

# SAFETY DATA SHEET

Version: 01.09.2019

In accordance with 1907/2006/EG, Article 31

## 1. IDENTIFICATION OF PRODUCT AND COMPANY

<b>Product name:</b>	<b>ANOSAN TW<sup>®</sup></b>
<b>Utilization of the product:</b>	The <b>ONLY</b> market available solution to Legionella in pipes that is cheap, non toxic, and not requiring building evacuation. Biofilm accumulation in water pipes is completely removed within a few weeks
<b>Brand:</b>	<b>ANOSAN TW<sup>®</sup></b>
<b>Manufacturer / Supplier:</b>	<b>Ecabiotec Middle East Manufacturing LLC</b> 98901 Dubai, United Arab Emirates under license of Ecabiotec AG, Germany Tel. +971 4 429 11 34 Fax +971 4 429 11 34
<b>Emergency information:</b>	<b>+971 56 400 7724</b>

## 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
Sodium hypochlorite	0,02 - 0,08 % 200 - 800 mg/L	7681-52-9	-	-
Sodium chloride	0,8 % 8,0 g/L	7647-14-5	-	-
<b>Sum parameter</b>				
Sodium hypochlorite as active chlorine	200 – 800 mg/L			
ORP (Ag/AgCl-electrodes)	250-350 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 <sup>3</sup> ):	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.

## 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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