

Product Safety Data Sheet – Structherm Render Revive

1. IDENTIFICATION OF THE SUBSTANCE/PREPARATION AND OF THE COMPANY/UNDERTAKING

1.1 IDENTIFICATION OF THE SUBSTANCE OR PREPARATION

Data sheet applies to:
Structherm Render Revive

1.2 USE OF SUBSTANCE/PREPARATION

Patio Cleaner

1.3 COMPANY/UNDERTAKING IDENTIFICATION

Structherm Limited
Bent Ley Road
Meltham
Holmfirth
HD9 4AP

Emergency Telephone:
UK Emergency Number **999**

European Emergency Number **112**

2. HAZARDS IDENTIFICATION

2.1 CLASSIFICATION OF THE SUBSTANCE OR MIXTURE

Classification under CHIP: Skin Corr. 1A: H314; Aquatic Acute 1: H400; -: EUH031

Most important
adverse effects

Contact with acides liberates toxic gas. Causes severe skin burns and eye damage. Very toxic to aquatic life.

2.2 LABEL ELEMENTS

Label elements under CHIP:
Hazard symbols:
Precautionary statements:

Danger

P102: Keep out of reach of children

P103: Read label before use

P260: Do not breathe dust/fumes/gas/mist/vapours/spray.

P262: Do not get in eyes, on skin or on clothing.

P264: Wash hands, forearms and face thoroughly after handling.

P273: Avoid release to the environment

P280: Wear protective gloves/protective clothing/eye protection/face protection.

P301+P330+P331: IF SWALLOWED: Rinse mouth, do NOT induce vomiting.

P303+P361+P353: IF ON SKIN (or hair): Take off immediately all contaminated clothing. Rinse skin with 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.

P337+P313: IF exposed or concerned. Get medical advice/attention.
 P363: Wash contaminated clothing before reuse.
 P405: Store locked up
 P501: Dispose of contents/container to hazardous or special waste collection point, in accordance with local, regional, national and/or international regulation.

2.3 OTHER HAZARDS

PBT:

This product is not identified as a PBT/vPvB substance

3. MIXTURES

Sodium hypochlorite solution CL active

EINECS	CAS	CLP Classification	Percent
231-668-3	7681-52-9	Skin Corr. 1B: H314 Aquatic Acute 1: H400; -: EUH031	3-7%

4. FIRST AID MEASURES

4.1



If contacting a physician, take this product safety data sheet with you.

After Skin Contact

Remove all contaminated clothes and footwear immediately unless stuck to skin. Drench the affected skin with running water for 10 minutes or longer if substance is still on skin. Transfer to hospital if there are burns or symptoms of poisoning.

After Significant Ingestion

Wash out mouth with water. Do not induce vomiting. Give 1 cup of water to drink every 10 minutes. If unconscious, check for breathing and apply artificial respiration if necessary. If unconscious and breathing is OK, place in the recovery position. Transfer to hospital as soon as possible.

After Significant Inhalation

Remove from source to fresh air.
 In case of sickness, seek medical advice

After Contact With Eyes

Bathe eye with running water for 15 minutes. Transfer to hospital for specialist examination.

4.2 MOST IMPORTANT SYMPTOMS AND EFFECTS, BOTH ACUTE AND DELAYED

Skin Contact:	Blistering may occur. Progressive ulceration will occur if treatment is not immediate.
Eye Contact:	Corneal burns may occur. May cause permanent damage
Ingestion:	Corrosive burns may appear around the lips. Blood may be vomited. There may be bleeding from the mouth or nose.
Inhalation:	There may be shortness of breath with a burning sensation in the throat. Exposure may cause coughing or wheezing.
Delayed/Immediate Effects:	Immediate effects can be expected after short-term exposure

4.3 INDICATION OF ANY IMMEDIATE MEDICAL ATTENTION AND SPECIAL TREATMENT NEEDED

Immediate/Special treatment:	Eye bathing equipment should be available on the premises. Show this safety data sheet to the doctor in attendance
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5. FIRE FIGHTING MEASURES**5.1 EXTINGUISHING MEDIA**

Suitable extinguishing media for the surrounding fire should be used. Use water spray to cool containers

5.2 SPECIAL HAZARDS ARISING FROM THE SUBSTANCE OR MIXTURE

Exposure hazards: Corrosive. In combustion emits toxic fumes.

5.3 ADVICE FOR FIRE FIGHTERS

Wear self-containing breathing apparatus. Wear protective clothing to prevent contact with skin and eyes.

6. ACCIDENTAL RELEASE MEASURES**6.1 PERSONAL PRECAUTIONS**

Notify the police and fire brigade immediately. If outside, keep bystanders upwind and away from danger point. Mark out the contained area with signs and prevent access to unauthorized personnel. Do not attempt to take action without suitable protective clothing – see section 8 of SDS. Turn leaking containers leak-side up to prevent the escape of liquid.

6.2 ENVIRONMENTAL PRECAUTIONS

Do not discharge into drains or rivers. Contain the spillage using bunding.

6.3 METHODS FOR CLEANING UP

Clean up procedures: Clean-up should be dealt with only by qualified personnel familiar with the specific substance. Absorb into dry earth or sand. Transfer to a closable, labelled salvage container for disposal by an appropriate method.

6.4 REFERENCE TO OTHER SECTIONS

Wear protective clothing as described in section 8 of this safety data sheet. See section 11 for additional information on health hazards. Collect and dispose of spillages as indicated in section 13.

7. HANDLING AND STORAGE**7.1 HANDLING**

Avoid direct contact with the substance. Ensure there is sufficient ventilation of the area. Do not handle in a confined space. Avoid the formation or spread of mists in the air.

7.2 STORAGE

Keep in a cool, well ventilated area.
 Keep container tightly closed.
 Must only be kept in original packaging.

7.3 SPECIFIC USES

Cleaner for the removal of contaminants from hard surfaces.

8. EXPOSURE CONTROLS**8.1 CONTROL PARAMETERS**

Workplace exposure limits:	No data available
DNEL/PNEC Values:	No data available

8.2 EXPOSURE CONTROLS

Engineering measures:	Ensure there is sufficient ventilation of the area.
Respiratory protection:	Self-contained breathing apparatus must be available in case of an emergency.
Hand protection:	Impermeable gloves
Eye protection:	Ensure eye bath is to hand. Wear eye/face protection. Wear approved chemical safety goggles at all times, ensuring they are tightly fitted.
Skin protection:	Impermeable protective clothing

9. PHYSICAL AND CHEMICAL PROPERTIES**9.1 GENERAL INFORMATION**

Appearance:	Liquid
Colour:	Colourless
Odour:	Characteristic odour
Evaporation rate:	Slow
Oxidising:	No data available
Solubility in water:	Soluble
Viscosity:	Non-viscous
Boiling point/range (°C):	100
Melting point/range (°C):	No data available
Flammability limits (%):	Lower: No data available

Flashpoint (°C):	Upper: No data available 93
Part.coeff. n-octanol/water:	No data available
Autoflammability (°C):	No data available
Vapour Pressure:	No data available
Relative Density:	No data available
pH:	11.5
VOC g/l:	No data available

9.2 OTHER INFORMATION

No data available

10. STABILITY AND REACTIVITY**Reactivity**

Stable under recommended transport or storage conditions.

Stability

Stable under normal conditions

Hazardous Reactions

Hazardous reactions will not occur under normal transport or storage conditions.

Decomposition may occur on exposure to conditions or materials listed below

10.1 CONDITIONS TO AVOID

Heat

10.2 MATERIALS TO AVOID

Strong oxidizing agents. Strong acids

10.3 HAZARDOUS DECOMPOSITION PRODUCTS

In combustion emits toxic fumes

11. TOXICOLOGICAL DATA**Hazardous Ingredients:****SODIUM HYPOCHLORITE SOLUTION...100% CL ACTIVE**

ORL	MUS	LD50	5800	MG/KG
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Relevant hazards for product:

Hazard	Route	Basis
Skin corrosion/irritation	DRM	Hazardous:calculated
Serious eye damage/irritation	OPT	Hazardous: calculated

Symptoms/routes of exposure

Skin contact:

Blistering may occur. Progressive ulceration will occur if treatment is not immediate.

Eye contact:	Corneal burns may occur. May cause permanent damage.
Ingestion:	Corrosive burns may appear around the lips. Blood may be vomited. There may be bleeding from the mouth or nose.
Inhalation:	There may be shortness of breath with a burning sensation in the throat. Exposure may cause coughing or wheezing.
Delayed/Immediate effects:	Immediate effects can be expected after short-term exposure.

12. ECOLOGICAL DATA

Ecotoxicity	No data available
Persistence and degradability	Biodegradable
Bioaccumulative potential	No bioaccumulation potential
Mobility in soil	Readily absorbed into soil
Results of PBT and vPvB assessment:	This product is not identified as a PBT/vPvB substance
Other adverse effects:	Negligible ecotoxicity

13. DISPOSAL CONSIDERATIONS

Transfer to a suitable container and arrange for collection by a specialized disposal company
 N.B The user's attention is drawn to the possible existence of regional or national regulations regarding disposal.

14. TRANSPORT REGULATIONS

UN Number:	IN1791
Shipping name:	HYPOCHLORITE SOLUTION
Transport hazard class(es):	8
Packing group:	III
Environmental hazards:	Environmentally hazardous: Yes Marine pollutant: No
Special precautions:	No special precautions
Tunnel code:	E
Transport category:	3

15. REGULATORY INFORMATION

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

Not applicable

Chemical safety assessment:

A chemical safety assessment has not been carried out for the substance or the mixture by the supplier

16. OTHER INFORMATION**16.1 PHRASES USED IN S.2 and S.3**

EUH031:	Contact with acids liberates toxic gas
H314:	Causes severe skin burns and eye damage
H400:	Very toxic to aquatic life

16.2 FURTHER INFORMATION

For technical advice contact technical team:	Tel: 01484 850098
email: info@structherm.co.uk	web: www.structherm.co.uk

This data sheet is supplementary to other technical instruction and guidance and does not replace them. This information is based on data currently available and is correct to the best of our knowledge at the time of publication. This information is given as guidance in assessing safe handling, storage, and use. Recipients of the product must take responsibility for the safe use and disposal of product observing existing laws, regulations and accepted best working practice.