

Safety Data Sheet

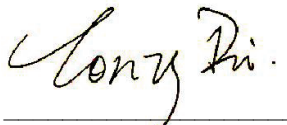
Regulation (EC) No. 1907/2006, 1272/2008

Version No.: 1.0 Print Date: Sept. 28, 2020 Page 1/1

MSDS REPORT

MSDS Report No. : WUX202009233130MSDS
Compilation Date : Sept. 28, 2020
Sample Name : Disinfectant Generator
Composition/Ingredient of The Sample : See Section 3 on the MSDS
Service Requested : Safety Data Sheet (MSDS) for the sample with submitted composition.
Summary : As per request, the contents and formats of the MSDS are prepared in accordance with Regulation (EC) No 1907/2006, 1272/2008, Regulation (EU) No 2015/830 and are provided per attached.

Signed for and on behalf of
Technical Center:



1 Identification

- **Product identifier**
- **Trade name:** Disinfectant Generator
- **Recommended use of the chemical and restrictions on use**
- **Application of the substance/ mixture:** Generate disinfectant

- **Details of the supplier of the safety data sheet**
- **Manufacturer/Supplier:**
E-Storm Solutions, 61 Bridge Street, Kington, HR5 3DJ
- **Tel:** 0754 0462041
- **Email:** support@estormsolutions.com
- **Only Representative/other EU contact point:** Information not available.
- **Further information obtainable from:** E-Storm Solutions

- **Emergency telephone number:** 0754 0462041

General in EU

112 (Available 24 hours a day)

SECTION 2: Hazards identification

- **2.1 Classification of the substance or mixture**
Classification according to regulation (EC) 1272/2008:
 - **Classification system:** Not applicable

The classification is according to the latest edition of Regulation 1272/2008, and extended by company and literature data.
- **2.2 Label elements**
 - **Labeling according to Regulation (EC) No 1272/2008:** The product is labeled according to Regulation (EC) No 1272/2008.
 - **Hazard pictograms:** Not applicable
 - **Signal word:** Not applicable
 - **Hazard statements:**
 - **Precautionary statement:** Not applicable
- **2.3 Other hazards**
 - **Results of PBT and vPvB assessment**
PBT: Not applicable
vPvB: Not applicable

3 Composition/information on ingredients

- **Chemical characterization:** Mixture
- **Description:**
Mixture of the substances listed below with nonhazardous additions; For the wording of the listed risk phrases refer to section 16.
- **Components:**

CAS No.	Composition Name	%, w/w
7681-52-9	Sodium Hypochlorite	0.02
7732-18-5	Water	99.98

4 First aid measures

• **Description of first aid measures**

After inhalation: Supply with fresh air. Call for doctor/physician if you feel unwell.

After eye contact: Rinse thoroughly with plenty of water for at least 15 minutes. Remove contact lenses, if present and easy to do. Continue rinsing. Immediately call a poison center/doctor.

After swallowing: Wash mouth with water; Do NOT induce vomiting. Immediately call a poison center/doctor.

• **Information for doctor**

• **Most important symptoms and effects, both acute and delayed:** The most important known symptoms and effects are described in the labelling (see section 2.2) and/or in section 11

• **Indication of any immediate medical attention and special treatment needed:** Treat according to symptom, there is not known specific medicine.

5 Fire-fighting measures

• **Suitable extinguishing agents:** Use CO₂, chemical powder, water spray or alcohol resistant foam to extinguish.

• **Special hazards arising from the substance or mixture:** May produce Carbon oxides and corrosion/ irritant vapor under fire.

• **Special protective equipment and precaution for firefighters**

Advice for firefighters: Wear self-contained breathing apparatus for firefighting if necessary.

6 Accidental release measures

• **Personal precautions, protective equipment and emergency procedures:**

Cut off the leakage source, and collect spillage timely if safe do it; Eliminate all ignition sources (no smoking, flares, sparks or flames in immediate area); Ensure adequate ventilation; Beware of accumulation of vapor in low areas or contained areas, where explosive concentrations may occur; Use respiratory protective device against the effects of vapor; Do not breathe breathing vapor. Wear protective gloves /eye protection/face protection; Avoid contact with eyes; Avoid release to the environment.

• **Environmental precautions:**

Prevent further leakage or spillage if safe to do so. Do not allow the product to enter surface or ground water.

• **Methods and material for containment and cleaning up:**

Absorb with liquid-binding material (sand, diatomite, acid binders, universal binders, sawdust); Ensure good ventilation; Dispose contaminated material as waste according to item 13.

7 Handling and storage

• **Handling**

• **Precautions for safe handling:**

Avoid contact with skin and eyes. Avoid inhalation of vapour or mist.

Use explosion-proof equipment. Keep away from sources of ignition - No smoking. Take measures to prevent the build up of electrostatic charge.

For precautions see section 2.2.

• Information about fire and explosion protection:

Keep away from heat/sparks/open flames/hot surfaces. – No smoking.

Ground/Bond container and receiving equipment.

Use explosion-proof electrical/ventilating/ lighting equipment.

Use only non-sparking tools.

Take precautionary measures against static discharge

• Conditions for safe storage, including any incompatibilities

• Requirements to be met by storerooms and receptacles: Store in a well-ventilated place. Keep cool.

• Information about storage in one common storage facility: Keep out of reach of children; Keep away from flammable substance.

• Further information about storage conditions: Store locked up.

8 Physical and chemical properties

• Information on basic physical and chemical properties

• Appearance:

Form	Liquid
Color	Colorless
Odor	Odorless
Odor threshold	Not determined.
• pH-value	6-8.6.
• Change in condition	
Melting point/melting range	Not determined.
Boiling point and boiling range	Not determined.
• Freezing point	Not determined.
• Flash point	Not determined.
• Flammability (solid, gas)	Not applicable
• Auto-ignition temperature	Not applicable
• Decomposition temperature	Not determined.
• Self-ignition	Product is not self-ignition.
• Danger of explosion	Product does not present explosive hazard.
• Explosion limits	
Lower:	Not determined.
Upper:	Not determined.
• Oxidizing properties	oxidability.
• Vapor pressure	Not determined.
• Density	Not determined.
• Relative density	Not determined.
• Vapor density	Not determined.

· <i>Evaporation rate</i>	<i>Not determined.</i>
· <i>Solubility in/Miscibility with</i>	
<i>Water</i>	<i>Soluble in water</i>
· <i>Partition coefficient (n-octanol/water)</i>	<i>Not determined.</i>
· <i>Viscosity</i>	
<i>Dynamic</i>	<i>Not determined.</i>
<i>Kinematic</i>	<i>Not determined.</i>
· <i>Other information</i>	<i>Data not available</i>

9 Stability and reactivity

- **Reactivity:** *No decomposition if used according to specification.*
- **Chemical stability:** *Stable under recommended storage conditions.*
- **Possibility of hazardous reactions:** *No known hazardous reaction.*
- **Conditions to avoid:** *High temperature.*
- **Incompatible materials:** *Strong acid, strong oxidizing agent and flammable substance.*
- **Hazardous decomposition products:** *No known hazardous decomposition products.*

10 Toxicological information

- **Acute toxicity:** *Quantitative data on the toxicity of this product are not available. Inhalation of the dusts should be avoided as even inert dusts may impair respiratory organ functions.*
 - **LD/LC50 values that are relevant for classification:** *No animal tested has been done for this product.*
 - **Primary irritant effect:**
 - **On the skin:** *No irritant effect.*
 - **On the eye:** *No irritating effect.*
 - **Sensitization:** *No sensitizing effects known.*
- Additional toxicological information:**
The product is not subject to classification according to the calculation method of the General EU Classification Guidelines for Preparations as issued in the latest version.
- **Carcinogenic categories**
 - **IARC (International Agency for Research on Cancer):** *None of the ingredients is listed.*
 - **NTP (National Toxicology Program):** *None of the ingredients is listed.*

11 Ecological information

- **Toxicity**
- **Aquatic toxicity:** *Not hazardous to aquatic environment.*
- **Persistence and degradability:** *Readily degradable.*
- **Bio-accumulative potential:** *Low bio-accumulation.*

- *Mobility in soil: Data not available.*
- *Additional ecological information*
- *Other adverse effects: No further relevant information available.*

12 Disposal consideration

- *Waste treatment methods*
- *Recommendation: Must not be disposed together with household garbage; Disposed it must be in according to the local regulation.*
- *Un-cleaned packaging*
- *Recommendation: Dispose of contents/container in according to the local regulation.*

13 Transport information

• <i>UN-Number</i> <i>ADR, RID, ADN, IMDG, IATA</i>	<i>Not regulated as dangerous good, not applicable</i>
• <i>UN proper shipping name</i> <i>ADR, RID, ADN, IMDG, IATA</i>	<i>Void</i>
• <i>Transport hazard class (es)</i> <i>ADR, RID, ADN, IMDG, IATA</i> <i>Class</i>	<i>Void</i>
<i>Label</i>	
• <i>Packing group</i> <i>ADR, RID, ADN, IMDG, IATA</i>	<i>Void</i>
• <i>Environmental hazardous</i> <i>Marine pollution</i>	<i>No</i>
• <i>Special precautions for user</i>	<i>Void</i>
• <i>Transport in bulk according to Annex II of MARPOL 73/78 and the IBC Code</i>	<i>Not applicable</i>
• <i>UN "Model Regulation"</i>	<i>Not applicable</i>

14 Regulatory information

- *Safety, health and environmental regulations/legislation specific for the substance or mixture*
- *MAK (German Maximum Workplace Concentration):*
- *Directive 2012/18/EU*
- *Named dangerous substances-ANNEX I: None of the ingredients is listed.*

- **National regulations.**
- **Water hazard class:** *Water hazard class 1 (German Regulation) (self-assessment): Slightly hazardous for water.*
- **Other regulations, limitations and prohibitive regulations**
- **SVHC Candidate list of REACH Regulation Annex XIV Authorization:** *None of the ingredients is listed.*
- **REACH Regulation Annex XVII Restriction:** *None of the ingredients is listed.*
- **REACH Regulation Annex XIV Authorization List:** *None of the ingredients is listed.*
- **Chemical safety assessment:** *A Chemical Safe Assessment has not been carried out.*

15 Other information

Relevant phrases:

The contents and format of this MSDS are in accordance with Regulation (EC) No 1907/2006, 1272/2008 and Regulation (EU) No 2015/830.

DISCLAIMER OF LIABILITY:

The information in this MSDS was obtained from sources which we believe are reliable. However, the information is provided without any warranty, express or implied, regarding its correctness. The conditions or methods of handling, storage, use or disposal of the product are beyond our control and may be beyond our knowledge. For this and other reasons, we do not assume responsibility and expressly disclaim liability for loss, damage or expense arising out of or in any way connected with the handling, storage, use or disposal of the product. This MSDS was prepared and is to be used only for this product. If the product is used as a component in another product, this MSDS information may not be applicable.

• **Abbreviations and acronyms:**

ADR: *Accord européen sur le transport des marchandises dangereuses par Route (European Agreement concerning the International Carriage of Dangerous Goods by Road).*

IMDG: *International Maritime Code for Dangerous Goods.*

IATA: *International Air Transport Association.*

CAS: *Chemical Abstracts Service (division of the American Chemical Society)*

SVHC: *Substance of Very High Concern*

LD50: *Not applicable*

LC50: *Not applicable*

End of safety data sheet