Protectcoat Concrete Remover

Section 1. Identification of the substance and of the company/undertaking

Company details:

Protectcoat International
Spinding 16
5431 SN CUIJK
The Netherlands
+31 (0)85-0655797
www.protectcoatint.com

Trade name : Protectcoat Concrete Remover
Substance name : 2-hydroxyethanoic acid CAS-No. 79-14-1

1.2 Relevant identified uses of the substance or mixture and uses advised
Recommended use: Concrete- and cement residue remover

1.3 Emergency telephone number:
EU: call 112

Section 2. Hazards Identification

2.1 Classification of the substance or mixture
For the full text of the R-phrases mentioned in this Section, see Section 16.
1272/2008 (CLP)
Skin Corr. 1B, H314
67/548/EEC - 1999/45/EC
C; R34

2.2 Label elements
1272/2008 (CLP)
GHS05
Signal word: Danger

Hazard statements
H314 Causes severe skin burns and eye damage
Precautionary Statements
P264 Wash hands thoroughly after handling.
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):	Remove/Take off immediately all contaminated clothing. Rinse skin with water/shower.
P305+P351+P338 IF IN EYES:	Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.

2.3 Other hazards
no data available

Protectcoat Concrete Remover

Section 3. Composition information on ingredients

3.2 Mixtures

For the full text of the R-phrases mentioned in this Section, see Section 16.
For the full text of the H-Statements mentioned in this Section, see Section 16.

Hazardous components

CAS	EINECS	Chemical name of the substance	Concentration
79-14-1	201-180-5	2-hydroxy ethanoic acid	< 20 %

Classification

DSD: C, Xn; R34, R22 CLP: Skin Corr. 1B, Acute Tox.4: H314, H302

Section 4. First aid measures

4.1 Description of first aid measures

In the case of accident or if you feel unwell, seek medical advice immediately (show the label where possible). Refer to attached safety data sheets. Remove contaminated clothing and shoes.

Inhalation

Remove person to fresh air. If signs/symptoms continue, get medical attention.

Skin contact

In case of contact, immediately flush skin with plenty of water for at least 15 minutes while removing contaminated clothing and shoes. If skin irritation occurs, seek medical advice/attention.

Eye contact

Rinse thoroughly with plenty of water for at least 15 minutes and consult a physician.

Ingestion

Do NOT induce vomiting. Rinse mouth with water. If possible drink milk afterwards. Consult a physician.

4.2 Most important symptoms and effects, both acute and delayed

Corrosive to the skin. Repeated or prolonged exposure (> 45 min).

4.3 Indication of immediate medical attention and special treatment needed

If on skin, rinse well with water. If skin irritation persists, call a physician. If swallowed, DO NOT induce vomiting.

Section 5. Firefighting measures

5.1 Extinguishing media

Use extinguishing measures that are appropriate to local circumstances and the surrounding environment. Use water spray, alcohol-resistant foam, dry chemical or carbon dioxide.

Suitable extinguishing media

no data available

Extinguishing media which must not be used for safety reasons

None known.

5.2 Special hazards arising from the substance or mixture

Burning produces noxious and toxic fumes.

5.3 Advice for firefighters

Wear self contained breathing apparatus for fire fighting if necessary. Skin and body protection Avoid contact with skin. The product itself does not burn.

5.4 Specific methods

no data available

Protectcoat Concrete Remover

Section 6. Accidental release information on ingredients

6.1 Personal precautions, protective equipment and emergency procedures

Avoid breathing vapors, mist or gas. Provide adequate ventilation. Personal protective equipment comprising: suitable protective gloves, safety goggles and protective clothing Mark the contaminated area with signs and prevent access to unauthorized personnel.

6.2 Environmental precautions

Protectcoat concentrate must not be flushed into surface water or sanitary sewer system without dilution/ neutralization. The working solution might be flushed into the drain with plenty of water in normal use.

6.3 Methods and materials for containment and cleaning up

Soak up with inert absorbent material and dispose of as hazardous waste. Keep in suitable, closed containers

6.4 Reference to other sections

See also section 8 and 13

Section 7. Handling and storage

7.1 Precautions for safe handling

Avoid breathing dust or vapor. Wear personal protective equipment. Ensure adequate ventilation, especially in confined areas. Store at room temperature in the original container.

7.2 Conditions for safe storage, including any incompatibilities

Keep container tightly closed in a dry and well-ventilated place. Keep away from food and drink.

7.3 Specific end use(s) - no data available

Section 8. Exposure controls – personal protection

8.1 Control parameters

DNELs

no data available

PNECs

no data available

8.2 Exposure controls

Appropriate engineering controls

Avoid contact with skin, eyes and clothing. Remove contaminated clothing and shoes. Wash hands after handling.

Individual protection measures

Respiratory protection

In the case of vapor formation use a respirator with filter model P2, EN143 .

Hand protection

Chemical resistant gloves made of butyl rubber or nitrile rubber category III according to EN 374. Neoprene gloves.

Protectcoat Concrete Remover

Section 8. Exposure controls – personal protection

Eye/face protection
Safety Glasses
Skin protection
Personal protective equipment comprising: suitable protective gloves, safety goggles and protective clothing. Boots
Environmental exposure controls
Discharge into the environment must be avoided. Soak up with inert absorbent material and dispose of as hazardous waste.

Section 9. Physical and Chemical properties

9.1 Important Health Safety and Environmental Information

Appearance	Colorless liquid
Odor	Characteristic
Odor threshold	No data available
pH	2.99
Melting point/freezing point	< 0°C
Initial boiling point and boiling range	>100°C
Flash point	>100°C
Evaporation rate	Less than water
Flammability (solid, gas)	Not fire-sustaining
Explosive properties	Not applicable
Lower explosion limit	Not applicable
Upper explosion limit	No data available
Vapor pressure	No data available
Vapor density	1,0849 g/cm3, 21°C, (water= 0,9978 g/cm3)
Relative density	
Solubility(ies)	Miscible
Water solubility	No data available
Fat solubility (solvent - oil to be specified)	No data available
Partition coefficient: n-octanol/water	Not applicable
Auto-ignition temperature	No data available
Decomposition temperature	222 cP, 21,5°C (water= 1,4 cP)
Viscosity	No data available
Explosive properties	not oxidizing
Oxidising properties	

9.2 Other information

Surface tension: 23dyn/cm, 21,5°C (water =70,5 dyn/cm

Protectcoat Concrete Remover

Section 10. Stability and reactivity

10.1 Reactivity
Stable at normal ambient temperature and pressure.

10.2 Chemical stability
Stable under recommended storage conditions.

10.3 Possibility of hazardous reactions
No dangerous reaction known under conditions of normal use.

10.4 Conditions to avoid
No dangerous reaction known under conditions of normal use.

10.5 Incompatible materials
Strong acids and oxidizing agents.

10.6 Hazardous decomposition products
No hazardous decomposition products are known.

Section 11. Toxicological information

11.1 Information on toxicological effects
Acute toxicity
No data is available on the product itself.
Irritation and corrosion
Corrosive to the skin. Repeated or prolonged exposure (> 45 min).
Sensitisation
No sensitisation responses were observed.
Subacute, subchronic and prolonged toxicity
no data available
STOT-single exposure
no data available
STOT-repeated exposure
no data available
Aspiration hazard
no data available
Other information on acute toxicity
May be harmful by inhalation, ingestion, skin absorption.

Protectcoat Concrete Remover

Section 12. Ecological information

12.1 Toxicity

Aquatic toxicity

No data is available on the product itself.

Toxicity to other organisms

no data available

12.2 Persistence and degradability

Biodegradation

Official standardized tests: OECD 301F: readily biodegradable, 81% (28 d)

Additional tests:

Sand, 28 days: 50% Soil, 28 days: 97%Surface water, 71 days: 68% Groundwater, 71 days: 50%

Chemical degradation

CODCr = 146 g/l O2

12.3 Bio accumulative potential

Does not bio accumulate.

12.4 Mobility in soil

water-soluble

12.5 Results of PBT and vPvB assessment

no data available

12.6 Other adverse effects

no data available

Section 13. Disposal Considerations

13.1 Waste treatment methods

Dispose of as hazardous waste in compliance with local and national regulations.

Section 14. Transport Information

14.1 UN number

3265

14.2 UN proper shipping name

Corrosive liquid, acidic, organic, n.o.s.

14.3 Transport hazard class(es)

8

14.4 Packing group

III

14.5 Environmental hazards

Discharge into the environment must be avoided.

Protectcoat Concrete Remover

Section 15. Regulatory information

15.1 Safety, health and environmental regulations/legislation specific for the substance or mixture
no data available

15.2 Chemical safety assessment
no data available

Section 16. Other information

16.1 Additions, Deletions, Revisions
Version : 1.0

16.2 Key or legend to abbreviations and acronyms
- **REACH** - according to Regulation (EC) No. 1907/2006
- **CLP** - REGULATION (EC) No 1272/2008
- **DSD** - Classification and labeling according to Directive 67/548/EEC.

16.3 Key literature references and sources for data
REGULATION (EC) No 1272/2008. Skin Corrosivity Test (3D Model, OECD 431), Histola Oy Ab, date: 11.05.2012 BOD_{28} Biodegradation test (OECD 301F), date: 28.01.2013

16.4 Classification procedure
REGULATION (EC) No 1272/2008, article 9(4).

16.5 List of relevant R phrases, hazard statements, safety phrases and/or precautionary statements
R22 Harmful if swallowed.
R34 Causes burns.
H302 Harmful if swallowed.
H314 Causes severe skin burns and eye damage.

16.6 Additional information available from:
Protectcoat International
Postbus 36
5430 AA CUIJK
+31(0)85 0655797
www.protectcoatint.com

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