SAFETY DATA SHEET
OXYL-PRO® Hard surface disinfectant

Revision date: 01/03/2020
Revision No: 1

SECTION 1: IDENTIFICATION OF THE SUBSTANCE/MIXTURE AND OF THE COMPANY/UNDERTAKING

1.1. Product Identifier:

Product Name: OXYL-PRO® Hard surface disinfectant

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

Intended use: Disinfection

1.3. Details of the supplier of the safety data sheet

Company Name: Chemiteq Limited
Unit 8 Birch Court
Grosvenor Grange
Warrington
WA1 4GD
Tel: 01606 851782
Email: enquiries@chemiteq.co.uk

1.4. Emergency telephone number

Emergency No: 01606 851782 (0ffice hours only)
Carechem 24 International (Europe): +44 (0) 1235 239 670

SECTION 2: HAZARDS IDENTIFICATION

Labelling

This product does not meet the criteria for classification in any hazard class according to Regulation (EC) No 1272/2008 on classification, labelling and packaging of substances and mixtures. A Safety Data Sheet is being supplied for this product on request as it contains a substance in an individual concentration of ≥ 1 % w/w classified with health or environmental hazards and not intended for the general public.

2.2. Label Elements

Product Name:	OXYL-PRO Hard Surface Disinfectant
Code:	OP RTU
Contains:	Not applicable
Hazard Pictogram(s):	None assigned
Signal Word(s):	None assigned
Hazard Statement(s):	None assigned
Precautionary Statement(s):	None assigned

Supplemental information EUH210: Safety data sheet available on request.

2.3. Other Hazards

None known.

SECTION 3: COMPOSITION/INFORMATION ON INGREDIENTS

3.2. Mixtures

EC Classification Regulation (EC) No. 1272/2008 (CLP)

HYDROGEN PEROXIDE <2%
CAS: 7722-84-1 **EC No**: 231-765-0 **EC annex No**: 008-003-00-9
REACH registration number: not yet assigned in the supply chain

Hazard statements:
Ox. Liq. 1; H271
Acute Tox. 4; H302
Skin Corr. 1A; H314
Eye Dam. 1; H318
Acute Tox. 4; H332
STOT SE 3; H335
Aquatic Chronic 3; H412

Specific Concentration Limits
STOT SE 3; H335; C ≥ 35 %
Eye Dam. 1; H318: 8 % ≤ C < 50 %
Eye Irrit. 2; H319: 5 % ≤ C < 8 %
Ox. Liq. 1; H271: C ≥ 70 %
Ox. Liq. 2; H272: 50 % ≤ C < 70 %
Skin Corr. 1A; H314: C ≥ 70 %
Skin Corr. 1B; H314: 50 % ≤ C < 70 %
Skin Irrit. 2; H315: 35 % ≤ C < 50 %

Composition comments:
Stabilised

SECTION 4: FIRST AID MEASURES

4.1. Description of first aid measures
Self-protection of the first aider
No action should be taken involving personal risk. Use personal protective equipment as required. Ensure adequate ventilation.
Inhalation
IF INHALED: If breathing is difficult, remove to fresh air and keep at rest in a position comfortable for breathing
Skin Contact
IF ON SKIN: Wash with plenty of water. If skin irritation occurs: Get medical advice/attention.
Eye Contact
IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. If irritation develops and persists, get medical attention.
Ingestion
Rinse mouth. Get medical advice/attention if you feel unwell.

4.2. Most important symptoms and effects, both acute and delayed
Symptoms:
None known.

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

SECTION 5: FIRE-FIGHTING MEASURES

5.1. Extinguishing media
Extinguishing media: As appropriate for the surrounding fire.

Unsuitable Extinguishing media: Direct water jet may spread the fire.

5.2. Special hazards arising from the substance or mixture
Product is not classified as flammable, but will burn on contact with flame or exposure to high temperature. Combustion may cause toxic fumes. (Carbon monoxide, Carbon dioxide).

5.3. Advice for fire-fighters
Fight fire with normal precautions from a reasonable distance. Fire fighters should wear complete protective clothing including self-contained breathing apparatus. Keep containers cool by spraying with water if exposed to fire. Avoid run off to waterways and sewers.

SECTION 6: ACCIDENTAL RELEASE MEASURES

6.1. Personal precautions, protective equipment and emergency procedures
Caution - spillages may be slippery. Eliminate sources of ignition. Shut off leaks if without risk. Avoid prolonged skin contact. Ensure adequate ventilation.

6.2. Environmental precautions
Avoid release to the environment.

6.3. Methods and material for containment and cleaning up
Provided it is safe to do so, isolate the source of the leak. Adsorb spillages onto sand, earth or any suitable adsorbent material. Transfer to a container for disposal. Wash the spillage area with water.

SECTION 7: HANDLING AND STORAGE

7.1. Precautions for safe handling
Ensure adequate ventilation. Avoid inhalation of high concentrations of vapours. Use personal protective equipment as required. Avoid prolonged skin contact. Do not eat, drink or smoke when using this product. Wash hands before breaks and after work.

7.2. Conditions for safe storage, including any incompatibilities
Keep container tightly closed. Store in a cool/low-temperature, well-ventilated (dry) place away from heat and ignition sources. Keep cool. Protect from sunlight.
Shelf life: 2 years from date of manufacture when stored in accordance with recommendations. See best before date on label.

Materials to avoid:
Strong oxidising agents.

7.3. Specific end use(s): See Section 1.2

SECTION 8: EXPOSURE CONTROLS/PERSONAL PROTECTION

8.1 Control parameters

8.1.1 Exposure limits

Substance	Cas No	LTEL (8 hr TWA ppm)	LTEL (8 hr TWA mg/m³)	STEL (ppm)	STEL (mg/m³)	Note
Hydrogen peroxide	7722-84-1	1	1.4	2	2.8	WEL

Source: WEL: Workplace Exposure Limit (UK HSE EH40).

8.1.2 Biological limit value None assigned.

8.1.3 PNECs and DNELs None assigned.

8.2. Exposure controls
8.2.1 Appropriate engineering controls
Ensure adequate ventilation. Store in a cool/low-temperature, well-ventilated (dry) place away from heat and ignition sources.

8.2.2 Individual protection measures, such as personal protective equipment (PPE) Keep good industrial hygiene. Wear appropriate personal protective equipment, avoid direct contact. Avoid prolonged skin contact. Do not eat, drink or smoke at the work place.

Eye/ face protection
Use eye protection according to EN 166, designed to protect against liquid splashes

Skin protection
Wear suitable chemical resistant protective gloves for frequent or prolonged operations tested to EN374 with an acceptable permeation test. Contaminated gloves should be carefully rinsed with water before reuse.

Respiratory protection
Respiratory protection is not necessary if room is well ventilated. In case of inadequate ventilation wear respiratory protection.

Thermal hazards Not applicable

8.2.3 Environmental exposure controls
Prevent product from entering the environment.

SECTION 9: PHYSICAL AND CHEMICAL PROPERTIES

9.1. Information on basic physical and chemical properties

State:	**Clear** Liquid
Colour:	Colourless
Odour:	Slightly pungent
pH Value:	6-8
Density:	1.0 circa
Solubility in water:	Complete
Flash point [°C]:	Not applicable
Freeze point:	-0°C
Boiling point:	Not established
Vapour pressure:	Not established
Partition coefficient:	
n-octanol/water	Not established

Thermal decomposition Not established
Viscosity:
Viscosity, dynamic Not established

SECTION 10: STABILITY AND REACTIVITY

10.1 Reactivity
Stable under normal conditions.
10.2 Chemical stability
Stable under normal conditions.
10.3 Possibility of hazardous reactions
No hazardous reactions known if used for its intended purpose.
10.4 Conditions to avoid
Keep cool. Protect from sunlight.
10.5 Incompatible materials
Strong oxidising agents.
10.6 Hazardous decomposition product(s)
None known.

SECTION 11: TOXICOLOGICAL INFORMATION

11.1. Information on toxicological effects
Information on toxicological effects
Acute toxicity
Ingestion Based upon the available data, the classification criteria are not met.
Acute Toxicity Estimate Mixture Calculation: LD50 >2000 mg/kg bw
Inhalation Based upon the available data, the classification criteria are not met. Acute Toxicity Estimate Mixture Calculation: LC50 >5 mg/l (Dust/Mist)
Skin Contact Based upon the available data, the classification criteria are not met. Acute Toxicity Estimate Mixture Calculation: LD50 >2000 mg/kg bw
Skin corrosion/irritation Based upon the available data, the classification criteria are not met.
Serious eye damage/irritation Based upon the available data, the classification criteria are not met.
Respiratory or skin sensitization Based upon the available data, the classification criteria are not met.
Germ cell mutagenicity Based upon the available data, the classification criteria are not met.
Carcinogenicity Based upon the available data, the classification criteria are not met.
Reproductive toxicity Based upon the available data, the classification criteria are not met.
STOT - single exposure Based upon the available data, the classification criteria are not met.
STOT - repeated exposure Based upon the available data, the classification criteria are not met.
Aspiration hazard Based upon the available data, the classification criteria are not met.

11.2 Other information: None.

SECTION 12: ECOLOGICAL INFORMATION

12.1. Toxicity
Based on available data, the classification criteria are not met. Estimated LC50 (Mixture): >100 mg/l

12.2. Persistence and degradability
No data for the mixture as a whole.

Chemical degradation:
Hydrogen peroxide:

Degradation in soil is rapid due to the occurrence of high concentrations of catalytic material.

12.3. Bioaccumulative potential

No data for the mixture as a whole. Hydrogen peroxide is reactive and short-lived polar substance and no bioaccumulation is expected.

12.4. Mobility in soil

No data for the mixture as a whole.

12.5. Results of PBT and vPvB assessment

Not classified as PBT or vPvB

12.6. Other adverse effects

None known.

SECTION 13: DISPOSAL CONSIDERATIONS

General information

Contact a licensed waste disposal company. Dispose of in compliance with local and national regulations.

13.1. Waste treatment methods

In accordance with local and national regulations. See also: Accidental release measures. Wear personal protective equipment. 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/packages must not be used for other purposes.

SECTION 14: TRANSPORT INFORMATION

Land, Sea and Air Transport

Not classified according to the United Nations 'Recommendations on the Transport of Dangerous Goods'

SECTION 15: REGULATORY INFORMATION

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

15.1.1 EU regulations Authorisations and/or Restrictions On Use: Not restricted

15.1.2 National regulations: None known

15.2 Chemical Safety Assessment

A chemical safety assessment is not required under REACH.

SECTION 16: OTHER INFORMATION

The following sections contain revisions or new statements: Not applicable – V1.0 References: Harmonised Classification and Existing ECHA registration(s) for Hydrogen peroxide (CAS No. 7722-84-1) Individual

classification of substances provided by external toxicological consultants. EU Classification: This Safety Data Sheet was prepared in accordance with EC Regulation (EC) 1907/2006 (REACH), 1272/2008 (CLP) & 2015/830

Classification of the substance or mixture according to Regulation (EC) No. 1272/2008 (CLP)	**Classification Procedure**
Not classified	Threshold Calculation
EUH210: Safety data sheet available on request.	Threshold Calculation

LEGEND
LTEL Long Term Exposure Limit
STEL Short Term Exposure Limit
DNEL Derived No Effect Level
PNEC Predicted No Effect Concentration
PBT PBT: Persistent, Bioaccumulative and Toxic
vPvB vPvT: very Persistent and very Toxic
NOEC No Observed Effect Concentration

Hazard classification / Classification code:	**Hazard Statement(s)**
Ox. Liq. 1; Oxidising liquid, Category 1	H271: May cause fire or explosion; strong oxidiser
Ox. Liq. 1; Oxidising liquid, Category 2	H272: May intensify fire; oxidiser
Acute Tox. 4; Acute toxicity, Category 4	H302: Harmful if swallowed
Skin Corr. 1A ; Skin corrosion/irritation, Category 1A	H314: Causes severe skin burns and eye damage.
Skin Corr. 1B; Skin corrosion/irritation, Category 1B	H314: Causes severe skin burns and eye damage.
Skin Irrit. 2; Skin corrosion/irritation, Category 2	H315: Causes skin irritation.
Eye Dam. 1; Eye damage, category 1	H318: Causes serious eye damage.
Eye Irrit. 2; Eye Irritation, Category 2	H319: Causes serious eye irritation.
Acute Tox. 4; Acute toxicity, Category 4	H332: Harmful if inhaled
STOT SE 3; Specific target organ toxicity — single exposure, Category 3	H335: May cause respiratory irritation
Aquatic Chronic 3; Hazardous to the aquatic environment, Chronic , Category 3	H412: Harmful to aquatic life with long lasting effects.

Training advice: Consideration should be given to the work procedures involved and the potential extent of exposure as they may determine whether a higher level of protection is required.

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