

SECTION 1: Identification : Product identifier and chemical identity

1.1. Product identifier

Product form : Mixture
Trade name : Concrete Safe Remover

1.2. Other means of identification

No additional information available

1.3. Recommended use of the chemical and restrictions on use

Recommended use : Cleaner / Descaler

1.4. Supplier's details

Elora Solutions Pty Ltd
15/4 Banksia Drive
Byron Bay NSW 2481
Tel (02) 6685 7513
info@elora.com.au - www.elora.com.au

1.5. Emergency phone number

Emergency number : POISON CONTROL T 13 11 26

SECTION 2: Hazards identification

2.1. Classification of the hazardous chemical

Classification according to the model Work Health and Safety Regulations (WHS Regulations)

Skin corrosion/irritation, Category 1A H314
Serious eye damage/eye irritation, Category 1 H318

2.2. Label elements

Signal word (GHS-AU) : Danger
Contains : Hydroxyacetic acid (5 - 10 %); Alcohols, C9-11, ethoxylated (< 2 %)
Hazard statements (GHS-AU) : H314 - Causes severe skin burns and eye damage
Precautionary statements (GHS-AU) : P260 - Do not breathe fume, mist, spray, vapours
P264 - Wash hands thoroughly after handling
P280 - Wear protective gloves, protective clothing, eye 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
P304+P340 - IF INHALED: remove victim to fresh air and keep at rest in a position 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
P310 - Immediately call a POISON CENTER or doctor/physician
P363 - Wash contaminated clothing before reuse

2.3. Other hazards not contributing to the classification

No additional information available

SECTION 3: Composition/information on ingredients

Name	CAS-No.	Compound type	%	Classification according to the model Work Health and Safety Regulations (WHS Regulations)
Urea, monohydrochloride	506-89-8		15 - 30	Skin Irrit. 2, H315 Eye Irrit. 2A, H319
Hydroxyacetic acid	79-14-1		5 - 10	Acute Tox. 4 (Inhalation), H332 Skin Corr. 1A, H314 Eye Dam. 1, H318
Alcohols, C9-11, ethoxylated	68439-46-3		< 2	Acute Tox. 4 (Oral), H302 Eye Dam. 1, H318

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according to the Model Work Health and Safety Regulations

H319	Causes serious eye irritation
H332	Harmful if inhaled

SDS Australia

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

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Portable tank and bulk container instructions (ADG) : T7
Portable tank and bulk container special provisions (ADG) : TP1, TP28

Transport by sea

UN-No. (IMDG) : 1760
Special provisions (IMDG) : 223, 274
Limited quantities (IMDG) : 5 L
Excepted quantities (IMDG) : E1
Packing instructions (IMDG) : P001, LP01
IBC packing instructions (IMDG) : IBC03
Tank instructions (IMDG) : T7
Tank special provisions (IMDG) : TP1, TP28
EmS-No. (Fire) : F-A - FIRE SCHEDULE Alfa - GENERAL FIRE SCHEDULE
EmS-No. (Spillage) : S-B - SPILLAGE SCHEDULE Bravo - CORROSIVE SUBSTANCES
Stowage category (IMDG) : A
Properties and observations (IMDG) : Causes burns to skin, eyes and mucous membranes.

Air transport

UN-No. (IATA) : 1760
PCA Excepted quantities (IATA) : E1
PCA Limited quantities (IATA) : Y841
PCA limited quantity max net quantity (IATA) : 1L
PCA packing instructions (IATA) : 852
PCA max net quantity (IATA) : 5L
CAO packing instructions (IATA) : 856
CAO max net quantity (IATA) : 60L
Special provisions (IATA) : A3
ERG code (IATA) : 8L

14.8. Hazchem or Emergency Action Code

Hazchemcode : 2X

SECTION 15: Regulatory information

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

No additional information available

15.2. International agreements

No additional information available

SECTION 16: Any other relevant information

Sources of Key data : SDS - Safety Data Sheet.

Other information : None.

Classification:

Skin Corr. 1C	H314
Eye Dam. 1	H318

Full text of H-statements:

Acute Tox. 3 (Inhalation)	Acute toxicity (inhal.), Category 3
Acute Tox. 4 (Inhalation)	Acute toxicity (inhal.), Category 4
Acute Tox. 4 (Oral)	Acute toxicity (oral), Category 4
Eye Dam. 1	Serious eye damage/eye irritation, Category 1
Eye Irrit. 2A	Serious eye damage/eye irritation, Category 2A
Skin Corr. 1C	Skin corrosion/irritation, Category 1C
Skin Irrit. 2	Skin corrosion/irritation, Category 2
H302	Harmful if swallowed
H314	Causes severe skin burns and eye damage
H315	Causes skin irritation
H318	Causes serious eye damage

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Ecology - waste materials : Avoid release to the environment.

SECTION 14: Transport information

14.1. UN number

UN-No. (ADG) : 1760
UN-No. (IMDG) : 1760
UN-No. (IATA) : 1760

14.2. Proper Shipping Name - Addition

Proper Shipping Name (ADG) : CORROSIVE LIQUID, N.O.S.
Proper Shipping Name (IMDG) : CORROSIVE LIQUID, N.O.S.
Proper Shipping Name (IATA) : Corrosive liquid, n.o.s.

14.3. Transport hazard class(es)

ADG

Transport hazard class(es) (ADG) : 8
Danger labels (ADG) : 8



IMDG

Transport hazard class(es) (IMDG) : 8
Danger labels (IMDG) : 8



IATA

Transport hazard class(es) (IATA) : 8
Hazard labels (IATA) : 8



14.4. Packing group

Packing group (ADG) : III
Packing group (IMDG) : III
Packing group (IATA) : III

14.5. Environmental hazards

Marine pollutant : No

14.6. Special precautions for user

Specific storage requirement : No data available
Shock sensitivity : No data available

14.7. Additional information

Other information : No supplementary information available

Transport by road and rail

UN-No. (ADG) : 1760
Special provision (ADG) : 223, 274
Limited quantities (ADG) : 5I
Packing instructions (ADG) : P001, IBC03, LP01

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Skin corrosion/irritation	: Causes severe skin burns and eye damage. pH: < 2
Serious eye damage/irritation	: Causes serious eye damage. pH: < 2
Respiratory or skin sensitisation	: Not classified (Based on available data, the classification criteria are not met)
Germ cell mutagenicity	: Not classified (Based on available data, the classification criteria are not met)
Carcinogenicity	: Not classified (Based on available data, the classification criteria are not met)
Reproductive toxicity	: Not classified (Based on available data, the classification criteria are not met)
STOT-single exposure	: Not classified (Based on available data, the classification criteria are not met)
STOT-repeated exposure	: Not classified (Based on available data, the classification criteria are not met)
Aspiration hazard	: Not classified (Based on available data, the classification criteria are not met)

SECTION 12: Ecological information

According to the National Code of Practice for the Preparation of Material Safety Data Sheets, Environmental classification information is not mandatory. Information relevant for GHS classification is available on request

12.1. Ecotoxicity

Ecology - general	: The product components are not classified as environmentally hazardous. However, this does not exclude the possibility that large or frequent spills can have a harmful or damaging effect on the environment.
Acute aquatic toxicity	: Not classified
Chronic aquatic toxicity	: Not classified
Other information	: Avoid release to the environment.

Hydroxyacetic acid (79-14-1)

LC50 fish 1	> 5000 mg/l (Exposure time: 96 h - Species: Brachydanio rerio [static])
Log Pow	-1.11 (at 19 °C)

12.2. Persistence and degradability

Concrete Safe Remover

Persistence and degradability	Not established.
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12.3. Bioaccumulative potential

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Bioaccumulative potential	Not established.
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Hydroxyacetic acid (79-14-1)

Log Pow	See section 12.1 on ecotoxicology
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12.4. Mobility in soil

Hydroxyacetic acid (79-14-1)

Log Pow	See section 12.1 on ecotoxicology
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12.5. Other adverse effects

Ozone	: Not classified
Other adverse effects	: No additional information available

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Fluorinated greenhouse gases	False
GWPmix comment	No known effects from this product.

Hydroxyacetic acid (79-14-1)

Fluorinated greenhouse gases	False
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Alcohols, C9-11, ethoxylated (68439-46-3)

Fluorinated greenhouse gases	False
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Urea, monohydrochloride (506-89-8)

Fluorinated greenhouse gases	False
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SECTION 13: Disposal considerations

Product/Packaging disposal recommendations	: Dispose of contents/container to comply with applicable local, national and international regulation.
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Safety Data Sheet

according to the Model Work Health and Safety Regulations

SECTION 8: Exposure controls/personal protection

8.1. Control parameters - exposure standards

No additional data available.

Exposure limit values for the other components

No additional data available.

8.2. Monitoring

No additional information available

8.3. Appropriate engineering controls

Appropriate engineering controls : Provide local exhaust or general room ventilation to minimize vapour concentrations. Emergency eye wash fountains and safety showers should be available in the immediate vicinity of any potential exposure.

8.4. Personal protective equipment

Hand protection : Impermeable protective gloves
Eye protection : Chemical goggles/glasses or face shield
Skin and body protection : Wear suitable protective clothing
Other information : Do not eat, drink or smoke during use.

9.1. SECTION 9: Physical and chemical properties

Physical state : Liquid
Colour : Amber
Odour : Characteristic
Odour threshold : No data available
pH : < 2
Relative evaporation rate (butylacetate=1) : No data available
Melting point / Freezing point : No data available
Boiling point : No data available
Flash point : No data available
Auto-ignition temperature : No data available
Flammability (solid, gas) : No data available
Vapour pressure : No data available
Relative density : No data available
Specific gravity : 1.09
Solubility : No data available
Log Pow : No data available
Viscosity : No data available
Explosive properties : No data available
Explosive limits : No data available
Minimum ignition energy : No data available
Fat solubility : No data available

10.1. SECTION 10: Stability and reactivity

Reactivity : None known under normal conditions of use.
Chemical stability : Stable under normal conditions.
Possibility of hazardous reactions : Hazardous polymerization will not occur.
Conditions to avoid : Extremely high or low temperatures.
Incompatible materials : Strong oxidizing agents.
Hazardous decomposition products : Thermal decomposition generates : Corrosive vapours.

11.1. SECTION 11: Toxicological information

Likely routes of exposure : Ingestion. Inhalation. Skin and eyes contact
Acute toxicity (oral) : Not classified (Based on available data, the classification criteria are not met)
Acute toxicity (dermal) : Not classified (Based on available data, the classification criteria are not met)
Acute toxicity (inhalation) : Not classified (Based on available data, the classification criteria are not met)

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according to the Model Work Health and Safety Regulations

* Exact percentages may vary or are proprietary. Concentration range is provided to assist users in providing appropriate protections.

SECTION 4: First aid measures

4.1. Description of first aid measures

- First-aid measures after inhalation : Remove victim to fresh air and keep at rest in a position comfortable for breathing. Immediately call a POISON CENTER or doctor/physician.
- First-aid measures after skin contact : Remove/Take off immediately all contaminated clothing. Rinse skin with water/shower. Immediately call a POISON CENTER or doctor/physician.
- First-aid measures after eye contact : Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. Immediately call a POISON CENTER or doctor/physician.
- First-aid measures after ingestion : Rinse mouth. Do NOT induce vomiting. Immediately call a POISON CENTER or doctor/physician.

4.2. Symptoms caused by exposure

- Symptoms/effects after inhalation : Possible respiratory damage following repeated or prolonged inhalation.
- Symptoms/effects after skin contact : Causes severe burns.
- Symptoms/effects after eye contact : Causes serious eye damage.
- Symptoms/effects after ingestion : May be harmful if swallowed. May cause irritation to the digestive tract.

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

- Note to physician : Treat symptomatically.

SECTION 5: Firefighting measures

5.1. Extinguishing media

- Suitable extinguishing media : Use extinguishing media appropriate for surrounding fire.
- Unsuitable extinguishing media : None known.

5.2. Special hazards arising from the substance or mixture

- Fire hazard : Minimal fire hazard. Hazardous decomposition products: Corrosive vapours.
- Explosion hazard : None known.

5.3. Special protective equipment and precautions for fire-fighters

- Firefighting instructions : Use water spray or fog for cooling exposed containers. Exercise caution when fighting any chemical fire. Prevent fire fighting water from entering the environment.
- Protective equipment for firefighters : Do not enter fire area without proper protective equipment, including respiratory protection.
- Hazchemcode : 2X

SECTION 6: Accidental release measures

6.1. Personal precautions, protective equipment and emergency procedures

6.1.1. For non-emergency personnel

- Emergency procedures : Evacuate unnecessary personnel.

6.1.2. For emergency responders

- Protective equipment : Equip cleanup crew with proper protection.
- Emergency procedures : Ventilate area.

6.2. Environmental precautions

Prevent entry to sewers and public waters. Notify authorities if liquid enters sewers or public waters.

6.3. Methods and material for containment and cleaning up

- Methods for cleaning up : Soak up spills with inert solids, such as clay or diatomaceous earth as soon as possible. Collect spillage.

SECTION 7: Handling and storage, including how the chemical may be safely used

7.1. Precautions for safe handling

- Precautions for safe handling : Provide good ventilation in process area to prevent formation of vapour. Do not breathe fume, mist, spray, vapours.
- Hygiene measures : Wash hands thoroughly after handling. Handle in accordance with good industrial hygiene and safety practice.

7.2. Conditions for safe storage, including any incompatibilities

- Technical measures : Comply with applicable regulations.
- Storage conditions : Keep only in the original container in a cool, well ventilated place away from : Incompatible materials. Keep container closed when not in use.
- Incompatible materials : Strong oxidizing agents.