

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

1.1 Product identifier.

Trade name: Deep Clean solution.

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

Product use: Intended for resolving clogging and fouling of flow cells.

1.3 Details of the Supplier of the safety data sheet:

Company: SBT Instruments
Symfonivej 37
2730, Herlev
Copenhagen, Denmark
www.sbtinstruments.com

Contact: info@sbtinstruments.com

1.4 Emergency telephone number:

Use your national or local emergency number.
United Kingdom: Contact The National Poisons Information Service (dial 111, 24 h service).

SECTION 2. HAZARDS IDENTIFICATION

2.1 Classification of the substance or mixture according to CLP No 1272/2008/GB CLP.

Resp. Sens. 1; H334.

2.2 Label elements according to CLP No 1272/2008/GB CLP:

Hazard pictograms:



Signal word:
Danger

Contains: Pepsin A.

Hazard statements:

H334 May cause allergy or asthma symptoms or breathing difficulties if inhaled.

Precautionary statements:

Prevention:

P261 Avoid breathing mist/vapours/spray.

P284 Wear respiratory protection.

Safety data sheet

Deep Clean solution

Version 1.0

Effective date: 31-01-2023



Response:

P304 + P340 IF INHALED: Remove victim to fresh air and keep at rest in a position comfortable for breathing.

P342 + P311 If experiencing respiratory symptoms: Call a POISON CENTER or doctor/physician.

Storage:

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Disposal:

P501 Dispose of contents/container to an approved waste disposal plant.

Additional information:

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2.3 Other hazards.

The product contains no PBT or vPvB substances.

This mixture does not contain substances with endocrine disrupting properties in accordance with the criteria laid down in Commission Delegated Regulation (EU) 2017/2100 or Commission Regulation (EU) 2018/605.

SECTION 3. COMPOSITION/INFORMATION ON INGREDIENTS

3.1 Substance:

This product is a mixture.

3.2 Mixture:

CAS/EC No	REACH No	Name	Content %	Classification CLP
9001-75-6 / 232-629-3	Except.	Pepsin A	≤1.0	Skin Irrit. 2; H315, Eye Irrit. 2; H319, Resp. Sens. 1; H334, STOT SE 3; H335.
7647-01-0 / 231-595-7	Except.	Hydrochloric acid*	≤0.1	Skin Corr. 1A; H314, STOT SE 3, H335.

*Specific concentration limits CAS 7647-01-0 Hydrochloric acid:

(C ≥ 10) STOT SE 3, H335

(10 ≤ C < 25) Eye Irrit. 2, H319

(10 ≤ C < 25) Skin Irrit. 2, H315

(C ≥ 25) Skin Corr. 1B, H314

Occupational limits are listed in section 8, if these are available. See full text of H-phrases in section 16.

SECTION 4. FIRST AID MEASURES

4.1 Description of first aid measures:

General information:

If symptoms persist: Contact a doctor or casualty department. Show this safety data sheet to the doctor.

Safety data sheet

Deep Clean solution

Version 1.0

Effective date: 31-01-2023



Inhalation:	If inhaled, remove person to fresh air. If not breathing, give artificial respiration. If breathing is difficult, give oxygen. Get medical attention if symptoms worsen
Skin contact:	Wash skin with water and soap.
Eye contact:	Rinse thoroughly with plenty of water for several minutes. Remove contact lenses, if present and easy to do. If eye irritation persists get medical advice/attention
Ingestion:	Rinse mouth with water and spit out. Get Medical advice/attention if you feel unwell.

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

May cause allergy or asthma symptoms or breathing difficulties if inhaled.

4.3 Indication of any immediate medical attention and special treatment needed:

Treat symptomatically.

SECTION 5. FIRE FIGHTING MEASURES

5.1 Extinguishing media: Suitable extinguishing media for the surrounding fire should be used.

Unsuitable extinguishing media:

None known.

5.2 Special hazards arising from the substance or mixture:

No special hazards known.

5.3 Advice for firefighters:

Wear self-contained breathing apparatus and protective clothing to prevent contact.

SECTION 6. ACCIDENTAL RELEASE MEASURES

6.1 Personal precautions, protective equipment and emergency procedures:

Use personal protective equipment, see Section 8. Avoid contact with skin, eyes and clothing. Avoid breathing mist/vapours/spray.

6.2 Environmental precautions:

Avoid discharge to lakes, streams, sewers, etc.

6.3 Methods and material for containment and cleaning up:

Small spills: wipe up with absorbent material (e.g. cloth, fleece).

Large spills: Use sand, earth, vermiculite, diatomaceous earth to contain and collect non-combustible absorbent materials and place in suitable container for disposal, according to local regulations. Then rinse the spillage site with plenty of water. Dispose of in accordance with section 13.

6.4 Reference to other sections:

See section 8 for personal protection.

See section 13 for disposal.

Safety data sheet

Deep Clean solution

Version 1.0

Effective date: 31-01-2023



SECTION 7. HANDLING AND STORAGE

7.1 Precautions for safe handling:

See Section 8 for personal protection. Avoid contact with skin, eyes and clothing. Avoid breathing mist/vapours/spray.
Wash hands thoroughly after handling.
Do not eat, drink or smoke when using this product.

7.2 Conditions for safe storage, including any incompatibilities:

Store in well ventilated area away from direct sunlight.
Keep container tightly closed.
Store frost-free.

7.3 Specific end use(s):

This product should only be used for applications described in section 1.2.

SECTION 8. EXPOSURE CONTROLS/PERSONAL PROTECTION

8.1 Control parameters - Occupational exposure limits EH-40 (Great Britain) 2018:

Contains no substances with occupational exposure.

DNEL/PNEC:

No data.

8.2 Exposure controls.

Appropriate technical measures:

Airborne concentrations must be kept as low as possible. Use for example an exhaust system if the normal air flow in the work room is not sufficient.

General information / Hygiene measures:

Smoking, consumption of food or liquid, and storage of tobacco, food or liquid, are not allowed in the workroom. Whenever you take a break in using this product and when you have finished using it, all exposed areas of the body must be washed.

Personal protective equipment:

Only CE-marked personal protection equipment should be used.

Respiratory protection:

Wear respiratory protection.
Option: filter A/P2.

Hand protection:

Wear impervious gloves.
Option: Nitrile gloves. ≥ 240 min. EN 374.

Eye protection:

Wear tightly safety goggles, if risk of contact. EN 166.

Body protection:

Normal work clothing.

Measures to avoid environmental exposure:

No special precautions necessary.

Safety data sheet

Deep Clean solution

Version 1.0

Effective date: 31-01-2023



SECTION 9. PHYSICAL AND CHEMICAL PROPERTIES

9.1 Information on basic physical and chemical properties.

Physical state:	Liquid
Colour:	Product specific
Odour:	Mild
Melting point/freezing point:	Not relevant/no data
Boiling point:	Not relevant/no data
Flammability:	Not relevant/no data
Lower and upper explosion limit:	Not relevant/no data
Flash point:	>60°C
Auto-ignition temperature:	Not relevant/no data
Decomposition temperature:	Not relevant/no data
pH:	Not relevant/no data
Kinematic viscosity:	Not relevant/no data
Solubility:	Soluble in water
Partition coefficient n-octanol/water:	Not relevant/no data
Vapour pressure:	Not relevant/no data
Density and/or relative density:	~1,0 g/ml
Relative vapour density:	Not relevant/no data
Particle characteristics:	Not relevant/no data

9.2 Other information:

No data.

SECTION 10. STABILITY AND REACTIVITY

10.1 Reactivity: No dangerous reaction known under conditions of normal use.

10.2 Chemical stability: Stable under recommended storage conditions.

10.3 Possibility of hazardous reactions:
None known if used and storage as recommended.

10.4 Conditions to avoid: Direct sunlight and frost.

10.5 Incompatible materials: Strong oxidizing agents. Strong acids. Halogens.

10.6 Hazardous decomposition products:
None at recommended storage conditions and use.

SECTION 11. TOXICOLOGICAL INFORMATION

11.1 Information on hazard classes as defined in Regulation (EC) No 1272/2008/GB CLP.

Acute toxicity: Not classified.

Skin corrosion/irritation: Not classified.

Serious eye damage/irritation: Not classified.

Safety data sheet

Deep Clean solution

Version 1.0

Effective date: 31-01-2023



Respiratory or skin sensitization: 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.

11.2 Information on other hazards:

Endocrine disrupting properties:

The product/substance has no endocrine disrupting properties.

Additional information: None.

SECTION 12. ECOLOGICAL INFORMATION

12.1 Toxicity: Not classified.

12.2 Persistence and degradability:
No data available.

12.3 Bioaccumulative potential:
No data available.

12.4 Mobility in soil: Soluble in water.

12.5 Result of PBT and vPvB assessment:
The product does not meet the criteria for PBT or vPvB.

12.6 Endocrine disrupting properties:
The product/substance has no endocrine disrupting properties.

12.7 Other adverse effects:
None known.

SECTION 13. DISPOSAL CONSIDERATIONS

13.1 Waste treatment methods:

The coding of a waste stream is based on the application of the product by the consumer – end-user.
The product is hazardous waste.
Dispose of in accordance with internal procedures and rules.

Contaminated packing: According to packaging material, when cleaned.

SECTION 14. TRANSPORT INFORMATION

This product is not classified as dangerous to ADR transport.

IATA: Not classified as dangerous.

	ADR/RID	IMDG/IMO
14.1 UN number or ID number	Not relevant	Not relevant
14.2 UN proper shipping name	Not relevant	Not relevant
14.3 Transport hazard class(es)	Not relevant	Not relevant
14.4 Packing group	Not relevant	Not relevant
14.5 Environmental hazards – MP EmS:	No Not relevant	No Not relevant
Other informations	LQ: Not relevant Tunnel: Not relevant	LQ: Not relevant Tunnel: Not relevant

14.6 Special precautions for user:

Not relevant.

14.7 Maritime transport in bulk according to IMO instruments:

Not relevant.

SECTION 15. REGULATORY INFORMATION

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

Sources: Chemicals (Hazard Information and Packaging for Supply) Regulations 2009. Control of Substances Hazardous to Health Regulations 2002 (as amended). Merchant Shipping (Dangerous Goods and Marine Pollutants) Regulations 1997. Reporting of Injuries, Diseases and Dangerous Occurrences Regulations 2013. Regulation (EU) 2016/425 of 9 March 2016 on personal protective equipment. Hazardous

Safety data sheet

Deep Clean solution

Version 1.0

Effective date: 31-01-2023



Waste (England and Wales) Regulations 2005 (as amended). EC regulation 1907/2006 (REACH) Directive 2000/532/EC. Seveso directive: 96/82/EC. EC regulation No 2020/878. CLP regulation No 1272/2008. REACH regulation 1907/2006. GB CLP.

Additional information: For professional use only.

People under the age of 18 must not work with this product cf. Council Directive 94/33/EC.

15.2 Chemical safety assessment:

A Chemical safety assessment has not been carried out.

SECTION 16. OTHER INFORMATION

Full text of H-phrases as mentioned in section 3:

H314 Causes severe skin burns and eye damage.

H315 Causes skin irritation.

H319 Causes serious eye irritation.

H334 May cause allergy or asthma symptoms or breathing difficulties if inhaled.

H335 May cause respiratory irritation.

Additional information:

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.

Validated by:

SRS

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