



## 5. FIRE FIGHTING MEASURES

Flammability:	Non-flammable
Extinguishing media:	Water spray jet, extinguishing powder or foam, carbon dioxide .
Unsuitable extinguishing media:	Powders
Hazardous decompositions:	Possible release of oxygen and chlorine dioxide.
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. Uncontrolled discharges must be alerted to the Environment agency or other appropriate body.
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:	Avoid direct contact with product. Do not swallow. Before eating, drinking or smoking wash hands with soap and water. Protect from the sun's rays and heat. Do not breathe vapours in a confined space.
Storage:	Store at ambient temperature. Do not allow to freeze. Store away from foodstuffs and acids. After dispensing product, ensure that the container is firmly secured.
Shelf life:	>12 months
Suitable packaging:	Polyethylene containers.
Unsuitable packaging:	Metals and alloys.

## 8. EXPOSURE CONTROLS / PERSONAL PROTECTION

Exposure limits:	Substance:	Chlorine dioxide	
EH40/2005	Long term WEL (8 Hr):	0.1 ppm	0.28 mg/m <sup>3</sup>
	Short term WEL (15 min):	0.3 ppm	0.84 mg/m <sup>3</sup>

Engineering measures:	Ensure adequate ventilation of working area.
Respiratory protection:	In case of insufficient ventilation, wear suitable respiratory equipment.
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:	Clear/pale yellow	Decomposition temp (C):	Decomposes on heating
Odour:	None	Specific Gravity:	1.21
Molecular weight:		Solubility:	Completely miscible
pH:	11.5 - 12.5	Flash point (C):	

## 10. STABILITY AND REACTIVITY

Stability: Stable under normal conditions.

Thermal decomposition: Toxic gases and vapours released on decomposition

Conditions to avoid: High temperatures and evaporation of water.

Materials to avoid: Metals and alloys.

Hazardous reactions: Reacts with acids to release chlorine dioxide

Decomposition products: Chlorine dioxide

## 11. TOXICOLOGICAL INFORMATION (of hazardous constituents)

Acute toxicity: Oral; Sodium Chlorite (100%) LD50 (Oral,Rat) 1019 mg/Kg  
Dermal: Sodium Chlorite (100%) Rabbit Non-irritative  
Inhalation:  
Eye: Highly irritative (Rabbit)

Other data:

## 12. ECOLOGICAL INFORMATION

Biodegradability and persistence: Sodium chlorite will oxidise organic matter in the environment and eventually end up as sodium chloride

Ecotoxic effects: Fish (Brachydanio rerio) LD50 (96Hrs) >500 mg/l

Other data:

## 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.

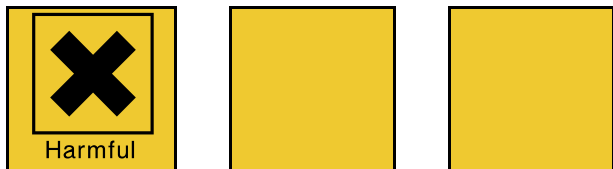
Packaging disposal: Return empty containers to the supplier for recycling or destroy by cutting up or by incineration. Do not use for potable water.

## 14. TRANSPORT INFORMATION

UN No.: 1908 Proper shipping name: PROPER SHIPPING NAME - CHLORITE SOLUTION with > 16% available chlorine

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

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



### Risk Phrases

- R22 Harmful if swallowed
- R31 Contact with acids liberates toxic gas
- R41 Risk of serious damage to eyes

### Safety phrases

- S14 Keep away from acids
- S17 Keep away from combustible material
- S26 In case of contact with eyes, rinse immediately with plenty of water and seek medical advice

## 16. OTHER INFORMATION

The above information is based on current knowledge of the product at the time of publication and is given in good faith.

It is believed to be correct but does not purport to be all-inclusive and shall therefore be used only as a guide. ACCEPTA LTD implies no warranty with respect to the quality, specification or the suitability of the product. The client/user must completely satisfy themselves that the product is entirely suitable for the intended purpose.

In no event shall ACCEPTA LTD be held liable for any injury, loss or damage, to persons, plant or equipment or loss of production/sales resulting from its use or storage.

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).