

CreteBeater

SAFETY DATA SHEET

CreteBeater® Liquid, Ready to use

According to Regulation (EC) No 1907/2006, Annex II, as amended by Regulation (EU) No 453/2010

SECTION 1: Identification of the substance/mixture and of the company/undertaking

1.1. Product identifier

Product name CreteBeater® Liquid, Ready to use

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

Identified uses Concrete removal.

Uses advised against No specific uses advised against are identified.

1.3. Details of the supplier of the safety data sheet

Supplier AccurA Diamond Tools Ltd,
Unit 69 Parkwest Enterprise Centre,
Lavery Avenue, Parkwest,
Dublin 12, Ireland
+353 1 6105055
info@accura.ie

1.4. Emergency telephone number

Emergency telephone +353 (0) 6105055 (Mon-Fri, 09:00 - 17:00)

SECTION 2: Hazards identification

2.1. Classification of the substance or mixture

Classification

Physical hazards

Not Classified

Health hazards

Skin Corr. 1B - H314 Eye Dam. 1 - H318

Environmental hazards

Not Classified

Classification (67/548/EEC or 1999/45/EC)

C; R34

2.2. Label elements

Pictogram



Signal word Danger

Hazard statements

H314 Causes severe skin burns and eye damage.

Precautionary statements

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P102 Keep out of reach of children.

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/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.

P310 Immediately call a POISON CENTER/doctor.

P501 Dispose of contents/container in accordance with national regulations.

Contains

glycollic acid, ethoxyl-propoxyl terpene, Alcohols, C10-12, ethoxylated propoxylated

Detergent labelling

< 5% non-ionic surfactants

Supplementary precautionary statements

P260 Do not breathe vapour/spray.

P264 Wash contaminated skin thoroughly after handling.

P304+P340 IF INHALED: Remove person to fresh air and keep comfortable for breathing.

P321 Specific treatment (see medical advice on this label).

P363 Wash contaminated clothing before reuse.

P405 Store locked up.

2.3. Other hazards

This product does not contain any substances classified as PBT or vPvB.

SECTION 3: Composition/information on ingredients**3.2. Mixtures**

Water CAS number: 7732-18-5 EC number: 231-791-2	50 - 100%
Classification Not Classified	Classification (67/548/EEC or 1999/45/EC) -
glycollic acid CAS number: 79-14-1 EC number: 201-180-5	10 - <25%
Classification Acute Tox. 4 - H302 Skin Corr. 1B - H314 Eye Dam. 1 - H318	Classification (67/548/EEC or 1999/45/EC) Xn; R22. C; R34
ethoxyl-propoxyl terpene CAS number: 174955-61-4 EC number: —	1 - <2.5%
Classification Acute Tox. 4 - H302 Eye Dam. 1 - H318	Classification (67/548/EEC or 1999/45/EC) Xn; R22. Xi; R41
Alcohols, C10-12, ethoxylated propoxylated CAS number: 68154-97-2 EC number: —	1 - <2.5%
Classification Acute Tox. 4 - H302 Eye Dam. 1 - H318	Classification (67/548/EEC or 1999/45/EC) Xn; R22. Xi; R41

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The Full Text for all R-Phrases and Hazard Statements are Displayed in Section 16.

SECTION 4: First aid measures

4.1. Description of first aid measures

General information

Chemical burns must be treated by a physician.

Inhalation

If spray/mist has been inhaled, proceed as follows. Move affected person to fresh air and keep warm and at rest in a position comfortable for breathing. Get medical attention.

Ingestion

Rinse nose and mouth with water. Give plenty of water to drink. Never give anything by mouth to an unconscious person. Do not induce vomiting unless under the direction of medical personnel. Get medical attention.

Skin contact

Remove contaminated clothing immediately and wash skin with soap and water. Continue to rinse. Get medical attention.

Eye contact

Remove any contact lenses and open eyelids wide apart. Rinse immediately with plenty of water. Continue to rinse for at least 15 minutes and get medical attention.

Protection of first aiders

First aid personnel should wear appropriate protective equipment during any rescue.

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

General information

The severity of the symptoms described will vary dependent on the concentration and the length of exposure.

Inhalation

Severe irritation of nose and throat.

Ingestion

This product is corrosive. May cause chemical burns in mouth, oesophagus and stomach.

Skin contact

Corrosive to skin and eyes. Causes burns.

Eye contact

This product is corrosive. Causes serious eye damage.

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

Notes for the doctor

Treat symptomatically.

SECTION 5: Firefighting measures

5.1. Extinguishing media

Suitable extinguishing media

Extinguish with alcohol-resistant foam, carbon dioxide, dry powder or water fog.

Unsuitable extinguishing media

Do not use water jet as an extinguisher, as this will spread the fire.

5.2. Special hazards arising from the substance or mixture

Hazardous combustion products

Thermal decomposition or combustion products may include the following substances: Toxic and corrosive gases or vapours. Carbon dioxide (CO₂). Carbon monoxide (CO).

5.3. Advice for firefighters

Protective actions during firefighting

Cool containers exposed to heat with water spray and remove them from the fire area if it can be done without risk. Fight fire from safe distance or protected location. Avoid breathing fire gases or vapours.

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Special protective equipment for firefighters

Wear positive-pressure self-contained breathing apparatus (SCBA) and appropriate protective clothing.

SECTION 6: Accidental release measures

6.1. Personal precautions, protective equipment and emergency procedures

Personal precautions

Wear protective clothing as described in Section 8 of this safety data sheet. Avoid contact with skin and eyes.

6.2. Environmental precautions

Environmental precautions

Avoid release to the environment.

6.3. Methods and material for containment and cleaning up

Methods for cleaning up

Wear protective clothing as described in Section 8 of this safety data sheet. Stop leak if safe to do so. Neutralise spilled material with crushed limestone, slaked lime (calcium hydroxide), soda ash (sodium carbonate) or sodium bicarbonate. Absorb spillage with non-combustible, absorbent material. Collect spillage. Containers with collected spillage must be properly labelled with correct contents and hazard symbol. Dispose of contents/container in accordance with national regulations.

6.4. Reference to other sections

Reference to other sections

For personal protection, see Section 8. See Section 11 for additional information on health hazards. See Section 12 for additional information on ecological hazards. For waste disposal, see Section 13.

SECTION 7: Handling and storage

7.1. Precautions for safe handling

Usage precautions

Read and follow manufacturer's recommendations. Wear appropriate clothing to prevent any possibility of skin contact.

Advice on general occupational hygiene

Provide eyewash station and safety shower. When using do not eat, drink or smoke. Promptly remove any clothing that becomes wet or contaminated. Wash promptly with soap and water if skin becomes contaminated. Wash contaminated clothing before reuse.

7.2. Conditions for safe storage, including any incompatibilities

Storage precautions

Store in tightly-closed, original container in a dry, cool and well-ventilated place. May be corrosive to metals. Protect from sunlight. Store at temperatures between 5°C and 35°C.

Storage class

Corrosive storage.

7.3. Specific end use(s)

Specific end use(s)

The identified uses for this product are detailed in Section 1.2.

SECTION 8: Exposure Controls/personal protection

8.1. Control parameters

Occupational exposure limits

Ingredient comments

No exposure limits known for ingredient(s).

8.2. Exposure controls

Protective equipment

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Appropriate engineering controls

Provide adequate ventilation.

Eye/face protection

Wear tight-fitting, chemical splash goggles or face shield.

Hand protection

Chemical-resistant, impervious gloves complying with an approved standard should be worn if a risk assessment indicates skin contact is possible. The most suitable glove should be chosen in consultation with the glove supplier/manufacturer, who can provide information about the breakthrough time of the glove material. Considering the data specified by the glove manufacturer, check during use that the gloves are retaining their protective properties and change them as soon as any deterioration is detected.

Other skin and body protection

Wear appropriate clothing to prevent skin contamination.

Hygiene measures

Provide eyewash station and safety shower. Wash promptly if skin becomes contaminated. Wash contaminated clothing before reuse. Do not eat, drink or smoke when using this product.

Respiratory protection

If ventilation is inadequate, suitable respiratory protection must be worn.

Environmental exposure controls

Keep container tightly sealed when not in use.

SECTION 9: Physical and Chemical Properties

9.1. Information on basic physical and chemical properties

Appearance

Liquid.

Colour

Clear. to Amber.

Odour

Not known.

Odour threshold

Not available.

pH

pH (concentrated solution): 2.2-3.2

Melting point

Not relevant.

Initial boiling point and range

Not available.

Flash point

Not available.

Evaporation rate

Not available.

Evaporation factor

Not available.

Flammability (solid, gas)

Not available.

Upper/lower flammability or explosive limits

Not available.

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Vapour pressure

Not available.

Vapour density

Not available.

Relative density

1.08

Solubility(ies)

Soluble in water.

Partition coefficient

Not available.

Auto-ignition temperature

Not available.

Decomposition Temperature

Not available.

Viscosity

Not available.

Explosive properties

Not considered to be explosive.

Oxidising properties

Does not meet the criteria for classification as oxidising.

9.2. Other information

Other information

No information required.

SECTION 10: Stability and reactivity

10.1. Reactivity

See the other subsections of this section for further details.

10.2. Chemical stability

Stability

Stable under the prescribed storage conditions.

10.3. Possibility of hazardous reactions

The following materials may react with the product: Alkalis. Some metals.

10.4. Conditions to avoid

Avoid excessive heat for prolonged periods of time. Avoid freezing.

10.5. Incompatible materials

Materials to avoid

Alkalis. Some metals.

10.6. Hazardous decomposition products

Does not decompose when used and stored as recommended.

SECTION 11: Toxicological information

11.1. Information on toxicological effects

Acute toxicity - oral

Notes (oral LD50)

Based on available data the classification criteria are not met.

ATE oral (mg/kg)

3,605.91216151

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Acute toxicity - dermal

Notes (dermal LD50)

Based on available data the classification criteria are not met.

Acute toxicity - inhalation

Notes (inhalation LC50)

Based on available data the classification criteria are not met.

Skin corrosion/irritation

Animal data

Corrosive to skin.

Serious eye damage/irritation

Corrosive to skin. Corrosivity to eyes is assumed.

Respiratory sensitisation

Based on available data the classification criteria are not met.

Skin sensitisation

Based on available data the classification criteria are not met.

Germ cell mutagenicity

Genotoxicity - in vitro

Based on available data the classification criteria are not met.

Carcinogenicity

Based on available data the classification criteria are not met.

Reproductive toxicity

Reproductive toxicity - fertility

Based on available data the classification criteria are not met.

Reproductive toxicity - development

Based on available data the classification criteria are not met.

Specific target organ toxicity - single exposure

STOT - single exposure

Based on available data the classification criteria are not met.

Specific target organ toxicity - repeated exposure

STOT - repeated exposure

Based on available data the classification criteria are not met.

Aspiration hazard

Not anticipated to present an aspiration hazard, based on chemical structure.

Toxicological information on ingredients.

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glycollic acid

Acute toxicity - oral

Notes (oral LD50)

Harmful if swallowed.

ATE oral (mg/kg)

500.0

Acute toxicity - inhalation

Notes (inhalation LC50)

>5 mg/L Rat REACH dossier information. Based on available data the classification criteria are not met.

Skin corrosion/irritation

Animal data

Dose: 0.5g, 1 hour, Rabbit Corrosive to skin. REACH dossier information.

Serious eye damage/irritation

Corrosive to skin. Corrosivity to eyes is assumed.

Skin sensitisation

Buehler test - Guinea pig: Not sensitising. REACH dossier information. Based on available data the classification criteria are not met.

Germ cell mutagenicity

Genotoxicity - in vitro

Gene mutation: Negative. REACH dossier information. Based on available data the classification criteria are not met.

Genotoxicity - in vivo

Micronucleus assay: Negative. REACH dossier information. Based on available data the classification criteria are not met.

Carcinogenicity

NOAEL 10 %, Dermal, Mouse REACH dossier information. Based on available data the classification criteria are not met.

Reproductive toxicity

Reproductive toxicity - fertility

One-generation study - NOAEL 600 mg/kg/day, Oral, Rat P REACH dossier information. Based on available data the classification criteria are not met.

Reproductive toxicity - development

Embryotoxicity:, Fetotoxicity:, Maternal toxicity: - NOAEL: 150 mg/kg/day, Oral, Rat REACH dossier information. Based on available data the classification criteria are not met.

Specific target organ toxicity - repeated exposure

STOT - repeated exposure

NOEL 150 mg/kg/day, Oral, Rat REACH dossier information. Based on available data the classification criteria are not met.

ethoxyl-propoxyl terpene

Acute toxicity - oral

Notes (oral LD50)

Harmful if swallowed.

ATE oral (mg/kg)

500.0

Skin corrosion/irritation

Animal data

Corrosive to skin.

Serious eye damage/irritation

Corrosive to skin. Corrosivity to eyes is assumed.

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Alcohols, C10-12, ethoxylated propoxylated

Acute toxicity - oral

Acute toxicity oral (LD50 mg/kg)

940.0

Species

Rat

Notes (oral LD50)

Harmful if swallowed. Raw material suppliers' information.

ATE oral (mg/kg)

940.0

Serious eye damage/irritation

Causes serious eye damage.

SECTION 12: Ecological Information

12.1. Toxicity

The product may affect the acidity (pH) of water which may have hazardous effects on aquatic organisms.

Ecological information on ingredients.

glycollic acid

Acute toxicity - fish

LC₅₀, 96 hours: 164 mg/l, Pimephales promelas (Fat-head Minnow)

Acute toxicity - aquatic invertebrates

EC₅₀, 48 hours: 141 mg/l, Daphnia magna

Acute toxicity - aquatic plants

EC₅₀, 72 hours: 22.5 mg/l, Selenastrum capricornutum

ethoxyl-propoxyl terpene

Acute toxicity - aquatic invertebrates

EC₅₀, 48 hours: >100 mg/l, Daphnia magna

Alcohols, C10-12, ethoxylated propoxylated

Acute toxicity - aquatic invertebrates

EC₅₀, 48 hours: 12 mg/l, Daphnia magna

12.2. Persistence and degradability

Persistence and degradability

The surfactant(s) contained in this product complies(comply) with the biodegradability criteria as laid down in Regulation (EC) No. 648/2004 on detergents.

CreteBeater® Liquid, Ready to use

Ecological information on ingredients.

glycollic acid

Persistence and degradability

The product is readily biodegradable.

Stability (hydrolysis)

pH4 - Recovery 113%: 5 days @ 50°C pH7 - Recovery 94%: 5 days @ 50°C pH9 - Recovery 114%: 5 days @ 50°C

Biodegradation

Water - Degradation 78%: 11 days

ethoxyl-propoxyl terpene

Persistence and degradability

This surfactant complies with the biodegradability criteria as laid down in Regulation (EC) No. 648/2004 on detergents.

Biodegradation

Water - Degradation 64%: 28 days

Alcohols, C10-12, ethoxylated propoxylated

Persistence and degradability

This surfactant complies with the biodegradability criteria as laid down in Regulation (EC) No. 648/2004 on detergents.

Biodegradation

Water - Degradation 93%: 28 days

12.3. Bioaccumulative potential

No data available on bioaccumulation.

Partition coefficient

Not available.

Ecological information on ingredients.

glycollic acid

No data available on bioaccumulation.

Partition coefficient

log Pow: < 0.3

ethoxyl-propoxyl terpene

No data available on bioaccumulation.

Alcohols, C10-12, ethoxylated propoxylated

No data available on bioaccumulation.

12.4. Mobility in soil

Mobility

The product is soluble in water.

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Ecological information on ingredients.

glycollic acid

Mobility

The product is soluble in water.

Adsorption/desorption coefficient

Soil - log Koc: < 1.4 @ 25°C

Henry's law constant

0.000104 Pa m³/mol @ 25°C

Surface tension

57 mN/m @ 20°C 70% solution

ethoxyl-propoxyl terpene

Mobility

The product is soluble in water.

Alcohols, C10-12, ethoxylated propoxylated

Mobility

Mobile.

12.5. Results of PBT and vPvB assessment

This product does not contain any substances classified as PBT or vPvB.

Ecological information on ingredients.

glycollic acid

This substance is not classified as PBT or vPvB according to current EU criteria.

ethoxyl-propoxyl terpene

This substance is not classified as PBT or vPvB according to current EU criteria.

Alcohols, C10-12, ethoxylated propoxylated

This substance is not classified as PBT or vPvB according to current EU criteria.

12.6. Other adverse effects

SECTION 13: Disposal considerations

13.1. Waste treatment methods

General information

The packaging must be empty (drop-free when inverted). Care should be taken when handling emptied containers that have not been thoroughly cleaned or rinsed out. When handling waste, the safety precautions applying to handling of the product should be considered.

Disposal methods

Dispose of contents/container in accordance with national regulations.

SECTION 14: Transport information

14.1. UN number

UN No. (ADR/RID)	3265
UN No. (IMDG)	3265
UN No. (ICAO)	3265
UN No. (ADN)	3265

14.2. UN proper shipping name

Proper shipping name (ADR/RID)	CORROSIVE LIQUID, ACIDIC, ORGANIC, N.O.S. (GLYCOLLIC ACID)
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CreteBeater® Liquid, Ready to use

Proper shipping name (IMDG) CORROSIVE LIQUID, ACIDIC, ORGANIC, N.O.S. (GLYCOLLIC ACID)

Proper shipping name (ICAO) CORROSIVE LIQUID, ACIDIC, ORGANIC, N.O.S. (GLYCOLLIC ACID)

Proper shipping name (ADN) CORROSIVE LIQUID, ACIDIC, ORGANIC, N.O.S. (GLYCOLLIC ACID)

14.3. Transport hazard class(es)

ADR/RID class 8
ADR/RID classification code C3
ADR/RID label 8
IMDG class 8
ICAO class/division 8
ADN class 8

Transport labels



14.4. Packing group

ADR/RID packing group II
IMDG packing group II
ICAO packing group II
ADN packing group II

14.5. Environmental hazards

Environmentally hazardous substance/marine pollutant

No.

14.6. Special precautions for user

EmS F-A, S-B
ADR transport category 2
Emergency Action Code 2X
Hazard Identification Number (ADR/RID) 80
Tunnel restriction code (E)

14.7. Transport in bulk according to Annex II of MARPOL73/78 and the IBC Code

Not relevant.

SECTION 15: Regulatory information

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

National regulations

The Carriage of Dangerous Goods and Use of Transportable Pressure Equipment Regulations 2009 (SI 2009 No. 1348) (as amended) ["CDG 2009"]. EH40/2005 Workplace exposure limits.

EU legislation

Regulation (EC) No 1272/2008 of the European Parliament and of the Council of 16 December 2008 on classification, labelling and packaging of substances and mixtures (as amended). Regulation (EC) No 1907/2006 of the European Parliament and of the Council of 18 December 2006 concerning the Registration, Evaluation, Authorisation and Restriction of Chemicals (REACH) (as amended).

15.2. Chemical safety assessment

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No chemical safety assessment has been carried out.

SECTION 16: Other information

Revision comments

This is first issue.

Revision date 09/10/2014

SDS number 1788

Risk phrases in full

R22 Harmful if swallowed.

R34 Causes burns.

R41 Risk of serious damage to eyes.

Hazard statements in full

H302 Harmful if swallowed.

H314 Causes severe skin burns and eye damage.

H318 Causes serious eye damage.