

→ Materials Safety Data Sheet

→ 1. Identification of Substance

Product details: Trade name: Deproxin™

Application of the substance: Hospital Grade Disinfectant

Supplier:

UK: Specialist Hygiene Solutions Ltd, Maple House, King's Lynn, PE30 4NG, England. Tel: 0845 270 6690 Fax: 0845 270 3334

USA: 36 Commerce Street, Springfield, New Jersey, 07081

AUS: 65 Atkins Road, Ermington, Sydney, NSW 2115

NZ: 12 Huia Road, Otahuhu, Auckland 1640.

Manufactured specifically for Specialist Hygiene Solutions Ltd in Switzerland

→ 2. Hazards Identification



H315: Causes skin irritation

H319: Causes serious eye irritation

H335: May cause respiratory irritation

P261: Avoid breathing vapor, mist, fume, gas, spray

P264: Wash hands and forearms thoroughly after handling

P271: Use only outdoors or in a well-ventilated area

P280: Wear eye protection, face protection, protective clothing, protective gloves

P302+P352: If on skin, wash with plenty of soap and 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 so. Continue rinsing

P310: Immediately call a POISON CENTER or doctor

P332+P313: If skin irritation occurs: Get medical advice/attention

P362: Take off contaminated clothing

P403+P233: Store in a well ventilated place.

Keep container tightly closed

P405: Store locked up

P501: Dispose of contents/container according to local, regional, national, territorial, provincial, and international regulations

→ 3. Composition/ information on ingredients

CAS No. Designation:

7732-18-5 water, distilled, conductivity or of similar purity

Identification number(s): EINECS Number: 231-791-2

Mixture of the substances listed below with harmless additions.

Dangerous components:

CAS: 7722-84-1 Hydrogen Peroxide solution 2.5-10%

EINECS: 231-765-0 Acute Tox. 2 (Inhalation vapour), H330

Ox. Liq. 1, H271 Acute Tox. 4 (Dermal), H312

Skin Corr. 1A, H314 Acute Tox. 4 (Oral), H302

Eye Dam. 1, H318 STOT SE 3, H336

CAS: 7761-88-8 Silver <0.2% EINECS: 231-853-9

→ 4. First Aid Measures

General info: Instantly remove any clothing soiled by the product.

Inhalation: Supply fresh air; consult doctor in case of symptoms or ongoing irritation.

Skin contact: Rinse with plenty of clean water for several minutes.

Eye contact: Rinse opened eye for several minutes under running water.

Swallowing: Seek immediate medical advice.

DEPROXIN™

According to 1907/2006/EC, Article 31

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→ 5. Fire Fighting Measures

Use suitable extinguishing agents for the environment.

Protective equipment: No special measures required.

→ 6. Accidental Release Measures

Person-related safety precautions:

Wear protective equipment. Keep unprotected persons away.

Measures for environmental protection:

Do not allow product to reach sewage system or water bodies.

Measures for cleaning/collecting:

Absorb with liquid-binding material (sand, diatomite, acid binders universal binders, sawdust).

Additional information: No dangerous materials are released.

→ 7. Handling and Storage

Information for safe handling: No special measures required.

Information about protection against explosions and fires:

No special measures required.

Requirements to be met by storerooms and containers:

No special requirements.

Information about storage in one common storage facility:

Store away from foodstuffs.

Further information about storage conditions: None.

→ 8. Exposure controls and personal protection

Additional information about design of technical systems:

No further data; see item 7.

Components with limit values that require monitoring at the workplace:

7722-84-1 hydrogen peroxide solution (2.5-10%)

WEL Short-term value: 2.8mg/m³, 2 ppm.

Long-term value: 1.4mg/m³, 1 ppm

Additional information: The lists that were valid during the compilation were used as basis.

General protective and hygienic measures: Keep away from foodstuffs, beverages and food. Take off immediately all contaminated clothing. Wash hands during breaks and at the end of the work. Avoid contact with the eyes and skin. Breathing equipment not required.

Protective gloves: The glove material has to be impermeable and resistant to the product/the substance/the preparation. Due to missing tests no recommendation to the glove material can be given for the product/the preparation/the chemical mixture. Selection of the glove material on consideration of the penetration times, rates of diffusion and the degradation.

Material of gloves: The selection of the suitable gloves does not only depend on the material, but also on further marks of quality and varies from the manufacturer to manufacturer. As the product is a preparation of several substances, the resistance of the glove material can not be calculated in advance and has therefore to be checked prior to the application.

Penetration time of glove material: The exact break through time has to be found out by the manufacturer of the protective gloves and has to be observed

Eye protection: Tightly sealed safety glasses.

➔ 9. Physical and chemical properties

General Information

Form: Fluid Colour: Colourless Odour: Odourless

Change in condition

Melting point/range: 0°C Boiling point/range: 100°C

Flash point: Not applicable

Danger of explosion: Product is not explosive.

Vapour pressure at 20°C: 23hPa

Density at 20°C: ca.1.0 g/cm³

Solubility in/miscibility with water: Fully miscible

pH-value at 20°C: ca.3

Solvent content

Organic solvents: 0.0%

VOC-EU: 0.00% VOC-EU: g/l VOC-CH: 0.00%

➔ 10. Stability and reactivity

General Information

Thermal decomposition /conditions to be avoided:

No decomposition if used and stored according to specifications.

Dangerous products of decomposition: Possible in traces.

➔ 11. Toxicological information

Acute toxicity - LD/LC50 values that are relevant for classification:

7722-84-1 hydrogen peroxide solution

Oral LD50 415 mg/kg (rat)

Dermal LD50 >5000 mg/kg (rabbit)

Inhalative LC50(4h) >0.17 mg/l (rat)

Primary irritant effect:

On the skin: Caustic effect on skin and mucous membranes.

On the eye: Strong caustic effect.

Sensitization: No sensitizing effect known.

Additional toxicological information: The material is not subject to classification according to EC lists in the last version.

➔ 12. Ecological information

Ecotoxicological effects - Aquatic toxicity:

7722-84-1 hydrogen peroxide solution

EC50 (48h) 2.4 mg/l (Daphnia pulex)

EC50 (24h) 7.7 mg/l (Daphnia magna)

IC50 (72h) 2.5 mg/l (Chlorella vulgaris)

IC94 (48h) 1.7 mg/l (Cyanobacteria Blaualgen)

LC50 (96h) 16.4 mg/l (Pimephales promelas)

LC50 (24h) 31.3mg/l (Oncorhynchus mykiss)

General notes: Water hazard class 1 (Self-assessment):

slightly hazardous for water.

➔ 13. Disposal considerations

Product recommendation:

Smaller quantities can be disposed with household garbage.

Uncleaned packages recommendation:

Disposal must be made according to official regulations.

Recommended cleaning agent:

Water, if necessary with cleaning agent.

➔ 14. Transport information

Land transport ADR/RID (cross-border):

ADR/RID-GGVS/E: -

Maritime transport IMDG:

IMDG Class: - Marine pollutant: No

Air transport ICAO-TI ad IATA-DGR:

ICAO/IATA Class: - UN "Model Regulation": -

➔ 15. Regulatory Information

Designation according to EC guidelines:

Observe the normal safety regulations when handling chemicals. The material is not subject to classification according to EC lists and other sources of literature known to us. The product is not subject to identification regulations under EC Directives and the Ordinance on Hazardous Materials (GefStoffV).

Risk phrases:

36 Irritating to eyes.

Safety phrases:

9 Keep container in well-ventilated place.

17 Keep away from combustible material.

20 When using do not eat or drink.

23 Do not breathe gas/fumes/vapour/spray (appropriate wording to be specified by the manufacturer).

25 Avoid contact with eyes.

26 In case of contact with eyes, rinse immediately with plenty of water and seek medical advice.

27 Take off immediately all contaminated clothing.

36/37/39 Wear suitable protective clothing, gloves and eye/face protection.

National regulations:

Water hazard class 1 - slightly hazardous for water.

➔ 16. Other Information

These data are based on our present knowledge. However, they shall not constitute a guarantee for any specific product features and shall not establish a legally valid contractual relationship.

Relevant R-phrases:

20/22 Harmful by inhalation and if swallowed.

35 Causes severe burns.

8 Contact with combustible material may cause fire.

Department issuing data specification sheet:

Environment Protection Department. Contact: Abteilung Labor

Abbreviations and acronyms:

ADR: European Agreement concerning the International Carriage of Dangerous Goods by Road

RID: Regulations Concerning the International Transport of Dangerous Goods by Rail

IMDG: International Maritime Code for Dangerous Goods

IATA: International Air Transport Association.

IATA-DGR: Dangerous Goods Regulations by the "International Air Transport Association" (IATA)

ICAO: International Civil Aviation Organisation.

ICAO-TI: Technical instructions by the "International Civil Aviation Organisation" (ICAO)

GHS: Globally Harmonised System of Classification and Labelling of Chemicals

EINECS: European Inventory of Existing Commercial Chemical Substances

CAS: Chemical Abstracts Service (division of the American Chemical Society)

LC50: Lethal concentration, 50 percent

LD50: Lethal dose, 50 percent

* Data compared to the previous version altered.