

SAFETY DATA SHEET

BIODEGRADABLE HEAVY-DUTY CONCENTRATED INDUSTRIAL DEGREASER

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Compilation date: 14/01/2020

Revision No: 1

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

1.1. Product identifier

Product name: BIODEGRADABLE HEAVY-DUTY CONCENTRATED INDUSTRIAL DEGREASER

Product code: ID1500

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

1.3. Details of the supplier of the safety data sheet

Company name: EnviroZest
3rd Floor
207 Regent Street
London
W1B 3HH

Tel: 0845 6189690

Fax: 0845 6189691

Email: info@envirozest.co.uk

1.4. Emergency telephone number

Section 2: Hazards identification

2.1. Classification of the substance or mixture

Classification under CLP: Skin Corr. 1B: H314

Most important adverse effects: Causes severe skin burns and eye damage.

2.2. Label elements

Label elements:

Hazard statements: H314: Causes severe skin burns and eye damage.

Hazard pictograms: GHS05: Corrosion



Signal words: Danger

Precautionary statements: P260: Do not breathe spray.

P280: Wear protective gloves/eye 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.

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P305+P351+P338: IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.

Haz. ingredients (label): BENZENE SULPHONIC ACID, 4-C10-13-SEC-ALKYL DERIVS.; DISODIUM METASILICATE

2.3. Other hazards

PBT: This product is not identified as a PBT/vPvB substance.

Section 3: Composition/information on ingredients

3.2. Mixtures

Hazardous ingredients:

ALCOHOLS, C12-13-BRANCHED AND LINEAR, ETHOXYLATED

EINECS	CAS	PBT / WEL	CLP Classification	Percent
931-954-4	160901-19-9	-	Acute Tox. 4: H302; Eye Dam. 1: H318	1-10%

DIPROPYLENEGLYCOL METHYLEETHER - REACH registered number(s): 01-2119450011-60

252-104-2	34590-94-8	Substance with a Community workplace exposure limit.	-	1-10%
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BENZENE SULPHONIC ACID, 4-C10-13-SEC-ALKYL DERIVS.

287-494-3	85536-14-7	-	Skin Corr. 1C: H314; Acute Tox. 4: H302; Aquatic Chronic 3: H412; Eye Dam. 1: H318	1-10%
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3-BUTOXYPROPAN-2-OL

225-878-4	5131-66-8	-	Eye Irrit. 2: H319; Skin Irrit. 2: H315	1-10%
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DISODIUM METASILICATE

229-912-9	6834-92-0	-	Skin Corr. 1B: H314; STOT SE 3: H335	1-10%
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SODIUM COCOIMINODIPROPIONATE - REACH registered number(s): 01-2119980672-29-0000

939-647-7	-	-	Eye Irrit. 2: H319	1-10%
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Section 4: First aid measures

4.1. Description of first aid measures

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.

Eye contact: Bathe the eye with running water for 15 minutes. Transfer to hospital for specialist examination.

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.

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Inhalation: Remove casualty from exposure ensuring one's own safety whilst doing so. If unconscious and breathing is OK, place in the recovery position. If conscious, ensure the casualty sits or lies down. If breathing becomes bubbly, have the casualty sit and provide oxygen if available. Transfer to hospital as soon as possible.

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.

Section 5: Fire-fighting measures

5.1. Extinguishing media

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

Advice for fire-fighters: Wear self-contained breathing apparatus. Wear protective clothing to prevent contact with skin and eyes.

Section 6: Accidental release measures

6.1. Personal precautions, protective equipment and emergency procedures

Personal precautions: Notify the police and fire brigade immediately. If outside keep bystanders upwind and away from danger point. Mark out the contaminated area with signs and prevent access to unauthorised 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

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

6.3. Methods and material for containment and 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.

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6.4. Reference to other sections

Reference to other sections: Refer to section 8 of SDS.

Section 7: Handling and storage

7.1. Precautions for safe handling

Handling requirements: 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. Conditions for safe storage, including any incompatibilities

Storage conditions: Store in a cool, well ventilated area. Keep container tightly closed.

7.3. Specific end use(s)

Specific end use(s): No data available.

Section 8: Exposure controls/personal protection

8.1. Control parameters

Hazardous ingredients:

DIPROPYLENEGLYCOL METHYLEETHER

Workplace exposure limits:

Respirable dust

State	8 hour TWA	15 min. STEL	8 hour TWA	15 min. STEL
EU	55 ppm; 308 mg/m ³	-	-	-

DNEL/PNEC Values

Hazardous ingredients:

BENZENE SULPHONIC ACID, 4-C10-13-SEC-ALKYL DERIVS.

Type	Exposure	Value	Population	Effect
DNEL	Dermal, long-term exposure	170 mg/kg	Workers	Systemic
DNEL	Inhalation, long-term exposure	12 mg/m ³	Workers	Systemic
DNEL	Inhalation, long-term exposure	12 mg/m ³	Workers	Local
DNEL	Dermal, long-term exposure	85 mg/kg	Consumers	Systemic
DNEL	Inhalation, long-term exposure	3 mg/m ³	Consumers	Systemic
DNEL	Oral, long-term exposure	0.85 mg/kg	Consumers	Systemic
DNEL	inhalation, long-term exposure	3 mg/m ³	Consumers	Local
PNEC	Fresh water	0.287 mg/l	-	-
PNEC	Marine water	0.0287 mg/l	-	-
PNEC	Intermittent release	0.0167 mg/l	-	-
PNEC	Treatment plant	3.43 mg/l	-	-

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PNEC	Fresh water sediments	0.287 mg/kg	-	-
PNEC	Marine sediments	0.287 mg/kg	-	-
PNEC	Soil (agricultura)	35 mg/kg	-	-
PNEC	Food chain	not relevant	-	-

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 emergency.

Hand protection: Impermeable gloves.

Eye protection: Tightly fitting safety goggles. Ensure eye bath is to hand.

Skin protection: Impermeable protective clothing.

Section 9: Physical and chemical properties

9.1. Information on basic physical and chemical properties

State: Liquid

Colour: Red

Odour: Characteristic odour

Evaporation rate: No data available.

Oxidising: Non-oxidising (by EC criteria)

Solubility in water: Soluble

Viscosity: Non-viscous

Boiling point/range°C: >35

Melting point/range°C: No data available.

Flammability limits %: lower: No data available.

upper: No data available.

Flash point°C: >93

Part.coeff. n-octanol/water: No data available.

Autoflammability°C: No data available.

Vapour pressure: No data available.

Relative density: 1.030 - 1.050

pH: 12.0 - 12.4

VOC g/l: No data available.

9.2. Other information

Other information: No data available.

Section 10: Stability and reactivity

10.1. Reactivity

Reactivity: Stable under recommended transport or storage conditions.

10.2. Chemical stability

Chemical stability: Stable under normal conditions.

10.3. Possibility of hazardous reactions

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

Decomposition may occur on exposure to conditions or materials listed below.

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10.4. Conditions to avoid

Conditions to avoid: Heat.

10.5. Incompatible materials

Materials to avoid: Strong oxidising agents. Strong acids.

10.6. Hazardous decomposition products

Haz. decomp. products: In combustion emits toxic fumes.

Section 11: Toxicological information

11.1. Information on toxicological effects

Hazardous ingredients:

ALCOHOLS, C12-13-BRANCHED AND LINEAR, ETHOXYLATED

DERMAL	RAT	LD50	>2000	mg/kg
ORAL	RAT	LD50	>300-2000	mg/kg

DIPROPYLENEGLYCOL METHYLEETHER

DERMAL	RBT	LD50	9150	mg/kg
ORAL	RAT	LD50	5135	mg/kg

BENZENE SULPHONIC ACID, 4-C10-13-SEC-ALKYL DERIVS.

DERMAL	RAT	LD50	>2000	mg/kg
ORAL	RAT	LD50	650	mg/kg

3-BUTOXYPROPAN-2-OL

SKN	RBT	LD50	3100	mg/kg
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DISODIUM METASILICATE

ORL	MUS	LD50	770	mg/kg
ORL	RAT	LD50	1153	mg/kg

SODIUM COCOIMINODIPROPIONATE

DERMAL	RAT	LD50	>5000	mg/kg
ORAL	RAT	LD50	31,000	mg/kg

Relevant hazards for product:

Hazard	Route	Basis
Skin corrosion/irritation	DRM	Hazardous: calculated

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Serious eye damage/irritation	OPT	Hazardous: calculated
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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.

Section 12: Ecological information

12.1. Toxicity

Hazardous ingredients:

ALCOHOLS, C12-13-BRANCHED AND LINEAR, ETHOXYLATED

Daphnia magna	48H EC50	>1-10	mg/l
FISH (Cyprinus carpo)	96H LC50	>1-10	mg/l
GREEN ALGA (Selenastrum capricornutum)	72H ErC50	>1-10	mg/l

DIPROPYLENEGLYCOL METHYLEETHER

DAPHNIA	48H EC50	1919	mg/l
FISH	96H LC50	10000	mg/l
GREEN ALGA (Selenastrum capricornutum)	96H LC50	> 969	mg/l

BENZENE SULPHONIC ACID, 4-C10-13-SEC-ALKYL DERIVS.

Daphnia magna (Water flea)	48H EC50	>1 - 10	mg/l
Eisenia fetida (earthworms)	14d LC50	>1000	mg/kg
Elimia	NOEC (32d)	>1 - 10	mg/l
Elodea canadensis	NOEC (28d)	>4	mg/l
Helianthis annuus	21d EC50	289	mg/kg
Lepomis macrochirus (Bluegill sunfish)	96H LC50	>1 - 10	mg/l
Lepomis macrochirus (Bluegill sunfish)	NOEC (28d)	1	mg/l
Phaseolus aureus	21d EC50	316	mg/kg
Sorghum bicolor	21d EC50	167	mg/kg

SODIUM COCOIMINODIPROPIONATE

ALGAE	72H ErC50	9.3	mg/l
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Daphnia magna	48H EC50	1.71	mg/l
Microorganisms	3H EC10	99	mg/l
RAINBOW TROUT (Oncorhynchus mykiss)	96H LC50	4.2	mg/l

12.2. Persistence and degradability

Persistence and degradability: Biodegradable.

12.3. Bioaccumulative potential

Bioaccumulative potential: No bioaccumulation potential.

12.4. Mobility in soil

Mobility: Readily absorbed into soil.

12.5. Results of PBT and vPvB assessment

PBT identification: This product is not identified as a PBT/vPvB substance.

12.6. Other adverse effects

Other adverse effects: Negligible ecotoxicity.

Section 13: Disposal considerations

13.1. Waste treatment methods

Disposal operations: Transfer to a suitable container and arrange for collection by specialised disposal company.

NB: The user's attention is drawn to the possible existence of regional or national regulations regarding disposal.

Section 14: Transport information

14.1. UN number

UN number: UN1760

14.2. UN proper shipping name

Shipping name: CORROSIVE LIQUID, N.O.S.
(DISODIUM METASILICATE)

14.3. Transport hazard class(es)

Transport class: 8

14.4. Packing group

Packing group: III

14.5. Environmental hazards

Environmentally hazardous: No

Marine pollutant: No

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14.6. Special precautions for user

Special precautions: No special precautions.

Tunnel code: E

Transport category: 3

Section 15: Regulatory information

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

Specific regulations: Not applicable.

15.2. Chemical Safety Assessment

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

Section 16: Other information

Other information

Other information: according to Regulation (EC) No. 1907/2006 (REACH) with its amendment Regulation (EU) 2015/830

* indicates text in the SDS which has changed since the last revision.

Phrases used in s.2 and s.3: H302: Harmful if swallowed.
H314: Causes severe skin burns and eye damage.
H315: Causes skin irritation.
H318: Causes serious eye damage.
H319: Causes serious eye irritation.
H335: May cause respiratory irritation.
H412: Harmful to aquatic life with long lasting effects.

Legal disclaimer: The above information is believed to be correct but does not purport to be all inclusive and shall be used only as a guide. This company shall not be held liable for any damage resulting from handling or from contact with the above product.