

SAFETY DATA SHEET

according to Regulation (EC) No. 1907/2006, Article 31

AEBC7017_500 SHIELDIT INNOVATIONS Exterior Bio Cleaner 500 ml

Creation date 22nd October 2024

Revision date

Version

1.0 EN

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

1.1. Product identifier

SDS AEBC7017_500 SHIELDIT INNOVATIONS Exterior Bio Cleaner 500 ml
mixture

Substance / mixture

Other mixture names

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

Mixture's intended use

Alkaline cleaner / detergent

Mixture uses advised against

The product should not be used in ways other than those referred in Section 1.

1.3. Details of the supplier of the safety data sheet

Manufacturer

Name or trade name

Shieldit Innovations LLC

Address

16192 Coastal Highway

LEWES, Delaware 19958

United States

Phone

+1 (540) 480-0505

E-mail

support@shielditinnovations.com

Competent person responsible for the safety data sheet

Name

Shieldit Innovations

E-mail

support@shielditinnovations.com

1.4. Emergency telephone number

Emergency Telephone of Company/Undertaking +1 (540) 480-0505 (08:00am – 4:00pm)

Counselling centre for poisoning +1 (800) 222-1222

(American Association for Poison Controls Centres)

SECTION 2: Hazards identification

2.1. Classification of the substance or mixture

Classification of the mixture in accordance with Regulation (EC) No 1272/2008

The product is not classified, according to the CLP regulation.

2.2. Label elements

Labelling according to Regulation (EC) No 1272/2008

No labelling applicable.

2.3. Other hazards

No additional information available.

SECTION 3: Composition/information on ingredients

3.2. Mixtures

Description: Aqueous solution of components not requiring identification.

Dangerous components: void

Components according to regulation EC 648/2004 on detergents

non-ionic surfactants, anionic surfactants	<5%
Perfumes (LIMONENE, BETA PINENE)	

SECTION 4: First aid measures

4.1. Description of first aid measures

General Information:

No special measures required.

After inhalation:

Supply fresh air; consult doctor in case of symptoms.

SAFETY DATA SHEET

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AEBC7017_500 SHIELDIT INNOVATIONS Exterior Bio Cleaner 500 ml

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After skin contact:

The product is not skin irritating. Remove contaminated clothing. Wash contaminated clothing before re-use.

After eye contact:

Rinse opened eye for several minutes under running water. If symptoms persist, consult doctor.

If swallowed

Rinse out mouth. Give small quantities of water to drink. In case of persistent symptoms, consult doctor.

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

No additional information available.

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

No additional information available.

SECTION 5: Firefighting measures

5.1. Extinguishing media

Suitable extinguishing media

The product itself does not burn. Use fire fighting measures suiting the environment.

Unsuitable extinguishing media

No information available.

5.2. Special hazards arising from the substance or mixture

Inhalation of combustion gases may cause serious health hazards.

5.3. Advice for firefighters

Protection during firefighting:

Wear breathing protection if necessary.

SECTION 6: Accidental release measures

6.1. Personal precautions, protective equipment and emergency procedures

Avoid contact with eyes and skin.

Particular danger of slipping leaked/spilled product.

6.2. Environmental precautions

Do not allow to enter drainage system, surface or ground water.

Small amounts usually used during handling can be flushed away with water.

6.3. Methods and material for containment and cleaning up

Absorb with liquid-binding material (sand, diatomite, acid binders, universal binders).

Dispose of the material collected according to regulations.

6.4. Reference to other sections

See section 7 for information on safe handling.

See section 8 for information on personal protective equipment.

See section 13 for information on disposal.

SECTION 7: Handling and storage

7.1. Precautions for safe handling

Avoid contact with eyes.

Information about protection against explosions and fires:

No special measures required.

7.2. Conditions for safe storage, including any incompatibilities

Storage Conditions:

Protect from frost.

Requirements to be met by storerooms and containers:

No special requirements.

Information about storage in one common storage facility:

Not required.

7.3. Specific end use(s)

No additional information available.

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SECTION 8: Exposure controls/personal protection

8.1. Control parameters

Components with limit value that require monitoring at the workplace:

This product does not contain any relevant quantities of materials with critical values that have to be monitored at the workplace.

Additional information:

The lists that were valid during the compilation were used as basis.

8.2. Exposure controls

Individual protection measures, such as personal protective equipment

General protective and hygienic measures:

Wash hands during breaks and at the end of the work.

Breathing equipment:

Not required

Hand protection:

No chemical-protective gloves required.

Protective gloves are recommended at frequent and/or long-term skin contact with the product.

Material of the gloves

The selection of the suitable gloves does not only depend on the material, but also on further marks of quality and varies from manufacturer to manufacturer. As the product is a preparation of several substances, the resistance of the glove material can not be calculated in advance and has therefore to be checked prior to the application.

Penetration of glove material

In case of a layer thickness of 0.1 mm the penetration time is longer than 480 minutes.

The exact break through time has to be found out by the manufacturer of the protective gloves and has to be observed.

For the permanent contact gloves made of the following materials are suitable:

Nitrile rubber, NBR

Eye protection:

Safety glasses recommended during refilling.

SECTION 9: Physical and chemical properties

9.1. Information on basic physical and chemical properties

Form	Liquid
Physical state	Fluid
Colour	Yellow-green
Odour	Slight lemon smell
Odour threshold	No data available
Melting point	0°C
Freezing point	0°C
Boiling point	100°C
Flammability (solid, gas)	Not applicable
Lower explosion limit	Not determined
Upper explosion limit	Not determined
Flash point	Not applicable
Self-inflammability	Product is not self-igniting
Explosive properties	Product is not explosive
Decomposition temperature	Not determined
SADT	
pH at 20°C	11 – 11.3
Viscosity, kinematic	450 mm ² /s
Viscosity, dynamic	Not determined
Solubility	
Water	Fully miscible
Partition coefficient n-octanol/water (log value)	Not determined
Vapour pressure	Not determined
Density at 20°C	1.1 g/cm ³
Relative density	Not determined
Vapour density	Not determined
Evaporation rate	Not determined

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9.2. Other information

Appearance

Form Liquid

Important information on protection of health and environment, and on safety

Solvent content

Organic solvents 0.1 %

Information with regard to physical hazard

Explosive	Void
Flammable gases	Void
Aerosols	Void
Oxidising gases	Void
Gases under pressure	Void
Flammable liquids	Void
Self-reactive substances and mixtures	Void
Pyrophoric liquids	Void
Pyrophoric solids	Void
Self-heating substances and mixtures	Void
Substances and mixtures, which emit flammable gases in contact with water	Void
Oxidising liquids	Void
Oxidising solids	Void
Organic peroxides	Void
Corrosive to metals	Void
Desensitised explosives	Void

SECTION 10: Stability and reactivity

10.1. Reactivity

No further relevant information available.

10.2. Chemical stability

Thermal decomposition / conditions to be avoided:

No decomposition if used according to specifications.

10.3. Possibility of hazardous reactions

No dangerous reactions known.

10.4. Conditions to avoid

No further relevant information available.

10.5. Incompatible materials

No further relevant information available.

10.6. Hazardous decomposition products

None in case of intended use and storage in compliance with instructions.

SECTION 11: Toxicological information

11.1. Information on hazard classes as defined in Regulation (EC) No 1272/2008

Acute toxicity : Based on available data, the classification criteria are not met.

LD/LC50 Values that are relevant for classification

497-19-8 sodium carbonate

Oral	LD50	2,800 mg/kg (rat)
Dermal	LD0	> 2,000 mg/kg (rabbit) (EPA 16 CFR 1500.40)

Skin corrosion/irritation	: Based on available data, the classification criteria are not met.
Serious eye damage/irritation	: Based on available data, the classification criteria are not met.
Respiratory of skin sensitization	: Based on available data, the classification criteria are not met.
Germ cell mutagenicity	: Based on available data, the classification criteria are not met.
Carcinogenicity	: Based on available data, the classification criteria are not met.
Reproductive toxicity	: Based on available data, the classification criteria are not met.
STOT-single exposure	: Based on available data, the classification criteria are not met.
STOT-repeated exposure	: Based on available data, the classification criteria are not met.
Aspiration hazard	: Based on available data, the classification criteria are not met.

11.2. Information on other hazards

Endocrine disrupting properties : None of the ingredients is listed.

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SECTION 12: Ecological information

12.1. Toxicity

Aquatic toxicity

497-19-8 sodium carbonate

EC50 200 mg/l/48h (Ceriodaphnia dubia)

LC50 (static) 300 mg/l/96h (Lepomis macrochirus)

NOEC (static) 560 mg/l/96h (Gambusia affinis)

12.2. Persistence and degradability

Easily biodegradable

12.3. Bioaccumulative potential

No further relevant information available.

12.4. Mobility in soil

No further relevant information available.

12.5. Results of PBT and vPvB assessment

PBT: Not applicable

vPvB: Not applicable

12.6. Endocrine disrupting properties

This product does not contain substances with endocrine disrupting properties.

12.7. Other adverse effects

Additional ecological information:

General notes:

Water hazard class 1 (German Regulation) (Self-assessment): slightly hazardous for water. Do not allow undiluted product or large quantities of it to reach ground water, water bodies or sewage system.

SECTION 13: Disposal considerations

13.1. Waste treatment methods

Recommendation

Smaller quantities can be disposed with household waste.

Small amounts may be diluted with plenty of water and washed away. Dispose of bigger amounts in accordance with Local Authority requirements.

European waste catalogue

20 00 00 MUNICIPAL WASTES (HOUSEHOLD WASTE AND SIMILAR COMMERCIAL, INDUSTRIAL AND INSTITUTIONAL WASTES) INCLUDING SEPERATELY COLLECTED FRACTIONS

20 01 00 Separately collected fractions (except 15 01)

20 01 30 Detergents other than those mentioned in 20 01 29

Uncleaned packaging

Recommendation

Dispose of packaging according to regulations of the disposal of packaging.

Non contaminated packaging can be used for recycling.

SECTION 14: Transport information

In accordance with ADR / RID / IMDG / IATA / AND

ADR	IMDG	IATA	AND	RID
14.1. UN number or ID number				
Not applicable	Not applicable	Not applicable	Not applicable	Not applicable
14.2. UN proper shipping name				
Not applicable	Not applicable	Not applicable	Not applicable	Not applicable
14.3. Transport hazard class(es)				
Not applicable	Not applicable	Not applicable	Not applicable	Not applicable
14.4. Packing group				
Not applicable	Not applicable	Not applicable	Not applicable	Not applicable
14.5. Environmental hazards				
Not applicable	Not applicable	Not applicable	Not applicable	Not applicable
No supplementary information available				

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14.6. Special precautions for user

Overland transport	: Not applicable
Transport by sea	: Not applicable
Air transport	: Not applicable
Inland waterway transport	: Not applicable
Rail transport	: Not applicable

14.7. Transport in bulk according to IMO instruments

Transports/Additional information	: Not dangerous according to the above specifications
UN "Model Regulation"	: Void

SECTION 15: Regulatory information

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

Directive 2012/18/EU:

Named dangerous substances – ANNEX I

None of the ingredients is listed

Directive 2011/65/EU on the restriction of the use of certain hazardous substances in electrical and electronic equipment – Annex II

None of the ingredients is listed.

Regulation (EU) 2019/1148

Annex I – Restricted explosive precursors (upper limit value for the purpose of licensing under Article 5(3))

None of the ingredients is listed.

Annex II – Reportable explosives precursors

None of the ingredients is listed.

Regulation (EC) No 273/2004 on drug precursors

None of the ingredients is listed.

Regulation (EC) No 111/2005 laying down rules for the monitoring of trade between the community and third countries in drug precursors

None of the ingredients is listed.

National Regulations:

Water hazard class

Water hazard class 1 (Self-assessment): slightly hazardous for water.

Substances of very high concern (SVHC) according to REACH, Article 57

None of the ingredients is contained.

15.2. Chemical safety assessment

No chemical safety assessment has been carried out

SECTION 16: Other information

This safety data sheet meets the requirements of Regulation (EU) 2015/830 and 2020/878 amending Annex II of Regulation (EC) 1907/2006. This information is based on our present knowledge. However, this shall not constitute a guarantee for any specific product features and shall not establish a legally valid contractual relationship.

Key to abbreviations and acronyms used in the safety data sheet

AND	European agreement concerning the international carriage of dangerous goods by inland waterways
ADR	European agreement concerning the international carriage of dangerous goods by road
ATE	Acute Toxicity Estimate
BCF	Bioconcentration Factor
CAS	Chemical Abstracts Service
CLP	Regulation (EC) No 1272/2008 on classification, labelling and packaging of substance and mixtures
IATA	International Air Transport Association
IMDG	International Maritime Dangerous Goods
LC50	Lethal concentration, 50 percent
LD50	Lethal dose, 50 percent

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PBT	Persistent, bioaccumulative and toxic
REACH	Registration, Evaluation, Authorisation and Restriction of Chemicals
RID	Regulations concerning the International Carriage of Dangerous Goods by Rail
SDS	Safety Data Sheet
SVHC	Substances of Very High Concern
vPvB	Very persistent and very bioaccumulative

Statement

The safety data sheet provides information aimed at ensuring safety and health protection at work and environmental protection. The provided information corresponds to the current status of knowledge and experience and complies with valid legal regulations. The information should not be understood as guaranteeing the suitability and usability of the product for a particular application.