

Public Health & Safety Department

Consumer Products Safety Section

Consumer Products Registration Certificate

Biocides

إدارة الصحة و السلامة

قسم سلامة المواد الاستهلاكية

شهادة تسجيل مواد استهلاكية

مضادات الجراثيم

Reference Number:	CPRE-2019-037512	رقم المرجع :
Registration Status:	Approved	حالة التسجيل :
Registration Date:	24/09/2019	تاريخ التسجيل :
Category:	B2B Products	صنف المنتج :
Brand Name:	HUWA-SANTR50	العلامة التجارية :
Company Name:	SWAIDAN TRADING CO (L.L.C)	اسم الشركة :
Country of Origin:	Belgium	البلد المنشأ :

Product Details	تفاصيل المنتج
Product Name	
HUWA-SANTR50	

Important Notes

ملاحظات هامة

- Registration Certificate is valid for 5 years from date of issue & any alteration or deletion in any way will invalid it.
 - Registration Certificate is granted upon company's request and the above listed product is freely distributed in the local market & Dubai Municipality will not be responsible for any consequences of variations in the product.
 - Registration Certificate is issued upon the currently enforced regulations and subjected for modification according to the requirements of concerned department.
 - All the imported & marketed products will be subjected to inspection and conformity with the currently enforced regulations
 - This certificate has been electronically generated and approved by Dubai Municipality and does not need signature or Stamp .
- شهادة التسجيل صالحة لمدة 5 سنوات من تاريخ إصدارها وأي تغيير أو شطب يلغيها
 - تم إصدار شهادة التسجيل بناء على طلب الشركة والمنتج المذكور أعلاه مسموح تداوله في الأسواق المحلية، ولا تتحمل البلدية أية مسؤولية في حال حدوث أية تغييرات في المنتج
 - تم إصدار شهادة التسجيل حسب الانظمة القائمة حالياً وتكون قابلة للتعديل حسب متطلبات الإدارة المختصة والأنظمة المعمول بها في حينه
 - كل المنتجات المستوردة أو المتداولة سوف تخضع للتفتيش و المطابقة وحسب الأنظمة المعمول بها في حينه
 - هذه الشهادة صادرة و معتمدة الكترونياً من بلدية دبي و ليست بحاجة إلى توقيع أو ختم

Consumer Products Safety Section

قسم سلامة المواد الاستهلاكية



Variants Information

HUWA-SANTR50

International Barcode:		Scent / Flavor:	Odourless
Product Color / Shade:	Colourless	Size / Weight / Volume:	25 Kg

رؤيتنا: بناء مدينة متميزة تتوفر فيها استدامة رفاة العيش و مقومات النجاح.

Our Vision: Creating an excellent city that provides the essence of success and comfort of sustainable living.

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HUWA-SAN TR50

Active substance : Hydrogen peroxide [CAS 7722-84-1] 49,0 – 49,9 (W/W)
Stabilizer : colloidal silver 0,026 – 0,033 %

Efficiency

bactericide, fungicide, virucide, including avian Influenza, amoebicide

Type of formation

Solution to be diluted in water.

Applications

Disinfectant for surfaces, floors, walls and material :

- In the (food – poultry – dairy – water) industry
- In the meat packing industry
- Privat use and public health sector.

Directions

First thoroughly clean the surfaces, floor walls and material that have to be disinfected and rinse with water. Dilute Huwa-San TR-50 with tap water. Disinfection of surfaces floor and walls: Sprinkle with the diluted solution. Let interact during appropriate time. Preferably sweep dry the disinfected surface and floors. Surfaces and walls that come in contact with foodstuffs has to be rinsed after the disinfection. Disinfection of material: Submerge the material in the diluted solution, let interact during the appropriate time, material that come in contact with foodstuffs has to be rinsed after disinfection.

Storage conditions

Storage rooms: Room temperature, clean, incombustible, lockable, jointless, smooth concrete floor. Do not storage together with alkalis, reducing agent, metallic salts, and combustible substances.

Dosage

For surfaces :

- Bactericide 4% during 60 min.
- Fungicide 5% during 60 min.
- Virucide 3% during 60 min.

Validity

3 years from production date which printed on the package when stored in a good storage condition.

Hazard statements

Eye damage 1, H318 - Causes serious eye damage. Acute toxicity (oral) 4 , H302 - Harmful if swallowed . Skin irritation 2, H315 - Cause skin irritation. Specific target organ toxicity single exposure 3a . H335 - May cause respiratory irritation . chronic aquatic toxicity . 3: H412 - (Harmful to aquatic life with long lasting effects) .

Precautionary statements

P280 - Wear protective gloves/protective clothing/eye protection/face protection . P303+P361+P353 , if on skin (or hair) : Remove / Take off immediately all contaminated clothing . rinse cautiously with water/ shower . P 305+P351+P388 , if in eyes : rinse Cautiously with water for several minutes . Remove contact lenses , if present and easy to do . Continue rising . P370+P380+P375 in case of fire : Evacuate area , fight fire remotely due the risk of explosion .

Safe disposal

Dispose in a safe manner in accordance with local/national regulations . The diluted aqueous solution can be released into drain if it is 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, package must not be used for other purposes .

First aid measures

Inhalation fresh air rest. Semi-upright sitting position . Call emergency services, hospital admittance is advised . Show label, Packaging or patient information leaflet .

Ingestion : Rinse mouth , call anti-poison centre and inquire if drinking active coal suspension is advised .

Skin : Rinse skin with plenty of water or shower for 10 minutes . Meanwhile remove contaminated clothing and shoes. Seek medical advice immediately . Show label, Packaging or patient information leaflet . If wearing contact lenses : it easy to remove do so before rinsing . immediately contact ophthalmologist. Show label, Packaging or patient information leaflet .

هوسان تي آر 50

بيانات وقائية

P280 ارتداء القفازات والملابس الواقية وواقي الوجه والعينين

P303 +P+361P353 إذا لاس الجلد أو الشعر يجب خلع الملابس الملوثة لحظيا ثم شطف الجلد والاستحمام

P370 +P+351+P338 إذا دخل إلى العين يتم غسل العين لمدة دقائق بالماء وإزالة العدسات اللاصقة إذا كانت موجودة وسهلة النزع

ويتم الاستمرار بالشطف

P370 +P+380+P375 في حال الحريق يتم اخلاء المنطقة واطفاء الحريق بحذر لاحتمال حدوث انفجار

التخلص الامن

يتم التخلص بطريقة آمنة بالاستناد الى اللوائح والقوانين المحلية /الوطنية

يمكن التخلص من المحلول المخفف عن طريق الصرف الصحي، بعد التخفيف بالماء اذا كان ذلك

وفقا للقوانين واللوائح المحلية /الوطنية بينما المحلول غير المخفف لا يمكن التخلص منه في مياه الصرف الصحي

تُشطف العبوات قبل التخلص منها

تدابير الاسعافات الاولى

الاستنشاق: استنشاق الهواء النقي، الراحة، الجلوس في وضع شبه مستقيم، الاتصال بخدمة الاسعاف ينصح بالذهاب الى المستشفى اذا لزم الامر

اظهار المصق، التعبئة والتغليف او نشر معلومات المريض

الابتلاع: شطف الفم جيدا، ينصح بالاتصال بمركز السموم القومي في حال الابتلاع والاتصال بخدمة الاسعاف ، ينصح بالذهاب الى المستشفى اذا لزم الامر *

اظهار المصق، التعبئة والتغليف او نشر معلومات المريض

الجلد: شطف الجلد بالكثير من الماء او الاستحمام لمدة 15 دقيقة وفي الوقت نفسه يتم خلع الملابس والاحذية الملوثة ، طلب المشورة الطبية فوراً

العين: شطف العين بالكثير من الماء الشطف بعيدا عن العين اذا لم تتأثر في حال وجود عدسات لاصقة يتم نزعها قبل عملية الشطف

يلزم الاتصال فوراً بطبيب العيون، اظهار المصق، التعبئة والتغليف او نشر معلومات المريض ،

المادة الفعالة: هيدروجين بيروكسيد

المثبت القضة الغروية

نوع الصيغة: محلول يتم تمديده في الماء

الفعالية: مبيد للبكتريا ، مبيد للحطاب مضاد للفيروسات، بما فيها انفلونزا الطيور ، مبيد للاميبا

التطبيقات: تطهير السطوح والارض والجدران والمواد

في المصانع الاغذية-الدواجن-الابيان-المياه في اللحوم مصانع التعبئة

في الاستخدامات الخاصة وقسم الصحة العامة

التعليمات: اولا يتم تنظيف الاسطح، والارض والجدران، والمواد المراد تعقيمها ويتم الشطف بالماء

يتم تخفيف الهوسان تي آر 50- بمياه الصنبور

تعقيم الاسطح والارض والجدران: عن طريق رش الاسطح والارضيات

والجدران بالمحلول المخفف ثم السماح للتفاعل ان يتم خلال الوقت المناسب

يفضل ان يتم المسح الجاف للأسطح والارضيات والجدران التي تم تعقيمها

الاسطح التي تكون على تماس مع الغذاء يفضل ان يتم شطفها بالمياه بعد عملية التعقيم

تعقيم المواد: يتم غمر المواد المراد تعقيمها في المحلول المخفف

ثم يتم السماح للتفاعل ان يتم خلال وقت مناسب

المواد التي تكون على تماس مع الغذاء يفضل الغسل بعد عملية التعقيم

شروط التخزين

غرف التخزين: يحفظ في غرف تخزين نظيفة، وبدرجة حرارة الغرفة

يجب ان تكون الغرف متعزلة، وقابلة للإغلاق، غير قابلة للاحتراق وذات أرضية خرسانية

ينصح بعدم التخزين مع القلويات، الاحماض، الاملاح المعدنية، المواد القابلة للاشتعال*

الجرعة

مضاد للبكتريا: 4% خلال 60 دقيقة

مضاد للفطريات: 5% خلال 60 دقيقة

مضاد للفيروسات: 3% خلال 60 دقيقة

الصلاحية: صالحة لغاية 3 سنوات من تاريخ الانتاج المدون على العبوة في شروط التخزين الجيدة

حالات خطورة*

1. H318، يسبب ضرر على العين حيث يؤدي الى تهيج في العين بصورة خطيرة .

4. H302، اذا تم ابتلاعه عن طريق الفم فانه يؤدي الى التسبب الحاد

2. H315، يسبب تهيج الجلد عند التعرض لمرة واحدة

3a. H315، يمكن ان يسبب ضيق في الجهاز التنفسي

3. H412، يسبب ضرر في الحياة المائية في الاستخدام طويل الامد

25 kg

Roam Technology

MADE IN BELGIUM

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3600 GENK - BELGIUM • TEL : +32(0) 89 44 00 42
INFO@ROAMTECHNOLOGY.COM • WWW.ROAMTECHNOLOGY.COM

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

1.1. Product identifier

Product form : Mixture
Trade name : Huwa-San TR-50
CAS No : 7722-84-1
Synonyms : Stabilized 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

Main use category : Industrial use
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 / Belgium
T +32 89 44 00 42
info@roamtechnology.com - www.roamtechnology.com

1.4. Emergency telephone number

Land	Organisatie/Bedrijf	Adres	Noodnummer
BELGIUM	Centre Anti-Poisons/Antigifcentrum c/o Hôpital Central de la Base - Reine Astrid	Rue Bruyn 1 B - 1120 Bruxelles/Brussel	+32 70 245 245

SECTION 2: Hazards identification

2.1. Classification of the substance or mixture

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

Acute Tox. 4 (Oral) H302
Skin Irrit. 2 H315
Eye Dam. 1 H318
STOT SE 3 H335
Aquatic Chronic 3 H412

Full text of H-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)



GHS05

GHS07

CLP Signal word : Danger
Hazardous ingredients : hydrogen peroxide solution ... %
Hazard statements (CLP) : H302 - Harmful if swallowed
H315 - Causes skin irritation
H318 - Causes serious eye damage
H335 - May cause respiratory irritation
H412 - Harmful to aquatic life with long lasting effects
Precautionary statements (CLP) : P261 - Avoid breathing dust/fume/gas/mist/vapours/spray

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according to Regulation (EC) No. 453/2010

P264 - Wash ... thoroughly after handling
P270 - Do not eat, drink or smoke when using this product
P271 - Use only outdoors or in a well-ventilated area
P280 - Wear protective gloves/protective clothing/eye protection/face protection
P301+P312 - IF SWALLOWED: Call a POISON CENTER/doctor/... if you feel unwell
P302+P352 - IF ON SKIN: Wash with plenty of water/...
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
P310 - Immediately call a POISON CENTER/doctor/...
P312 - Call a POISON CENTER/doctor/... if you feel unwell
P321 - Specific treatment (see ... on this label)
P330 - Rinse mouth
P332+P313 - If skin irritation occurs: Get medical advice/attention
P362+P364 - Take off contaminated clothing and wash it before reuse
P403+P233 - Store in a well-ventilated place. Keep container tightly closed
P405 - Store locked up
P501 - Dispose of contents/container to ...

2.3. Other hazards

Other hazards not contributing to the classification

: Danger of decomposition under influence of heat. Maintains combustion of flammable substances. Risk of decomposition in contact with non-tolerant materials (metal oxides, metal ions, metal salts, bases, reducing agents).

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	49 - 49,9	Ox. Liq. 1, H271 Acute Tox. 4 (Oral), H302 Acute Tox. 4 (Inhalation:dust,mist), H332 Skin Corr. 1A, H314 STOT SE 3, H335
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 < 50) Eye Dam. 1, H318 (35 =< C) STOT SE 3, H335 (35 =< C < 50) Skin Irrit. 2, H315 (50 =< C < 70) Skin Corr. 1B, H314 (50 =< C < 70) Ox. Liq. 2, H272 (70 =< C) Skin Corr. 1A, H314 (70 =< C) Ox. Liq. 1, H271	

Full text of H-phrases: see section 16

SECTION 4: First aid measures

4.1. Description of first aid measures

First-aid measures general : Respiratory arrest: artificial respiration or oxygen. Prevent cooling by covering the victim (no warming up). Depending on the victim's condition: doctor/hospital. Never give anything by mouth to an unconscious person.

First-aid measures after inhalation : Remove the victim into fresh air. Respiratory problems: consult a doctor/medical service. Respiratory arrest: artificial respiration or oxygen.

First-aid measures after skin contact : Wash immediately with lots of water. Take victim to a doctor if irritation persists. Wash contaminated clothing before reuse.

First-aid measures after eye contact : Rinse immediately with plenty of water for 15 minutes. Do not apply neutralizing agents. Take victim to an ophthalmologist. Remove contact lenses, if present and easy to do. Continue rinsing.

First-aid measures after ingestion : Rinse mouth with water. If swallowed, seek medical advice immediately and show this container or label. Give nothing or a little water to drink. Do NOT induce vomiting.

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

Symptoms/injuries after inhalation : Headache. Cough. Nausea. Slight irritation. Vomiting. May cause respiratory irritation. Dizziness.

Symptoms/injuries after skin contact : Caustic burns/corrosion of the skin. Paleness. Causes skin irritation.

Symptoms/injuries after eye contact : Corrosion of the eye tissue. Permanent eye damage. Causes serious eye damage.

Symptoms/injuries after ingestion : Burns to the gastric/intestinal mucosa. Abdominal pain. Dizziness. Headache. Disturbances of consciousness. Vomiting.

Chronic symptoms : ON CONTINUOUS/REPEATED EXPOSURE/CONTACT: Dry/sore throat. Irritation of the eye tissue.

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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 : Preferably: quantities of water. Water spray. Sand.
- Unsuitable extinguishing media : Dry chemical powder. No carbon dioxide.

5.2. Special hazards arising from the substance or mixture

- Fire hazard : Explosive when mixed with combustible material. Risk of overpressure and burst due to decomposition in confined spaces and pipes. Maintains combustion of flammable substances. Promotes combustion. Reactions involving a fire hazard: see "Reactivity Hazard".
- Explosion hazard : INDIRECT EXPLOSION HAZARD. Heat may cause pressure rise in tanks/drums: explosion risk. Reactions with explosion hazards: see "Reactivity Hazard".

5.3. Advice for firefighters

- Precautionary measures fire : Exposure to fire/heat: keep upwind. Exposure to fire/heat: have neighbourhood close doors and windows.
- Firefighting instructions : Cool tanks/drums with water spray/remove them into safety. Use water spray or fog for cooling exposed containers. Wear respiratory protection.
- Protection during firefighting : Heat/fire exposure: compressed air/oxygen apparatus. Do not enter fire area without proper protective equipment, including respiratory protection.

SECTION 6: Accidental release measures

6.1. Personal precautions, protective equipment and emergency procedures

6.1.1. For non-emergency personnel

- Protective equipment : Gloves. Face-shield. Protective clothing.
- Emergency procedures : Inform the public about the hazard and give advice to keep upwind. Remove all sources of ignition. Keep containers closed. Wear recommended personal protective equipment. Ensure adequate air ventilation. Avoid contact with skin, eyes and clothing.

6.1.2. For emergency responders

- Protective equipment : Equip cleanup crew with proper protection.
- Emergency procedures : Ventilate area.

6.2. Environmental precautions

Prevent spreading in sewers. Prevent entry to sewers and public waters. Notify authorities if liquid enters sewers or public waters.

6.3. Methods and material for containment and cleaning up

- For containment : Dam up the liquid spill.
- Methods for cleaning up : Dilute directly spill with plenty of water . Take up liquid spill into a non combustible material e.g.: sand. Scoop absorbed substance into closing containers. See "Material-handling" for suitable container materials. Cover spill with non combustible material, e.g.: sand/earth. Spill must not return in its original container. Take collected spill to manufacturer/competent authority. Clean contaminated surfaces with an excess of water. Wash clothing and equipment after handling. Soak up spills with inert solids, such as clay or diatomaceous earth as soon as possible. Collect spillage. Store aways from other materials. Dam up the liquid spill. Notify authorities if liquid enters sewers or public waters.

6.4. Reference to other sections

Reference to other sections (8, 13). See Heading 8. Exposure controls and personal protection.

SECTION 7: Handling and storage

7.1. Precautions for safe handling

- Precautions for safe handling : Comply with the legal requirements. Remove contaminated clothing immediately. Clean contaminated clothing. Handle and open the container with care. Keep the substance free from contamination. Do not discharge the waste into the drain. Keep away from sources of ignition - No smoking. Observe strict hygiene. Carry operations in the open/under local exhaust/ventilation or with respiratory protection. Wash hands and other exposed areas with mild soap and water before eating, drinking or smoking and when leaving work. Avoid contact with skin, eyes and clothing. Wear cold insulating gloves/face shield/eye protection. Avoid all unnecessary exposure. Ensure adequate ventilation.
- Hygiene measures : Do not eat, drink or smoke when using this product. Wash ... thoroughly after handling.

7.2. Conditions for safe storage, including any incompatibilities

- Storage conditions : Keep container in a well-ventilated place. Keep cool. Store in original container.
- Incompatible products : organic materials. reducing agents. Combustible. Rust. dirt. metals. Risk of decomposition in contact with non-tolerant materials (metal oxides, metal ions, metal salts, bases, reducing agents).

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according to Regulation (EC) No. 453/2010

Incompatible materials	: tin. Chromium. copper. iron. lead. Manganese (Mn). nickel. zinc.
Storage temperature	: 10 - 30 °C
Heat and ignition sources	: heat sources.
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. Store in a dark area. Keep container in a well-ventilated place. Fireproof storeroom. Under a shelter/in the open. 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: stainless steel. aluminium. polyethylene. glass. stoneware/porcelain. 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

Huwa-San TR-50		
Belgium	Limit value (mg/m ³)	1,4 mg/m ³
Belgium	Limit value (ppm)	1 ppm

Huwa-San TR-50	
DNEL/DMEL (Workers)	
Acute - local effects, inhalation	3 mg/m ³ Respiratory inhalation
Long-term - local effects, inhalation	1,4 mg/m ³ Respiratory inhalation
DNEL/DMEL (General population)	
Acute - local effects, inhalation	1,93 mg/m ³ Respiratory inhalation
Long-term - local effects, inhalation	0,21 mg/m ³ Respiratory inhalation
PNEC (Water)	
PNEC aqua (freshwater)	0,0126 mg/l
PNEC aqua (marine water)	0,0126 mg/l
PNEC (Sediment)	
PNEC sediment (freshwater)	0,047 mg/kg dwt
PNEC sediment (marine water)	0,047 mg/kg dwt
PNEC (Soil)	
PNEC soil	0,0023 mg/kg dwt
PNEC (STP)	
PNEC sewage treatment plant	4,66 mg/l

8.2. Exposure controls

Appropriate engineering controls : Avoid contact with skin, eyes, or clothing. Wash hands and face before break and at end of works. Measure the concentration in the air regularly. Emergency eye wash fountains and safety showers should be available in the immediate vicinity of any potential exposure. Do not eat, drink and do not smoke in areas where product is used. Carry operations in the open/under local exhaust/ventilation or with respiratory protection.

Personal protective equipment : Gloves. Face shield. Corrosionproof clothing. High gas/vapour concentration: gas mask with filter type B. Avoid all unnecessary exposure.



Materials for protective clothing : GIVE GOOD RESISTANCE: natural rubber. nitrile rubber. butyl rubber. polyethylene. PVC. viton. GIVE LESS RESISTANCE: neoprene. polyethylene/ethylenevinylalcohol. GIVE POOR RESISTANCE: leather. PVA. natural fibres.

Hand protection : Gloves. Wear protective gloves.

Eye protection : Face shield. Chemical goggles or safety glasses.

Skin and body protection : Corrosion-proof clothing. Wear suitable protective clothing.

Respiratory protection : High gas/vapour concentration: gas mask with filter type B. Wear appropriate mask.

Environmental exposure controls : Reference to other sections (6.2, 6.3, 13).

Other information : Do not eat, drink or smoke during use.

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Safety Data Sheet

according to Regulation (EC) No. 453/2010

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	: Almost odourless. Pungent.
Odour threshold	: No data available
pH	: 0,4 – 1,8
pH solution	: 50 %
Relative evaporation rate (butylacetate=1)	: ≥ 1
Melting point	: Not applicable
Freezing point	: -52 °C
Boiling point	: 114 °C (50%)
Flash point	: Not applicable
Self ignition temperature	: No data available
Decomposition temperature	: No data available
Flammability (solid, gas)	: Non flammable
Vapour pressure	: 12 hPa
Vapour pressure at 50 °C	: 72 hPa
Relative vapour density at 20 °C	: > 1
Relative density	: 1,2
Density	: 1,190 – 1,198 g/cm ³ (50%)
Solubility	: Soluble in water. Soluble in ethanol. Soluble in ether. Water: Complete
Log Pow	: -1,57
Viscosity, kinematic	: No data available
Viscosity, dynamic	: 1,17 - 1,249 mPa.s
Explosive properties	: No data available
Oxidising properties	: May intensify fire; oxidiser.
Explosive limits	: No data available

9.2. Other information

VOC content	: Not applicable
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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: risk of spontaneous ignition. With (some) metals and their compounds. With (some) acids/bases. With organic material. With oxygen compounds. With (strong) reducers. Reacts with combustible materials: (increased) risk of fire/explosion. Reacts with (strong) oxidizers: (increased) risk of fire/explosion. This reaction is accelerated on exposure to impurities. Release of oxygen in contact with impurities, decomposition catalysts and incompatible substances.

10.2. Chemical stability

Unstable on exposure to heat. Unstable on exposure to light. Not established.

10.3. Possibility of hazardous reactions

heat sources. Refer to section 10.1 on Reactivity.

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

Strong acids. Strong bases. dirt. May be corrosive to metals. metals. Oxidizing agent.

10.6. Hazardous decomposition products

oxygen.

SECTION 11: Toxicological information

11.1. Information on toxicological effects

Acute toxicity	: Harmful if swallowed.
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Huwa-San TR-50

Safety Data Sheet

according to Regulation (EC) No. 453/2010

Huwa-San TR-50	
LD50 oral rat	> 500 mg/kg Hydrogen peroxide 50%
LD50 dermal rabbit	> 4000 mg/kg 50% H2O2
ATE (oral)	500,000 mg/kg bodyweight

hydrogen peroxide solution ... % (7722-84-1)	
ATE (oral)	500,000 mg/kg bodyweight
ATE (dust,mist)	1,500 mg/l/4h

Skin corrosion/irritation	: Causes skin irritation. pH: 0,4 – 1,8
Serious eye damage/irritation	: Causes serious eye damage. pH: 0,4 – 1,8
Respiratory or skin sensitisation	: Not classified Based on available data, the classification criteria are not met
Germ cell mutagenicity	: Not classified Based on available data, the classification criteria are not met
Carcinogenicity	: Not classified Based on available data, the classification criteria are not met
Reproductive toxicity	: Not classified Based on available data, the classification criteria are not met
Specific target organ toxicity (single exposure)	: May cause respiratory irritation.
Specific target organ toxicity (repeated exposure)	: Not classified Based on available data, the classification criteria are not met
Aspiration hazard	: Not classified Based on available data, the classification criteria are not met
Potential Adverse human health effects and symptoms	: Harmful if swallowed.

SECTION 12: Ecological information

12.1. Toxicity

Ecology - general	: Classification concerning the environment: not applicable.
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Huwa-San TR-50	
LC50 fishes 1	16,4 mg/l (96 h; Pimephales promelas; Solution >=50%)
EC50 Daphnia 1	2,4 mg/l (48 h; Daphnia pulex; Solution >=50%)
EC50 other aquatic organisms 1	2,5 mg/l (72 h; Chlorella vulgaris)
LC50 fish 2	37,4 mg/l (96 h; Ictalurus punctatus)
EC50 Daphnia 2	7,7 mg/l (24 h; Daphnia magna; Solution >=50%)

12.2. Persistence and degradability

Huwa-San TR-50	
Persistence and degradability	Biodegradability: not applicable. No (test)data on mobility of the components of the mixture available. Photolysis in the air. Not established.
Biochemical oxygen demand (BOD)	Not applicable
Chemical oxygen demand (COD)	Not applicable
ThOD	Not applicable
BOD (% of ThOD)	Not applicable

12.3. Bioaccumulative potential

Huwa-San TR-50	
Log Pow	-1,57
Bioaccumulative potential	Bioaccumulation: not applicable. Not established.

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

: Avoid release to the environment

Huwa-San TR-50

Safety Data Sheet

according to Regulation (EC) No. 453/2010

SECTION 13: Disposal considerations

13.1. Waste treatment methods

Waste 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. Dispose of contents/container to ...
Additional information	: LWCA (the Netherlands): KGA category 01. Hazardous waste according to Directive 2008/98/EC.
Ecology - waste materials	: Avoid release to the environment.
EURAL code	: 06 13 99 - wastes not otherwise specified

SECTION 14: Transport information

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

14.1. UN number

UN-No (ADR)	: 2014
UN-No.(IATA)	: 2014
UN-No. (IMDG)	: 2014

14.2. UN proper shipping name

Proper Shipping Name	: Hydrogen peroxide, aqueous solution
Transport document description	: UN 2014 Hydrogen peroxide, aqueous solution, 5.1 (8), II, (E)

14.3. Transport hazard class(es)

Class (UN)	: 5.1
Classification code (UN)	: OC1
Class (IATA)	: 5.1
Class (IMDG)	: 5.1
Subsidiary risk (IMDG)	: 8
Subsidiary risk (IATA)	: 8
Hazard labels (UN)	: 5.1, 8



14.4. Packing group

Packing group (UN)	: II
Packing group (IMDG)	: II

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

State during transport (ADR-RID)	: as liquid
Hazard identification number (Kemler No.)	: 58
Classification code (UN)	: OC1
Orange plates	:



Tunnel restriction code	: E
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14.6.2. Transport by sea

EmS-No. (Fire)	: F-H
EmS-No. (Spillage)	: S-Q

14.6.3. Air transport

No additional information available

Huwa-San TR-50

Safety Data Sheet

according to Regulation (EC) No. 453/2010

14.6.4. Inland waterway transport

No additional information available

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

No REACH Annex XVII restrictions

Contains no REACH candidate substance

VOC content : Not applicable

Seveso Information :

15.1.2. National regulations

Please note Directive 92/85/EEC (Pregnant Workers directive) and amendments.

Please note Directive 94/33/EC (Protection of Young Workers at the workplace Directive) and amendments.

15.2. Chemical safety assessment

No chemical safety assessment has been carried out

SECTION 16: Other information

Indication of changes:

Revised safety data sheet in accordance with commission regulation (EU) No 453/2010.

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. 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, amending and repealing Directives 67/548/EEC and 1999/45/EC, and amending Regulation (EC) No 1907/2006.

Other information : None.

Full text of 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 Dam. 1	Serious eye damage/eye irritation, Category 1
Ox. Liq. 1	Oxidising Liquids, Category 1
Skin Corr. 1A	Skin corrosion/irritation, Category 1A
Skin Irrit. 2	Skin corrosion/irritation, Category 2
STOT SE 3	Specific target organ toxicity — Single exposure, Category 3, Respiratory tract irritation
Aquatic Chronic 3	Chronic aquatic toxicity, Category 3
H271	May cause fire or explosion; strong oxidiser
H302	Harmful if swallowed
H314	Causes severe skin burns and eye damage
H315	Causes skin irritation
H318	Causes serious eye damage
H332	Harmful if inhaled
H335	May cause respiratory irritation
H412	Harmful to aquatic life with long lasting effects

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