R36<br>(8 =< C < 50) Xi; R41<br>(C >= 8) Xn; R22<br>(35 =< C < 50) Xi; R37/38<br>(C >= 50) O; R8<br>(50 =< C < 70) C; R34<br>(C >= 50) Xn; R20<br>(C >= 70) R5<br>(C >= 70) C; R35  |  |
| Name                             | Product identifier   | %  | Classification according to Regulation (EC) No. 1272/2008 [CLP]  |
| hydrogen peroxide solution ... % | (CAS No) 7722-84-1<br>(EC no) 231-765-0<br>(EC index no) 008-003-00-9<br>(REACH-no) 01-2119485845-22 | 5.5 - 6  | Ox. Liq. 1, H271<br>Acute Tox. 4 (Oral), H302<br>Acute Tox. 4 (Inhalation:dust,mist), H332<br>Skin Corr. 1A, H314<br>STOT SE 3, H335 |
| Name                             | Product identifier   | Specific concentration limits  |  |
| hydrogen peroxide solution ... % | (CAS No) 7722-84-1<br>(EC no) 231-765-0<br>(EC index no) 008-003-00-9<br>(REACH-no) 01-2119485845-22 | (5 =< C < 8) Eye Irrit. 2, H319<br>(8 =< C < 50) Eye Dam. 1, H318<br>(C >= 35) STOT SE 3, H335<br>(35 =< C < 50) Skin Irrit. 2, H315<br>(50 =< C < 70) Skin Corr. 1B, H314<br>(50 =< C < 70) Ox. Liq. 2, H272<br>(C >= 70) Skin Corr. 1A, H314<br>(C >= 70) Ox. Liq. 1, H271 |  |

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

### SECTION 4: First aid measures

#### 4.1. Description of first aid measures

|                                       |   |
|---------------------------------------|---|
| First-aid measures general            | : Check the vital functions. Unconscious: maintain adequate airway and respiration. Respiratory arrest: artificial respiration or oxygen. Cardiac arrest: perform resuscitation. Victim conscious with laboured breathing: half-seated. Victim in shock: on his back with legs slightly raised. Vomiting: prevent asphyxia/aspiration pneumonia. Prevent cooling by covering the victim (no warming up). Keep watching the victim. Give psychological aid. Keep the victim calm, avoid physical strain. Depending on the victim's condition: doctor/hospital. |
| First-aid measures after inhalation   | : Remove the victim into fresh air. Respiratory problems: consult a doctor/medical service.   |
| First-aid measures after skin contact | : Rinse with water. Do not apply (chemical) neutralizing agents. Remove clothing before washing. Take victim to a doctor if irritation persists.  |
| First-aid measures after eye contact  | : Rinse with water. Do not apply neutralizing agents. Take victim to an ophthalmologist if irritation persists.   |
| First-aid measures after ingestion    | : Rinse mouth with water. Call Poison Information Centre ( <a href="http://www.big.be/antigif.htm">www.big.be/antigif.htm</a> ). Consult a doctor/medical service if you feel unwell. Ingestion of large quantities: immediately to hospital.   |

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

|                                      |                                 |
|--------------------------------------|---------------------------------|
| Symptoms/injuries after skin contact | : Slight irritation.            |
| 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 | : Adapt extinguishing media to the environment. |
|------------------------------|---|

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

|             |  |
|-------------|--|
| Fire hazard | : DIRECT FIRE HAZARD. Non combustible. |
|-------------|--|

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### 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 : Gloves. Safety glasses. Protective clothing. See "Material-Handling" to select protective clothing.

#### 6.1.2. For emergency responders

No additional information available

### 6.2. Environmental precautions

No additional information available

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

Methods for cleaning up : Take up liquid spill into inert absorbent material. Scoop absorbed substance into closing containers. See "Material-handling" for suitable container materials. Clean contaminated surfaces with an excess of water. Wash clothing and equipment after handling.

### 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. Clean contaminated clothing. Thoroughly clean/dry the installation before use. Keep away from naked flames/heat. Observe strict hygiene. Keep container tightly closed. Measure the concentration in the air regularly. Carry operations in the open/under local exhaust/ventilation or with respiratory protection.

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

Storage area : Store in a cool area. Store in a dark area. Protect against frost. Meet the legal requirements.  
Special rules on packaging : SPECIAL REQUIREMENTS: closing. Clean. opaque. correctly labelled. meet the legal requirements. Secure fragile packagings in solid containers.  
Packaging materials : SUITABLE MATERIAL: stainless steel. aluminium. synthetic material. glass.

### 7.3. Specific end use(s)

Refer to manufacturer/supplier for information on identified use(s).

## SECTION 8: Exposure controls/personal protection

### 8.1. Control parameters

No additional information available

### 8.2. Exposure controls

Materials for protective clothing : GIVE EXCELLENT RESISTANCE: Butyl rubber. Natural rubber. Nitrile rubber. Polyethylene. Viton. GIVE GOOD RESISTANCE: polyethylene/ethylenevinylalcohol. PVC. GIVE LESS RESISTANCE: neoprene. GIVE POOR RESISTANCE: PVA  
Hand protection : Gloves  
Eye protection : Safety glasses  
Skin and body protection : Protective clothing  
Environmental exposure controls : Reference to other sections (6.2, 6.3, 13).

## SECTION 9: Physical and chemical properties

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

Physical state : Liquid  
Appearance : Liquid.  
Molecular mass : 34,01 g/mol  
Colour : Colourless.  
Odour : Odourless.  
Odour threshold : No data available  
pH : 3 - 4  
Relative evaporation rate (butylacetate=1) : No data available  
Melting point : No data available  
Freezing point : No data available

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|                                  |                                   |
|----------------------------------|-----------------------------------|
| Boiling point                    | : 103 °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                          | : 1,021 - 1,023 g/cm <sup>3</sup> |
| Solubility                       | : Water: Complete                 |
| Log Pow                          | : -1,36                           |
| Viscosity, kinematic             | : No data available               |
| Viscosity, dynamic               | : No data available               |
| Explosive properties             | : No data available               |
| Oxidising properties             | : No data available               |
| Explosive limits                 | : No data available               |

### 9.2. Other information

Other properties : Clear. Physical properties depending on the concentration.

## SECTION 10: Stability and reactivity

### 10.1. Reactivity

Decomposes slowly on exposure to light: oxidation which increases fire hazard. This reaction is accelerated on exposure to temperature rise and on exposure to impurities.

### 10.2. Chemical stability

Unstable on exposure to light.

### 10.3. Possibility of hazardous reactions

No additional information available

### 10.4. Conditions to avoid

No additional information available

### 10.5. Incompatible materials

No additional information available

### 10.6. Hazardous decomposition products

No additional information available

## SECTION 11: Toxicological information

### 11.1. Information on toxicological effects

Acute toxicity : Not classified

| Huwa-San Dent 6    |                       |
|--------------------|-----------------------|
| LD50 dermal rabbit | > 2000 mg/kg (Rabbit) |

|  |   |
|--|---|
| Skin corrosion/irritation                          | : Not classified<br>pH: 3 - 4                 |
| Serious eye damage/irritation                      | : Causes serious eye irritation.<br>pH: 3 - 4 |
| 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

Ecology - general : Classification concerning the environment: not applicable.

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Ecology - air

: Not classified as dangerous for the ozone layer (Regulation (EC) No 1005/2009).

### 12.2. Persistence and degradability

No additional information available

### 12.3. Bioaccumulative potential

| Huwa-San Dent 6 |       |
|-----------------|-------|
| Log Pow         | -1,36 |

### 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

No additional information available

## 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

#### 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 |

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### 14.6. Special precautions for user

#### 14.6.1. Overland transport

Transport regulations (ADR) : Not subject

#### 14.6.2. Transport by sea

Transport regulations (IMDG) : Not subject

#### 14.6.3. Air transport

Transport regulations (IATA) : Not subject

#### 14.6.4. Inland waterway transport

Not subject to ADN : No

#### 14.6.5. Rail transport

Transport regulations (RID) : Not subject

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 dent 6 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

Full text of R-, H- and EUH-phrases:

|                                     |  |
|-------------------------------------|--|
| Acute Tox. 4 (Inhalation:dust,mist) | Acute toxicity (inhalation:dust,mist) Category 4   |
| Acute Tox. 4 (Oral)                 | Acute toxicity (oral), Category 4  |
| Eye Irrit. 2                        | Serious eye damage/eye irritation, Category 2  |
| Ox. Liq. 1                          | Oxidising Liquids, Category 1  |
| Skin Corr. 1A                       | Skin corrosion/irritation, Category 1A   |
| STOT SE 3                           | Specific target organ toxicity — Single exposure, Category 3, Respiratory tract irritation |
| H271                                | May cause fire or explosion; strong oxidiser   |
| H302                                | Harmful if swallowed   |
| H314                                | Causes severe skin burns and eye damage  |
| H319                                | Causes serious eye irritation  |
| H332                                | Harmful if inhaled   |
| H335                                | May cause respiratory irritation   |
| R20/22                              | Harmful by inhalation and if swallowed   |
| R35                                 | Causes severe burns  |
| R36                                 | Irritating to eyes   |
| R5                                  | Heating may cause an explosion   |
| R8                                  | Contact with combustible material may cause fire   |
| C                                   | Corrosive  |
| O                                   | Oxidising  |
| Xi                                  | Irritant   |
| Xn                                  | Harmful  |

SDS EU (REACH Annex II)

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*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*