



SAFETY DATA SHEET

CreteBeater® Liquid, Ready to use, Civil Works

According to Regulation (EC) No 1907/2006, Annex II, as amended. Commission Regulation (EU) No 2015/830 of 28 May 2015.

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

1.1. Product identifier

Product name CreteBeater® Liquid, Ready to use, Civil Works

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 Addax International Limited
Unit 4C, The Hollows
Winslow Road
Little Horwood
Buckinghamshire
MK17 0PD
United Kingdom +44 (0)207
099 6270 info@addax-
international.com

1.4. Emergency telephone number

Emergency telephone +44 (0)207 099 6270 (Mon-Fri, 09:00 - 17:00)

SECTION 2: Hazards identification

2.1. Classification of the substance or mixture Classification (EC 1272/2008)

Physical hazards Not Classified
Health hazards Skin Corr. 1B - H314 Eye Dam. 1 - H318
Environmental hazards Not Classified

2.2. Label elements

Pictogram



Signal word Danger

Hazard statements H314 Causes severe skin burns and eye damage.

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Precautionary statements	<p>P102 Keep out of reach of children.</p> <p>P280 Wear protective gloves/ protective clothing/ eye protection/ face protection.</p> <p>P301+P330+P331 IF SWALLOWED: Rinse mouth. Do NOT induce vomiting.</p> <p>P303+P361+P353 IF ON SKIN (or hair): Take off immediately all contaminated clothing.</p> <p>Rinse skin with water or shower.</p> <p>P305+P351+P338 IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.</p> <p>P310 Immediately call a POISON CENTER/ doctor.</p> <p>P501 Dispose of contents/ container in accordance with national regulations.</p>
Detergent labelling	< 5% non-ionic surfactants
Contains	Glycollic acid, Ethoxyl-propoxyl terpene, Alcohols, C10-12, ethoxylated propoxylated
Supplementary precautionary statements	<p>P260 Do not breathe vapour/ spray.</p> <p>P264 Wash contaminated skin thoroughly after handling.</p> <p>P304+P340 IF INHALED: Remove person to fresh air and keep comfortable for breathing.</p> <p>P321 Specific treatment (see medical advice on this label).</p> <p>P363 Wash contaminated clothing before reuse.</p> <p>P405 Store locked up.</p>

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

Glycollic acid CAS number: 79-14-1 EC number: 201-180-5	10 - <25%
Classification Acute Tox. 4 - H332 Skin Corr. 1B - H314 Eye Dam. 1 - H318	
Ethoxyl-propoxyl terpene CAS number: 174955-61-4	1 - <2.5%
Classification Acute Tox. 4 - H302 Eye Dam. 1 - H318	
Alcohols, C10-12, ethoxylated propoxylated CAS number: 68154-97-2	1 - <2.5%

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Classification
Acute Tox. 4 - H302
Eye Dam. 1 - H318

The full text for all hazard statements is 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.
Special protective equipment protective for firefighters	Wear positive-pressure self-contained breathing apparatus (SCBA) and appropriate clothing.

SECTION 6: Accidental release measures

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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

Ingredient comments No exposure limits known for ingredient(s).

8.2. Exposure controls

Protective equipment



Appropriate engineering controls Provide adequate ventilation.

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

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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.
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.

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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

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

Possibility of hazardous reactions The following materials may react with the product: Alkalis.

10.4. Conditions to avoid

Conditions to avoid Avoid excessive heat for prolonged periods of time. Avoid freezing.

10.5. Incompatible materials

Materials to avoid Alkalis. Some metals. Strong oxidising agents.

10.6. Hazardous decomposition products

Hazardous decomposition Does not decompose when used and stored as recommended. products

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) 26,155.87

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.

ATE inhalation (dusts/mists mg/l) 30.11

Skin corrosion/irritation

Animal data Corrosive to skin.

Serious eye damage/irritation

Serious eye damage/irritation Corrosive to skin. Corrosivity to eyes is assumed.

Respiratory sensitisation

Respiratory sensitisation Based on available data the classification criteria are not met.

Skin sensitisation

Skin sensitisation Based on available data the classification criteria are not met.

Germ cell mutagenicity

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Genotoxicity - in vitro Based on available data the classification criteria are not met.

Carcinogenicity

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

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

Toxicological information on ingredients.

Glycollic acid

Acute toxicity - oral

Notes (oral LD₅₀) LD₅₀ >2000 mg/kg, Oral, Rat REACH dossier information. Based on available data the classification criteria are not met.

Acute toxicity - inhalation

Acute toxicity inhalation 3.6
(LC₅₀ dust/mist mg/l)

Species Rat

Notes (inhalation LC₅₀) REACH dossier information. Harmful if inhaled.

ATE inhalation 3.6
(dusts/mists mg/l)

Skin corrosion/irritation

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

Serious eye damage/irritation

Serious eye Corrosive to skin. Corrosivity to eyes is assumed.
damage/irritation

Skin sensitisation

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

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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 terpeneAcute toxicity - oral

Notes (oral LD₅₀) Harmful if swallowed.

ATE oral (mg/kg) 500.0

Serious eye damage/irritation

Serious eye damage/irritation Causes serious eye damage.

Alcohols, C10-12, ethoxylated propoxylatedAcute 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

Serious eye damage/irritation Causes serious eye damage. damage/irritation

SECTION 12: Ecological Information12.1. Toxicity

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

Ecological information on ingredients.Glycollic acid

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

Acute aquatic toxicity

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

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Acute toxicity - aquatic plants EC₅₀, 72 hours: 22.5 mg/l, *Selenastrum capricornutum*

Ethoxyl-propoxyl terpene

Toxicity

Aquatic toxicity is unlikely to occur. Based on available data the classification criteria are not met.

Acute aquatic toxicity

Acute toxicity - aquatic EC₅₀, 48 hours: >100 mg/l, *Daphnia magna* invertebrates

Alcohols, C10-12, ethoxylated propoxylated

Toxicity

Based on available data the classification criteria are not met.

Acute aquatic toxicity

Acute toxicity - aquatic EC₅₀, 48 hours: 12 mg/l, *Daphnia magna* invertebrates

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.

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

Bioaccumulative potential No data available on bioaccumulation.

Partition coefficient Not available.

Ecological information on ingredients.Glycollic acid

Bioaccumulative potential No data available on bioaccumulation.

Partition coefficient log Pow: < 0.3

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Ethoxyl-propoxyl terpene

Bioaccumulative potential No data available on bioaccumulation.

Alcohols, C10-12, ethoxylated propoxylated

Bioaccumulative potential No data available on bioaccumulation.

12.4. Mobility in soil

Mobility The product is soluble in water.

Ecological information on ingredients.

Glycollic acid

Mobility The product is soluble in water.

Adsorption/desorption coefficient Water - 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

Results of PBT and vPvB This product does not contain any substances classified as PBT or vPvB. assessment

Ecological information on ingredients.

Glycollic acid

Results of PBT and vPvB assessment This substance is not classified as PBT or vPvB according to current EU criteria.

Ethoxyl-propoxyl terpene

Results of PBT and vPvB assessment This substance is not classified as PBT or vPvB according to current EU criteria.

Alcohols, C10-12, ethoxylated propoxylated

Results of PBT and vPvB assessment This substance is not classified as PBT or vPvB according to current EU criteria.

12.6. Other adverse effects

Other adverse effects None known.

SECTION 13: Disposal considerations

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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	CORROSIVE LIQUID, ACIDIC, ORGANIC, N.O.S. (GLYCOLLIC ACID) (ADR/RID)
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

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Emergency Action Code 2X

Hazard Identification Number 80
(ADR/RID)

Tunnel restriction code (E)

14.7. Transport in bulk according to Annex II of MARPOL and the IBC Code

Transport in bulk according to Not
relevant. Annex II of MARPOL 73/78 and
the IBC Code

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

No chemical safety assessment has been carried out.

SECTION 16: Other information

Revision date 02/06/2017

Revision 2

Supersedes date 11/10/2016

SDS number 1788

Hazard statements in full H302 Harmful if swallowed.
H314 Causes severe skin burns and eye damage.
H318 Causes serious eye damage.
H332 Harmful if inhaled.