

SAFETY DATA SHEET

OSHA HCS (29 CFR 1910.1200)



SECTION 1: PRODUCT AND COMPANY IDENTIFICATION

Product identifier

Chemical Name
Trade Name
CAS No.

Electrolysed Water

ASPIDA
Mixture

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

Identified Use(s)
Uses Advised Against

DISINFECTANT
None

Details of the supplier of the safety data sheet

Company Identification

Vitec Aspida Limited
22 St James's Square
London, SW1Y 4JH
United Kingdom

Email

info@vitec-aspida.com

Emergency telephone number

Emergency Phone No.

Infotrac
1-800-535-5053 (USA & Canada)
1-352-323-3500 (International)

SECTION 2: HAZARDS IDENTIFICATION

Classification of the substance or mixture

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

The product shall not be classified as hazardous

Label elements



Hazard Symbol(s)

Signal Word(s)

WARNING

Hazard Statement(s)

If swallowed may cause irritation to the throat and digestive tract
May cause irritation to sensitive skin or open wounds
May cause irritation to eyes
Inhalation of fumes in poorly ventilated areas may cause dizziness and nausea

Precautionary Statement(s)

Wear protective gloves / eye protection
Do not eat or drink when using this product.

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Other hazards None

Additional Information None

SECTION 3: COMPOSITION/INFORMATION ON INGREDIENTS

Composition/information on ingredients	%W/W	CAS No.	Hazard classification
Hypochlorous Acid	0.05	7790-92-3	none
Sodium Chloride	0.26	7647-14-5	none
Water	99.69	7732-18-5	none

Additional Information - Substances in the product which may present a health or environmental hazard, or which have been assigned occupational exposure limits, are detailed below. – **None**

SECTION 4: FIRST AID MEASURES



Description of first aid measures

Inhalation	Move person to fresh air.
Skin Contact	Where irritation occurs wash with soap and water.
Eye Contact	Where irritation occurs rinse with cool fresh water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.
Ingestion	Drink cool fresh water to flush through and dilute. If any symptoms develop, obtain medical attention

Most important symptoms and effects, both acute and delayed None

Indication of any immediate medical attention and special treatment needed None

SECTION 5: FIRE-FIGHTING MEASURES

ASPIDA is not flammable.



SECTION 6: ACCIDENTAL RELEASE MEASURES

Personal precautions, protective equipment and emergency procedures None

Environmental precautions None

Methods and material for containment and cleaning up None

Reference to other sections None

Additional Information None

SECTION 7: HANDLING AND STORAGE

Precautions for safe handling Use product in a well-ventilated area. Wear protective gloves/eye protection

Conditions for safe storage, including any incompatibilities

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

Incompatibilities None

Specific end use(s) None

SECTION 8: EXPOSURE CONTROLS/PERSONAL PROTECTION

Control parameters Contains no substances subject to reporting requirements (Directive 2000/39/EC as subsequently amended.)

Occupational Exposure Limits

SUBSTANCE.	CAS No.	Limit value of concentration (STEL)		
		Long Term exposure limit value (Mg/m ³) & ppm	Short Term exposure limit value (mg/m ³) & ppm	Threshold limit value (mg/m ³) & ppm
None				

Exposure controls

Appropriate engineering controls Ensure adequate ventilation.

Personal protection equipment The following to be used as necessary:

Eye/face protection Wear protective eyewear (goggles or safety glasses).



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Skin protection (Hand protection/ Other)

Gloves (Butyl rubber). Check with protective equipment manufacturer's data.



Respiratory protection

Not normally required. In case of insufficient ventilation, wear suitable respiratory equipment. Check with protective equipment manufacturer's data.

Environmental Exposure Controls

None

SECTION 9: PHYSICAL AND CHEMICAL PROPERTIES

Information on basic physical and chemical properties

Appearance	Liquid
Colour.	Clear (like water)
Odour	Slight chlorine odour
pH (Value)	4-7
Melting Point (°C) / Freezing Point (°C)	0°
Boiling point/boiling range (°C):	100°
Flash Point (°C)	Not applicable.
Evaporation Rate	~1 (water = 1)
Flammability (solid, gas)	Not applicable.
Explosive Limit Ranges	Not applicable.
Vapour pressure (Pascal)	c.2,330
Vapour Density (Air=1)	1
Density (g/ml)	1
Solubility (Water)	Soluble
Solubility (Other)	Not applicable
Partition Coefficient (n-Octanol/water)	Not applicable.
Auto Ignition Point (°C)	Not applicable.
Decomposition Temperature (°C)	Not applicable.
Kinematic Viscosity (cSt) @ 40°C	Not applicable.
Explosive properties	Not applicable.
Oxidizing properties	Strong oxidizer
Other information	Not available.



SECTION 10: STABILITY AND REACTIVITY

Reactivity	constantly resolves emitting chlorine. Decay velocity depends on temperature, concentration, light effect, pH, microbiological and organic contamination of environment. Neutralizes by itself.
Chemical stability	Stable
Possibility of hazardous reactions	None anticipated.
Conditions to avoid	Heat, sunlight. Do not mix with other materials and preparations except clean water.
Incompatible materials	None
Hazardous decomposition product(s)	None

SECTION 11: TOXICOLOGICAL INFORMATION

Exposure routes: Inhalation, Skin Contact, Eye Contact

Information on toxicological effects

Acute toxicity*
Irritation / Corrosivity
Sensitization
Repeated dose toxicity
Mutagenicity
Carcinogenicity

The product does not have to be classified

Ingestion of large quantities may cause discomfort
May cause dizziness and nausea
May cause eye irritation.
May cause skin irritation.
N/A
Negative

NTP	IARC	ACGIH	OSHA
No.	No.	No.	No.
Developmental Toxicity		Negative	
Toxicity for reproduction		Negative	
Other information		N/A	

SECTION 12: ECOLOGICAL INFORMATION

Substances in preparations / mixtures:

Hazardous for pathogenic organisms, viruses, and mildew fungi as a Disinfectant.

Ecotoxicity (toxicity for water, soil organisms, other animals and plants) - lethal concentrations:

- Daphnias: tests have established that concentrated solutions attenuated in ratio 1: *500 are not hazardous for Daphnias;

Mobility: rapidly dissolves and resolves in water, dissipates

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Bioaccumulation: no

Results of PBT and vPvB assessment: The product does not contain any PBT or vPvB substances

Data on other effects: no

SECTION 13: DISPOSAL CONSIDERATIONS

Waste treatment methods There are no special disposal procedures. Disposal should be in accordance with local, state or national legislation.

Additional Information None known.

SECTION 14: TRANSPORT INFORMATION

No dangerous goods in terms of dangerous goods regulations for transport by ground, sea and air (ARD/ RID und GGVSE, IMDG/GGVSee, ICAO-TI, IATA-DGR)

SECTION 15: REGULATORY INFORMATION

EU-regulation	1967/548 (1999/45); 1991/689 (2001/118); 1999/13; 2004/42; 648/2004; 1907/2006 (REACH); 1272/2008; 75/324/EWG (2008/47/EG); 453/2010/EG
Transport regulation	ARD (2013); IMDG-Code (2013, 36. Amdt.); IATADGR (2013)
National regulation (DE)	GefSto V 2011; WRMG; WHG; TRG 300; TRGS 200, 220, 615, 900 und 905
Water-endangering class	nwg (non waterendangering) VwVwS 27.7.2005 (version: 2013)
Ordinance regulating the handling of incidents TA-air GISBAU, product code Storage class (TRGS 510)	No Not applicable Not applicable LGK 12: not in flammable liquids
Employment restrictions	No
VOC (1999/13/EG) Other regulations	0% Not applicable

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Chemical safety assessment	Was not performed
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SECTION 16: OTHER INFORMATION

Date of preparation: January 2018

Abbreviation explanations: PBT: Persistent, Bioaccumulative and Toxic
vPvB: Very Persistent and Very Bioaccumulative

Training advice: A thorough knowledge of this safety data sheet should be a prerequisite condition.

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