

SAFETY DATA SHEET

1. IDENTIFICATION OF SUBSTANCE / PREPARATION AND COMPANY

Product Name **Accepta 2578**

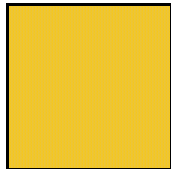
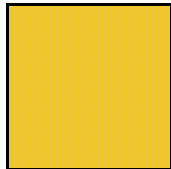
Application A liquid biocide for the control of bacteria, fungi and algae in open recirculating cooling systems, evaporative condensers and closed systems.

Supplier **Accepta Ltd**
 Statham House, Talbot Rd,
 Manchester, M32 0FP, UK
 Tel:+44 (0)161 877 2334 Fax:+44 (0)870 135 6389

2. COMPOSITION / INFORMATION ON INGREDIENTS

Chemical name	CAS No	% (active)	EINECS-No.	Symbols	R-phrases
Sodium hypochlorite	7681-52-9	5 - 15%	231-668-3	C-Corrosive,	R31, R34, , ,
Caustic soda	001310-73-2	1 - 5%	215-185-5	C-Corrosive,	R35, , , ,
				,	, , , ,
				,	, , , ,
				,	, , , ,
				,	, , , ,

3. HAZARDS IDENTIFICATION



Physical / chemical hazards: Irritant

Environmental Hazards: Nil

Human health hazards: Irritating to eyes and skin

4. FIRST AID MEASURES

Ingestion: Irritating to mouth and gastrointestinal tract.

Drink plenty of water. Do not induce vomiting.

Inhalation: Irritating to respiratory tract

Remove to fresh air. Obtain medical advice if symptoms persist.

Skin contact: Irritation and redness of skin. Soreness on prolonged contact.

Wash with soap and water. Remove contaminated clothing for washing. Consult doctor in accordance with symptoms.

Eye contact: Severe irritation. Prolonged contact may cause damage.

Immediately rinse eye with sterile water for 20 minutes. Seek medical advice.

Notes to doctor: None

5. FIRE FIGHTING MEASURES

Flammability: Non-flammable
Extinguishing media: Water spray jet, extinguishing powder or foam, carbon dioxide .
Unsuitable extinguishing media: None
Hazardous decompositions: Thermal decomposition will evolve bromine which is toxic.
Protective equipment: Protective clothing and self-contained breathing apparatus.

6. ACCIDENTAL RELEASE MEASURES

Personal precautions: Wear full protective equipment - gloves, eye/face protection and overalls. Ensure sufficient air supply.
Environmental precautions: Do not allow to enter water courses.
Methods of clean up: Small spillages can be flushed to foul drain. Larger spillages should be contained, adsorbed onto inert material and collected into suitable plastic containers. Clearly label. Disposal should be handled by a licensed contractor in accordance with Waste Disposal regulations.

7. HANDLING AND STORAGE

Handling: No special precautions. Before eating, drinking or smoking wash hands with soap and water.
Storage: Store above 10 C. Do not allow to freeze. Ensure that the container is firmly secure when not in use.
Shelf life: >12 months
Suitable packaging: Polyethylene, polypropylene and stainless steel containers.
Unsuitable packaging: Metals and alloys.

8. EXPOSURE CONTROLS / PERSONAL PROTECTION

Exposure limits:	Substance:	Chlorine	
EH40	Long term WEL (8 Hr):	0.5 ppm	1.5 mg/m ³
	Short term WEL (15 min):	1 ppm	3 mg/m ³

Engineering measures: None
Respiratory protection: Not applicable.
Skin, hand and body protection: Overalls, boots and rubber gloves.
Eye protection: Chemical goggles or face shield.

9. PHYSICAL AND CHEMICAL PROPERTIES

Form:	Solution	Boiling point (C):	>100 C
Colour:	Orange solution	Decomposition temp (C):	Decomposes on heating
Odour:	Chlorine	Specific Gravity:	1.33
Molecular weight:		Solubility:	Completely miscible
pH:	>11	Flash point (C):	

10. STABILITY AND REACTIVITY

Stability: Stable under normal conditions May crystallise below 0 C.

Thermal decomposition: Releases bromine.

Conditions to avoid: High temperatures and evaporation of water.

Materials to avoid: Normally unreactive.

Hazardous reactions: Reacts with acids to release bromine.

Decomposition products: Bromine

11. TOXICOLOGICAL INFORMATION (of hazardous constituents)

Acute toxicity: Oral; Sodium hypochlorite Corrosive
Dermal: Sodium hypochlorite Corrosive
Inhalation: Exposure to a mist or spray causes irritation of mouth, throat and digestive tract.
Eye: Corrosive

Other data:

12. ECOLOGICAL INFORMATION

Biodegradability and persistence: Degrades rapidly in soil or water.

Ecotoxic effects: Toxic to aquatic organisms, fish and wildlife.

Other data: The product is substantially removed in biological treatment processes.

13. DISPOSAL CONSIDERATIONS

Methods of disposal: Small quantities can be disposed of via a foul drain. Larger quantities should be handled by a licensed contractor in accordance with Waste Disposal Regulations.

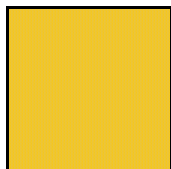
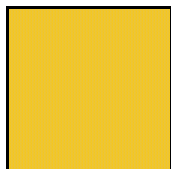
Packaging disposal: Return empty containers to the supplier for recycling or destroy by cutting up or by incineration. Do not use for potable water.

14. TRANSPORT INFORMATION

UN No.: 1791 Proper shipping name: PROPER SHIPPING NAME - HYPOCHLORITE SOLUTION

Mode	Regulation	Class	Packing group	Ems No.	Stowage	Code	Subsidiary risk
Road/Rail	European - ADR/RID	8	III				
Sea	IMO / IMDG	0	0	0	0		0
Air	ICAO / IATA						

15. REGULATORY INFORMATION (Classification and labelling according to UK CHIP Regs/EEC Directive 88/379/EEC)



Risk Phrases

R31 Contact with acids liberates toxic gas

R36/38 Irritating to eyes and skin

Safety phrases

S26 In case of contact with eyes, rinse immediately with plenty of water and seek medical advice

S28 After contact with skin, wash immediately with plenty of water.

S37 Wear suitable gloves

S50 Do not mix with acids

16. OTHER INFORMATION

The above information is based on current knowledge at the time of publication and is given in good faith. Accepta Ltd implies no warranty as to the suitability of the product for any purpose other than that outlined on the Product Data Sheet.

The information contained in this SDS does not constitute an assessment of work place risks. The customer should undertake a formal COSHH assessment which should ensure that employees are aware of the hazards / precautions detailed in the SDS. The COSHH assessment should ensure that the recommended safety equipment is available and where applicable, that the exposure limits detailed in section 8 are not being exceeded.

References: The Carriage of Goods by Road and Rail Regulations.
The Control of Substances Hazardous to Health Regulations (COSHH).
The Chemicals Hazard Information and Packaging Regulations (CHIP).