



SAFETY DATA SHEET

AMBUGREEN

Page: 1

Compilation date: 01/10/2024

Revision No: 1.0

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

1.1. Product identifier

Product name: AMBUGREEN

REACH registered number(s): MIXTURE

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

Use of substance / mixture: Healthcare

1.3. Details of the supplier of the safety data sheet

Company name: Premier 1 Supplies

2031 300th St

Washington

IA

52353

USA

Tel: 800-282-6631

Email: info@premier1supplies.com

1.4. Emergency telephone number

Emergency tel: 800-282-6631

(office hours only)

Manufacturer: NoBACZ Healthcare Ltd

Department of Veterinary Medicine

University of Cambridge

Madingley Road

Cambridge

CB3 0ES

United Kingdom

Tel: +44 (0) 1223 790150

Email: info@nobacz.com

Section 2: Hazards identification

2.1. Classification of the substance or mixture

Classification under CLP: Flam. Liq. 2: H225; Eye Irrit. 2: H319

Most important adverse effects: Highly flammable liquid and vapour. Causes serious eye irritation.

2.2. Label elements

Label elements:

Hazard statements: H225: Highly flammable liquid and vapour.

H319: Causes serious eye irritation.

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SAFETY DATA SHEET

AMBUGREEN

Page: 2

Hazard pictograms: GHS02: Flame

GHS07: Exclamation mark



Signal words: Danger

Precautionary statements: P102: Keep out of reach of children.

P210: Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking.

P280: Wear eye protection.

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

P403+P233: Store in a well-ventilated place. Keep container tightly closed.

2.3. Other hazards

Other hazards: In use, may form flammable / explosive vapour-air mixture.

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

Section 3: Composition/information on ingredients

3.2. Mixtures

Hazardous ingredients:

ETHANOL - REACH registered number(s): 01-2119457610-43-XXXX

EINECS	CAS	PBT / WEL	CLP Classification	Percent
200-578-6	64-17-5	Substance with a Community workplace exposure limit.	Flam. Liq. 2: H225	70-90%

ZINC ACETATE 2 ANHYDROUS - REACH registered number(s): 01-2120119383-62-xxxx

209-170-2	5970-45-6	-	Acute Tox. 4: H302; Eye Dam. 1: H318; Aquatic Chronic 2: H411	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. Wash immediately with plenty of soap and water.

Eye contact: Bathe the eye with running water for 15 minutes. Consult a doctor.

Ingestion: Wash out mouth with water. If unconscious, check for breathing and apply artificial respiration if necessary. If unconscious and breathing is OK, place in the recovery position. Consult a doctor.

Inhalation: Remove casualty from exposure ensuring one's own safety whilst doing so. Move to fresh air in case of accidental inhalation of vapours. If conscious, ensure the casualty sits or lies down. Consult a doctor.

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SAFETY DATA SHEET

AMBUGREEN

Page: 3

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

Skin contact: There may be irritation and redness at the site of contact. An itchy rash may occur at the site of contact.

Eye contact: There may be irritation and redness. The eyes may water profusely. The vision may become blurred.

Ingestion: There may be soreness and redness of the mouth and throat.

Inhalation: There may be irritation of the throat with a feeling of tightness in the chest. Exposure may cause coughing or wheezing. Drowsiness or mental confusion may occur. There may be drowsiness, slurred speech, muscular weakness, muscle twitching, tremor, blurred vision, dilated pupils and shock.

Delayed / immediate effects: Immediate effects can be expected after short-term exposure. Drowsiness or mental confusion may occur.

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

Immediate / special treatment: Show this safety data sheet to the doctor in attendance. Eye bathing equipment should be available on the premises.

Section 5: Fire-fighting measures

5.1. Extinguishing media

Extinguishing media: Alcohol resistant foam. Carbon dioxide. Dry chemical powder. Use water spray to cool containers.

5.2. Special hazards arising from the substance or mixture

Exposure hazards: Highly flammable. In combustion emits toxic fumes. Forms explosive air-vapour mixture. Vapour may travel considerable distance to source of ignition and flash back.

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: Refer to section 8 of SDS for personal protection details. If outside do not approach from downwind. If outside keep bystanders upwind and away from danger point. Mark out the contaminated area with signs and prevent access to unauthorised personnel. Turn leaking containers leak-side up to prevent the escape of liquid. Eliminate all sources of ignition. Remove all incompatible materials as outlined in section 10 of SDS. Mechanically ventilate the spillage area whilst avoiding the formation of explosive concentrations - see section 9 of SDS.

[cont...]

SAFETY DATA SHEET

AMBUGREEN

Page: 4

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: Transfer to a closable, labelled salvage container for disposal by an appropriate method. Do not use equipment in clean-up procedure which may produce sparks. Avoid all incompatible materials in clean-up procedure - see section 10 of SDS. Refer to section 13 of SDS for suitable method of disposal.

6.4. Reference to other sections

Reference to other sections: Refer to section 8 of SDS. Refer to section 13 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. Smoking is forbidden. Use non-sparking tools.

7.2. Conditions for safe storage, including any incompatibilities

Storage conditions: Store in a cool, well ventilated area. Keep container tightly closed. Keep away from sources of ignition. Prevent the build up of electrostatic charge in the immediate area. Ensure lighting and electrical equipment are not a source of ignition. Avoid incompatible materials and conditions - see section 10 of SDS. Store above 10°C - do not allow to freeze.

Suitable packaging: Must only be kept in original packaging.

7.3. Specific end use(s)

Specific end use(s): Healthcare

Section 8: Exposure controls/personal protection

8.1. Control parameters

Hazardous ingredients:

ETHANOL

Workplace exposure limits:

Respirable dust:

State	8 hour TWA	15 min. STEL	8 hour TWA	15 min. STEL
UK	1920 mg/m ³	-	-	-

DNEL/PNEC Values

[cont...]

SAFETY DATA SHEET

AMBUGREEN

Page: 5

Hazardous ingredients:

ETHANOL

Type	Exposure	Value	Population	Effect
DNEL	Inhalation - Long Term	950 mg/m ³	-	Systemic
DNEL	Inhalation - Short Term	19 mg/m ³	-	Local
DNEL	Dermal - Long Term	343 mg/kg bw/day	-	Systemic
PNEC	Fresh water	0.96 mg/l	-	-
PNEC	Marine water	0.79 mg/l	-	-
PNEC	Fresh water sediments	3.6 mg/kg	-	-
PNEC	Marine sediments	2.9 mg/kg	-	-
PNEC	Soil (agricultural)	0.63 mg/kg	-	-

ZINC ACETATE 2 ANHYDROUS

Type	Exposure	Value	Population	Effect
PNEC	Fresh water	0.002 mg/l	-	-
PNEC	Marine water	0 mg/l	-	-
PNEC	Microorganisms in sewage treatment	0.009 mg/l	-	-
PNEC	Fresh water sediments	0.008 mg/kg	-	-
PNEC	Marine sediments	0.001 mg/kg	-	-
PNEC	Soil (agricultural)	0 mg/kg	-	-
DNEL	Inhalation	4.71 mg/m ³	Workers	Systemic
DNEL	Dermal	1.338 mg/kg bw/day	Workers	Systemic
DNEL	Inhalation	1.16 mg/m ³	General Population	Systemic
DNEL	Dermal	0.669 mg/kg bw/day	General Population	Systemic
PNEC	Oral	0.669 mg/kg bw/day	General Population	Systemic

8.2. Exposure controls

Engineering measures: Ensure there is sufficient ventilation of the area. Ensure lighting and electrical equipment are not a source of ignition. Ensure all engineering measures mentioned in section 7 of SDS are in place.

Respiratory protection: Respiratory protection not required.

Hand protection: Gloves (solvent-resistant).

Eye protection: Safety glasses. Ensure eye bath is to hand.

Skin protection: Protective clothing.

Environmental: No special requirement. Prevent from entering in public sewers or the immediate environment.

Section 9: Physical and chemical properties

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SAFETY DATA SHEET

AMBUGREEN

Page: 6

9.1. Information on basic physical and chemical properties

State: Highly Viscous Gel

Colour: Green

Odour: Characteristic alcohol odour

Flash point°C: 13

9.2. Other information

Other information: Not applicable.

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. Stable at room temperature.

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.

Decomposition may generate enough heat and gases for fires/explosions.

10.4. Conditions to avoid

Conditions to avoid: Heat. Hot surfaces. Sources of ignition. Flames. Direct sunlight.

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:

ETHANOL

ORL	RAT	LD50	6200 - 15,000	mg/kg
VAPOURS	RAT	LC50	> 50	mg/m ³

ZINC ACETATE 2 ANHYDROUS

ORAL	RAT	LD50	663	mg/kg
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SAFETY DATA SHEET

AMBUGREEN

Page: 7

Relevant hazards for product:

Hazard	Route	Basis
Serious eye damage/irritation	OPT	Hazardous: calculated

Symptoms / routes of exposure

Skin contact: There may be irritation and redness at the site of contact. An itchy rash may occur at the site of contact.

Eye contact: There may be irritation and redness. The eyes may water profusely. The vision may become blurred.

Ingestion: There may be soreness and redness of the mouth and throat.

Inhalation: There may be irritation of the throat with a feeling of tightness in the chest. Exposure may cause coughing or wheezing. Drowsiness or mental confusion may occur. There may be drowsiness, slurred speech, muscular weakness, muscle twitching, tremor, blurred vision, dilated pupils and shock.

Delayed / immediate effects: Immediate effects can be expected after short-term exposure. Drowsiness or mental confusion may occur.

Other information: Not applicable.

Section 12: Ecological information

12.1. Toxicity

Hazardous ingredients:

ETHANOL

Artemia Salina	24H EC50	23.9	g/l
Artemia Salina Nauplii	48H EC50	857	mg/l
Ceriodaphnia dubia	48H EC50	5.012	g/l
Chlamydomonas Eugametos	48H EC50	18	g/l
Chlorella Vulgaris	72H EC10	11.5	mg/l
Chlorella Vulgaris	72H EC50	275	mg/l
Daphnia magna	48H EC50	12.34	g/l
Salmo Gairdneri	96H LC50	13	g/l
Selenastrum capricornutum	72H EC10	0.44	g/l
Selenastrum capricornutum	72H EC50	12.9	g/l

ZINC ACETATE 2 ANHYDROUS

Daphnia magna	48H EC50	3.72	mg/l
FISH	96H LC50	2.46	mg/l

12.2. Persistence and degradability

Persistence and degradability: The biodegradability of the surfactants contained in this product are in accordance with the requirements of the EU Detergent Regulation (EC/648/2004).

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SAFETY DATA SHEET

AMBUGREEN

Page: 8

12.3. Bioaccumulative potential

Bioaccumulative potential: No data available.

12.4. Mobility in soil

Mobility: Insoluble in water.

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. Physico-chemical treatment not specified elsewhere in this Annex which results in final compounds or mixtures which are discarded by means of any of the other possible disposal operations (e.g. evaporation, drying, calcination, etc.).

Recovery operations: Solvent reclamation/regeneration. Recycling/reclamation of metals and metal compounds. Recovery of components used for pollution abatement.

Disposal of packaging: Dispose of in a regulated landfill site or other method for hazardous or toxic wastes. May be reused following decontamination.

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: UN1993

14.2. UN proper shipping name

Shipping name: FLAMMABLE LIQUID, N.O.S.
(ETHANOL)

14.3. Transport hazard class(es)

Transport class: 3

14.4. Packing group

Packing group: III

14.5. Environmental hazards

Environmentally hazardous: No

Marine pollutant: No

14.6. Special precautions for user

Special precautions: No special precautions.

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SAFETY DATA SHEET

AMBUGREEN

Page: 9

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: The biodegradability of the surfactants contained in this product are in accordance with the requirements of the EU Detergent Regulation (EC/648/2004).

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: SAFETY DATA SHEET - According to REACH Regulation (EC) No. 1907 / 2006 as ammended by UK REACH Regulations UK SI 2019 / 758.
CLASSIFICATION - According to CLP Regulation (EC) No. 1272 / 2008 as amended by GB CLP Regulation UK SI 2019 / 720 and UK SI 2020 / 1567
LABELLING - According to CLP Regulation (EC) No. 1272 / 2008 as amended by GB CLP Regulation UK SI 2019 / 720 and UK SI 2020 / 1567
Relevant EU provisions transposed into retained GB Law
* indicates text in the SDS which has changed since the last revision.

Phrases used in s.2 and s.3: H225: Highly flammable liquid and vapour.

H302: Harmful if swallowed.

H318: Causes serious eye damage.

H319: Causes serious eye irritation.

H411: Toxic 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.