

Material Safety Data Sheet

Revision: 12-03-2019 Replaces: 18-08-2018 Version: 1.4 / UK

Section 1: Product and company identification

1.1. Product identifier

Technical name: DEW Electrolysed Water Disinfectant or Anolyte
Trade Name Legends Sanitiser.

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

Recommended uses: General purpose Disinfection.

Use biocides safely. Always read the label and product information before use. This safety data sheet contains general information concerning the chemical, but specific instructions and guidelines are indicated on the product label and in the instructions for use.

1.3. Details of the supplier/manufacturer of the safety data sheet.

Supplier: Ecoanolytes Limited
6 Lawside Road Dundee. DD3 6BQ Scotland.

Section 2: Hazards identification

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

The product shall not be classified as hazardous according to EU classification and labelling rules.

2.1 Main Hazards:

2.2 Health effects Eyes: 2.3 Health effects Skin:

DEW Disinfection products in their strongest form (C.ac >260mg/l) in rare cases may cause irritation to the eyes, sensitive skin and throat. Where the solution is stored in bottles one should not try to smell or inhale the evaporations.

DEW Disinfection products in their strongest form may cause irritation to people with sensitive eyes.

DEW Disinfection products in their strongest form may cause slight irritation to very sensitive skin or open wounds.

2.4 Health effects Ingestion: Swallowing of the solution in its strongest form may cause minor irritation to the throat and digestive tract.

2.5 Health effects Inhalation: During generation of DEW Disinfection products, particularly its strong form, unless there is adequate ventilation there may be a build up of fumes which may cause dizziness and nausea.

Section 3: Composition and information on the ingredients

DEW Disinfection products contains active chlorine compounds such as HClO (FAC in mg/l or ppm) in the range of 0.025-0.03% generated from sodium chloride by means of electrolysis. The average/standard amount of active chlorine is ~0.026%. The solution contains no compounds as per the regulations for toxic compounds (67/548/EWG)

Main ingredients

Sodium Chloride Hypochlorous acid Water

Section 4: First aid Measures 4.1. Description of first aid measures

CAS-No EINECS-No Wt/vol % Symbols

7647-14-5 231-598-3 0.174% NaCl 7790-92-3 232-232-5 0.026%

HClO 7732-18-5 231-791-2 99.8% H₂O

Eye contact: Skin Contact: water. Ingestion: Inhalation:

Where irritation occurs flush with cool fresh water.

Where irritation occurs wash the skin wash with soap and warm

Drink cool fresh water to flush through and dilute.

Remove at once to fresh air if dizziness and nausea persist seek medical attention

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

May cause slight irritation to the skin and eyes.

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

Treat symptoms. No special immediate treatment required.

Section 5: Fire Fighting Measures

There are no special requirements for DEW Disinfection products, they are not flammable

Section 6: Accidental Release Measures 6.1. Personal precautions:
None.

6.2. Environmental precautions:

The solution is biodegradable and has a limited activation period so there are no potential risks to the environment.

6.3. Methods and material for containment and cleaning up

6.4. Reference to other sections

Wipe up with disposable towels there are no special disposal instructions.

See section 8 for type of protective equipment. See section 13 for instructions on disposal.

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Section 7: Handling and Storage

7.1. Precautions for safe handling:

In the area where the solution is being produced there must be good ventilation. Preferably local exhaust ventilation. For those with very sensitive skin it may be advisable to wear gloves.

7.2 Conditions for safe storage including any incompatibilities :

7.3. Specific end use(s)

Store in a cool dry ventilated area in sealed plastic containers and ensure the solution is correctly labelled

None

Section 8: Exposure Control/ Personal Protection

8.1. Control parameters

Legal basis: Directive 2000/39/EC as subsequently amended.

Contains no substances subject to reporting requirements.

8.2. Exposure controls Engineering control procedures:

Respiratory Protection:

Hand protection:

Eye and facial protection: Body protection:

Where the solution is being generated on site some engineering solutions should be implemented to prevent the build up of fumes particularly where production facility has inadequate ventilation.

Mechanical fume extraction may be advised in this situation.

Documented process, safety controls and personnel protection where necessary, gloves, mask etc.

Where there is a high risk to fumes build up due to inadequate ventilation in a processing area a respirator should be worn.

Where service personnel have sensitive skin the strongest solution may cause irritation and therefore protective gloves should be worn.

There are no requirements.

Normal industrial work wears to avoid exposed skin when handling neat strong solution.

Section 9: Chemical and Physical Properties

Physical state:

Colour and Appearance: Odour:

Solubility in water: PH-values:

Liquid

Clear, transparent liquid (like water)

Faint odour similar to bleach, depending on strength of the solution

Completely soluble

6.2 - 6.7

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Melting-point: 0oC. Boiling-point: 100oC. Fire-focus: N/A

Flammability: None Upper/lower flammability limits: No data

Explosive:

Upper/lower explosive limits:

N/A

No data Density: app. 1,000 kg.m³ app. 2,330 Pa

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Steam-pressure: Relative density:

Section 10:

Stability and Reactivity

10.1. Reactivity

10.2. Chemical stability

Not reactive.

The product is stable when used in accordance with the supplier's directions.

10.3. Possibility of hazardous reactions None known.

10.4. Conditions to avoid

10.5. Incompatible materials

None known.

None known.

10.6. Hazardous decomposition products

None known.

Section 11: Toxicological Information

Acute toxicity - oral:

Acute toxicity - dermal: Acute toxicity - inhalation: Skin corrosion/irritation:

Ingestion of large quantities may cause discomfort. The product does not have to be classified. Test data are not available.

The product does not have to be classified. Test data are not available.

The product does not have to be classified. Test data are not available.

May cause slight irritation. The product does not have to be classified. Test data are not available.

Serious eye damage/eye irritation:

May cause eye irritation. The product does not have to be classified. Test data are not available.

Respiratory sensitisation or skin sensitisation:

Germ cell mutagenicity: Carcinogenic properties: Reproductive toxicity: Single STOT exposure:

The product does not have to be classified. Test data are not available. The product does not have to be classified. Test data are not available. The product does not have to be classified. Test data are not available. The product does not have to be classified. Test data are not available. Inhalation of vapours may cause irritation to the upper airways.

The product does not have to be classified. Test data are not available.

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Repeated STOT exposure: Aspiration hazard:

Other toxicological effects:

The product does not have to be classified. Test data are not available. The product does not have to be classified. Test data are not available. None known.

Section 12: Environmental Information

12.1. Toxicity

The product does not have to be classified. Test data are not available.

12.2. Persistence and degradability

Expected to be biodegradable. Test data are not available.

12.3. Bioaccumulative potential

No bioaccumulation expected. Test data are not available.

12.4. Mobility in soil

12.5. Results of PBT and vPvB assessment

12.6. Other adverse effects

Test data are not available.

The product does not contain any PBT or vPvB substances.

None known.

Disposal Procedures

There are no special disposal procedures.

Transport procedures

The product is not covered by the rules for transport of dangerous goods.

Section 13:

Section 14:

14.1. UN number -

14.2. UN proper shipping name -

14.3. Transport hazard class(es) -

14.4. Packing group -

14.5. Environmental hazards -

14.6. Special precautions for user -

14.7. Transport in bulk according to Annex II of MARPOL73/78 and the IBC Code –

Section 15: Regulatory Information

Regulation (EU) No 528/2012 of the European Parliament and of the Council of 22 May 2012 concerning the making available on the market and use of biocidal products. Envirolyte ECA UK Ltd.

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15.1. Safety, health and environmental regulations/legislation specific for the substance or mixture Special provisions: None.

15.2. Chemical safety assessment

Chemical safety assessment has not been performed.

Section 16: Other Information

Abbreviation explanations:

Classification method: H-phrases:

Training:

PBT: Persistent, Bioaccumulative and Toxic vPvB: Very Persistent and Very Bioaccumulative STOT: Specific Target Organ Toxicity
Calculation based on the hazards of the known components.

No H-phrases.

A thorough knowledge of this safety data sheet should be a prerequisite condition. The information contained in this document is based on data considered to be accurate at the time of publication and is given free of charge. It is representative of typical product but batches may exhibit minor variations. In case of doubt or for clarification Ecoanolytes Ltd. should be consulted. Ecoanolytes Ltd. is unable to anticipate all conditions under which the product may be used, and users are advised to carry out an assessment of workplace risk and carry out their own tests to determine Safety and Suitability for the process and conditions of use.

This safety data sheet has been prepared for and applies to DEW Disinfectant Ready-to-Use disinfection products. It is based on our current knowledge and the information that the supplier was able to provide about the product at the time of preparation. The safety data sheet complies with applicable law on preparation of safety data sheets in accordance with 1907/2006/EC (REACH) as subsequently changed.

Other information:

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DEW Disinfection Products