

SAFETY DATA SHEET

Version: 01.09.2019

In accordance with 1907/2006/EG, Article 31

1. IDENTIFICATION OF PRODUCT AND COMPANY

Product name:	ANOSAN ECO[®]
Utilization of the product:	Disinfection & odor control
Brand:	ANOSAN ECO[®]
Manufacturer / Supplier:	Ecabiotec Middle East Manufacturing LLC 98901 Dubai, United Arab Emirates under license of Ecabiotec AG, Germany Tel. +971 4 429 11 34 Fax +971 4 429 11 34
Emergency information:	+971 56 400 7724

2. HAZARDS IDENTIFICATION

CLASSIFICATION OF PRODUCT

CLASSIFICATION ACCORDING TO GUIDELINE 67/548/EEC OR 1999/45/EC:

Not applicable

SPECIAL HAZARD NOTES FOR HUMANS AND ENVIRONMENT:

According to the current regulations ((EC) Nr. 1272/2008, Globally Harmonised System of Classification and Labelling of Chemicals respectively Regulation on Classification, Labelling and Packaging of Substances and Mixtures) there is no labelling requirement for the product.

CLASSIFICATION SYSTEM:

Classification complies with actual EC-regulations. Amended statements from specialist literature and manufacturer are added.

SUPPLEMENTAL HAZARD INFORMATION (EU):

EUH031 Contact with acids liberates toxic gas.

Contains no Polybutylenterephthalates (PBT) or very persistent and very bioaccumulative (vPvB) substances in accordance with the REACH criteria.

LABEL ELEMENTS

LABELLING ACCORDING TO EEC-GUIDELINES:

According to the current EC-regulations / Ordinance on Hazardous Substances there is no labelling requirement for the product. For handling chemicals take common precautions.

3. COMPOSITION / SPECIFICATIONS REF. THE INGREDIENTS

CHEMICAL CHARACTERIZATION

Description: Mixture
Ingredients: Electrochemically activated table salt solution, pH 7 – 8

Component	Concentration	Cas-Nr.	Labelling	R-phrases
Hypochlorous acid, HOCl	0,003 - 0,015 % 30 - 150 mg/L	7790-92-3	-	-
Sodium chloride, NaCl	0,5 - 0.9 % 5,0 - 9.0 g/L	7647-14-5	-	-
Water H2O	> 99 %	7732-18-5		
Active parameter				
Hypochlorous acid, HOCl	30 - 150 mg/L			
ORP (Ag/AgCl-electrodes)	+850 to +950 mV			

Additional references: None

4. FIRST AID MEASURES

General advice: No special measurements required
In case of eye contact: In case of unpleasing sensations rinse thoroughly with plenty of water
In case of skin contact: In case of unpleasing sensations rinse with water
If inhaled: Not applicable
If swallowed: Drink plenty of water
Note for physicians: Not applicable

5. FIREFIGHTING MEASURES

Suitable extinguishing media: Not applicable, product doesn't burn
Unsuitable extinguishing media: None
Spezial protective equipment: None
Special risks during fire-fighting: None
Further information: None

6. ACCIDENTAL RELEASE MEASURES

Personal precautions: Avoid contact with eyes
protective equipment: None, dilute product with water
Environmental precautions: No special measurements requested
Methods and materials for containment and cleaning up: Rinse with water

7. HANDLING AND STORAGE

Precautions for safe handling:	Avoid contact with eyes
Conditions for safe storage:	Store at room temperature, keep containers closed
Requirements for storage rooms:	No special requirements
Note for clustering:	Do not store near acids.
Recommended storage conditions:	Protect from solar irradiation and freezing, recommended storage temperature 5 to 25°C

8. EXPOSURE CONTROLS/PERSONAL PROTECTION

Appropriate engineering controls:	Handle in accordance with good industrial hygiene and safety practice.
Respiratory protection:	Needless
Skin protection:	Nitrile rubber gloves during long-lasting handling of undiluted product are recommended, apart from that needless.
Eye protection:	Wear goggles
Body Protection:	Needless
General precautions:	Wash hands before breaks and at the end of workday.

9. PHYSICAL AND CHEMICAL PROPERTIES

Appearance:	Fluid
Color:	Without color
Odour:	Faint odour
pH at 25°C:	7.0 – 8.0
Melting point °C:	0 to -3
Boiling point °C:	95 to 100
Flash point °C:	Not applicable
Flammability °C:	Not applicable
Self-flammable:	Not self-flammable
Oxidizing properties:	No fire accelerant
Lower explosive limit (Vol. %):	Not applicable
Upper explosive limit (Vol. %):	Not applicable
Density at 25°C (g/cm ³):	1,001 to 1,004
Water solubility:	Completely miscible

10. STABILITY AND REACTIVITY

Chemical stability:	12 months (unopened at 20°C)
Hazardous decomposition products:	No hazardous decomposition products
Incompatible materials:	Avoid contact with acids

11. TOXICOLOGICAL INFORMATION

Acute toxicity:	No data available
Acute toxicity of Sodiumhypochlorit:	LD50 (oral mice) 5.800 mg/kg body weight
Primary skin irritation:	No irritation
Primary eye irritation:	Possible
Primary respiratory irritation:	No irritation
Allergization:	No data available
Germ cell mutagenicity:	No data available
Reproductive toxicity:	No data available
Practical experience:	No adverse effects reported
Additional Information:	No data available

12. ECOLOGICAL INFORMATION

Ecotoxic action:	No water hazard
Action in sewage works:	Uncritical
Mobility in soil:	Uncritical
Information for elimination:	As pure mineral product not eliminable
Bioaccumulative potential:	No data available
Other adverse effects:	No data available
Additional ecological information:	No data available

13. DISPOSAL CONSIDERATIONS

Product:	Dilute with water
Packaging:	Dispose PP and PE containers according to local regulations

14. TRANSPORT INFORMATION

No hazardous material as defined in transportation directives.
DOT-Classification, ADR (2011); IMDG-Code (2011, 35. Amdt.); IATA-DGR (2012).

15. REGULATORY INFORMATION

Classification according to EU Directive 67/548/EEC:	C (base metals)
Labelling according Regulation (EC) No 1272/2008:	not applicable
water hazard class:	1

16. OTHER INFORMATION

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