

SAFETY DATA SHEET

Creation date 23.05.2022

Revision number 2

SECTION 1: IDENTIFICATION OF THE SUBSTANCE/MIXTURE AND OF THE COMPANY/UNDERTAKING

1.1. Product identifier

Product name AreaNeutrAll®
Cat No. : EST00600
Synonyms
CAS-No

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

Recommended use Solution for the decontamination of technical surfaces after contact with hazardous substances.

Uses advised against No information available

1.3. Details of the supplier providing the safety data sheet

Company name EST biochem GmbH
Luchsweg 22
D-50259 Pulheim/
Germany
E-mail address info@est-biochem.com

1.4. Emergency number National Poisons Information Service City Hospital
Dudley Rd. B187QH Birmingham
Tel. +44 844 892 0111

SECTION 2: POTENTIAL HAZARDS

2.1. Classification of the substance or mixture

CLP classification - Regulation (EC) No 1272/2008 Physical

hazards

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

Health risks

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

Environmental hazards

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

2.2. Labelling elements/ Hazard statements/ Safety instructions No

labelling elements required.

No hazard statements required

No safety instructions required

2.3. Other hazards

There is no information available

SECTION 3: COMPOSITION/INFORMATION ON INGREDIENTS**3.1. substances**

Component	CAS No	EC no.	Weight percentage	CLP Classification - Regulation (EC) No. 1272/2008
Polyethylene glycols	25322-68-3		< 30 %	STOT SE 3 (H335)
Glycerine	56-81-5		< 5 %	
Glycine	46-40-6		< 5 %	
Ascorbic acid	50-81-7		< 5 %	
Calcium chloride dihydrate	10035-04-08		< 4 %	
Anionic surfactants	65-85-0		< 2 %	
Benzoic acid			< 0,1 %	

section 4: first aid measures**4.1. Description of the first aid measures****General advice**

If symptoms persist, consult a doctor.

Eye contact

Rinse immediately with plenty of water or eye rinsing solution, also under the eyelids. Consult a doctor if irritation persists.

Ingestion

Rinse mouth with water and then drink plenty of water. If foam is formed, add defoamer, e.g. Espumisan® Emulsion.

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

Foaming with oral intake and obstruction of the respiratory tract

4.3. Indications for immediate medical help or special treatment**Notes to the doctor**

If foaming occurs in the mouth, give defoamer e.g. Espumisan® Emulsion.

section 5: fire-fighting measures**5.1. Extinguishing agent****Suitable extinguishing agents**

Use water spray, alcohol-resistant foam, dry chemical or carbon dioxide.

Extinguishing media unsuitable for safety reasons

There is no information available.

5.2. Special hazards arising from the substance or mixture

There is no information available.

Hazardous combustion products

Carbon monoxide, carbon dioxide (CO₂).

5.3. Advice for firefighters

As with any fire, use self-contained breathing apparatus in pressure demand mode as per MSHA/NIOSH (approved or equivalent) and wear full protective clothing.

section 6: action in the event of improper release**6.1. Personal precautions, protective equipment and emergency procedures**

There is no information available.

6.2. Environmental protection measures

Do not dispose of in the environment or in open waters. In the context of first aid application, avoid exposure to waste water as far as possible.

6.3. Methods and material for retention and cleaning

Soak up with inert absorbent material. Store in suitable containers until disposal.

6.4. Reference to other sections

See protective measures under points 8 and 13.

SECTION 7: HANDLING AND STORAGE**7.1. Protective measures for safe handling**

Do not ingest or inhale. Do not get in eyes.

Hygiene measures

Handle with good industrial hygiene and safety technique. Keep away from food, drink and animal feeding stuffs. Do not eat, drink or smoke when using. Remove soiled clothing and wash before reuse. Wash hands before breaks and at the end of work.

7.2. Conditions for safe storage taking into account incompatibilities

Keep container tightly closed and store in a dry place.

7.3. Specific end uses

Use in workshops, laboratories and health care facilities

SECTION 8: EXPOSURE CONTROLS/PERSONAL PROTECTIVE EQUIPMENT**8.1. Parameters to be monitored**

Exposure limit values
There is no information available

Biological limit values

This product, as supplied, does not contain any hazardous materials with biological limits set by country-specific regulatory bodies.

8.2. Exposure controls and monitoring**Technical protective measures**

Ensure that eyewash systems are located close to the workplace.

Personal protective equipment

Eye protection Safety goggles with side protection (EU standard -EN166)

Skin and body protection Long sleeved work clothes

Limitation and monitoring of environmental exposure There is no information available

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SECTION 9: PHYSICAL AND CHEMICAL PROPERTIES

9.1. Information on the basic physical and chemical properties

Appearance	There is no information available	
Physical state	Liquid	
Smell	Slightly aromatic	
Odour threshold	No data available	
pH value	4.0-5.0	
Melting point / melting range	-65 °C / -85 °F	
Softening point	No data available	
Boiling point/boiling range	There is no information available	
Flash point	171 °C / 339.8 °F	Method - No information available
Evaporation rate	No data available	
Flammability (solid, gaseous)	Not applicable	Liquid
Explosion limits	No data available	
Vapour pressure	<0.01 mmHg @ 20 °C	
Vapour density	No data available	(Air = 1.0)
Specific gravity / density	1.125	
Bulk density	Not applicable	
Water solubility	soluble	
Solubility in other solvents	There is no information available	
Partition coefficient: n-octanol/water	0,1	
Auto-ignition temperature	304 °C / 579.2 °F	
Decomposition temperature	No data available	
Viscosity	60-70 mPa.s @ 20 °C	
Explosion hazard	There is no information available	
Oxidising properties	There is no information available	

9.2. Other information

Molecular weight	Mixture/ not applicable
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SECTION 10: STABILITY AND REACTIVITY

10.1. Reactivity None known according to available information

10.2. Chemical stability **Stable** under normal conditions

10.3. Possibility of hazardous reactions

Hazardous polymerisation No information available.

Hazardous reactions None in normal processing.

10.4. Conditions to avoid None known according to available information.

10.5. Incompatible materials None known according to available information.

10.5 Incompatible products Excessive heat. Strong oxidising agents.

10.6 Hazardous decomposition products Carbon monoxide. Carbon dioxide (CO₂)

SECTION 11: TOXICOLOGICAL INFORMATION

11.1 Information on toxicological effects

Product information

(a) Acute toxicity,

Oral

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

Dermal

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

Inhalation

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

Component	LD50 Oral	LD50 dermal	LC50 Inhalation

(b) Skin corrosion/irritation, No data available

(c) severe eye damage/irritation No data available

(d) Germ cell mutagenicity No data available

This product does not contain any known carcinogenic chemicals

(e) Carcinogenicity

(f) Reproductive toxicity No data available

(g) Specific target organ toxicity after a single exposure No data available

(h) Specific target organ toxicity in case of repeated exposure No data available

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Target organs

None known.

(i) Aspiration hazard

In case of oral intake and foaming

SECTION 12: ENVIRONMENTAL DISCLOSURES

12.1. Toxicity

Ecotoxic effects

Component	Freshwater fish	Water flea	Freshwater algae	Microtox
Polyethylene glycols	LC50 = 10 g/L/96h			

12.2. Persistence and degradability

Persistence

Soluble in water, Persistence is unlikely, According to available information.

12.3. Bioaccumulative potential

Bioaccumulation is unlikely

12.4. Mobility in soil

The product is water soluble and may spread in water systems. Due to its solubility in the environment is expected to be mobile. Highly mobile in soils

12.5. Results of the PBT and vPvB assessment

No data available for assessment.

12.6. Other adverse effects No data available for assessment.

Information on endocrine disorder

This product does not contain any known or suspected endocrine disruptors

Persistent Organic Pollutant

This product does not contain any known or suspected substances

Ozone depletion potential

This product does not contain any known or suspected substances

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SECTION 13: NOTES ON DISPOSAL

13.1 Waste treatment processes

Waste from residues / unused products

The waste is not classified as hazardous. Dispose of in accordance with EC Directives on waste and on hazardous waste. Dispose of in accordance with local authority regulations.

Contaminated packaging

Dispose of in accordance with local regulations.

European Waste Catalogue

According to the European Waste Catalogue (EWC), waste code numbers are not product-specific, but application-related.

Other information

Waste codes must be defined by the user on the basis of the application for which the product has been used. Do not allow to enter drains.

SECTION 14: TRANSPORT INFORMATION

IMDG/IMO

Not regulated.

14.1. UN number

14.2. UN proper shipping name

14.3. Transport hazard classes

14.4. Packing group

ADR

Not regulated.

14.1. UN number

14.2. UN proper shipping name

14.3. Transport hazard classes

14.4. Packing group

IATA

Not regulated.

14.1. UN number

14.2. UN proper shipping name

14.3. Transport hazard classes

14.4. Packing group

14.5. Environmental hazards

No hazards identified

14.6. Special precautions for the user

No special measures required

14.7. Bulk transport in accordance with Annex II of the MARPOL 73/78 and according to the IBC Code Not applicable, packaged goods

SECTION 15: LEGAL PROVISIONS

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

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International inventories

X = listed

Component	EINECS	ELINCS	NLP	TSCA	DSL	NDSL	PICCS	ENCS	IECSC	AICS	KECL
Polyethylene glycols	-	-	500-038-2	X	X	-	X	X	X	X	X

National regulations

Component	Germany Water hazard class (VwVwS)	Germany - TA-Luft Class
Polyethylene glycols	WGK 1	

Observe employment restrictions according to the youth employment protection regulations (94/33/EC).
Comply with Directive 98/24/EC on the protection of the health and safety of workers from the risks related to chemical agents at work.

15.2. Chemical Safety Assessment

A Chemical Safety Assessment / Report (CSA / CSR) has not been carried out

SECTION 16: OTHER DISCLOSURES

Full text of the hazard statements in section 3

Legend

CAS - Chemical Abstracts Service

EINECS/ELINCS - European Inventory of Existing Commercial Chemical Substances/Eu List of Notified Chemical Substances

PICCS - Philippines Inventory of Chemicals and Chemical Substances

IECSC - China Inventory of Existing Chemical Substances - Chinese Inventory of Existing Substances

KECL - Korean Existing and Evaluated Chemical Substances List

WEL - Workplace limits

ACGIH - American Conference of Industrial Hygiene

DNEL - limit value below which the substance exerts no effect

RPE - Respiratory protection equipment

LC50 - Lethal concentration 50%

NOEC - Concentration with no observed effect

PBT - Persistent, Bioaccumulative, Toxic

ADR - European Agreement concerning the International Carriage of Dangerous Goods by Road

IMO/IMDG - International Maritime Organization/International Maritime Dangerous Goods Code

OECD - Organisation for Economic Co-operation and Development

BCF - Bioconcentration Factor (BCF)

Technical literature and data sources Suppliers Safety Data Sheet, Chemadvisor - LOLI,

TSCA - U.S. Hazardous Substances Control Act Section 8(b) Inventory

DSL/NDSL - Canadian equivalent of the European Existing Substances List/Canadian list of substances that are only on the market abroad.

ENCS - Japan Existing and New Chemical Substances - Japanese Inventory of Existing and New Chemical Substances

AICS - Australian Inventory of Chemical Substances, Australian Chemical Inventory

NZIoC - New Zealand Inventory of Chemicals

TWA - Time Weighted Average

IARC - International Agency for Research on Cancer **PNEC** - Estimated No-Effect Concentration

LD50 - Lethal Dosage 50%

EC50 - Effective concentration 50%

POW - Partition coefficient octanol: water

vPvB - very persistent and very bioaccumulative

CAO/IATA - International Civil Aviation Organization/International Air Transport Association

MAR

POL - International Convention for the Prevention of Pollution from Ships

ATE - Acute Toxicity Estimation

VOC - Volatile Organic Compounds

ICAO/IATA - International Civil Aviation Organization/International Air Transport Association