



## SAFETY DATA SHEET

### XzioX (Mixed)

According to Regulation (EC) No 1907/2006

#### 1 IDENTIFICATION OF THE SUBSTANCE/PREPARATION AND OF THE COMPANY/UNDERTAKING

PRODUCT NAME XzioX (Mixed)  
 APPLICATION General chemical reagent  
 SUPPLIER Ximax Water Solutions Limited  
 7 Western Gardens  
 Brentwood  
 Essex CM14 4SP  
 Tel: + 44 1277 849 988  
 Fax: + 44 1277 849 989  
 E: info@ximaxwatersolutions.com  
 EMERGENCY TELEPHONE Emergency Telephone : +44 (0) 1277 849 988 Between 8.30am- 7.30pm

#### 2 HAZARDS IDENTIFICATION

Irritating to eyes.

CLASSIFICATION Xi;R36.

#### 3 COMPOSITION/INFORMATION ON INGREDIENTS

Name	EC No.	CAS-No.	Content	Classification
CHLORINE DIOXIDE...%	233-162-8	10049-04-4	< 1	T;R25 C;R34 N;R50
SODIUM HYDROGENSULPHATE	231-665-7	7681-38-1	1-5%	Xi;R41

The Full Text for all R-Phrases are Displayed in Section 16

#### 4 FIRST-AID MEASURES

##### INHALATION

Remove victim immediately from source of exposure. Provide rest, warmth and fresh air. Get medical attention if any discomfort continues.

##### INGESTION

Do not induce vomiting. Immediately rinse mouth and drink plenty of water. Get medical attention.

##### SKIN CONTACT

Immediately remove contaminated clothing and wash before re-use. Wash the skin immediately with soap and water. Get medical attention if irritation persists after washing

##### EYE CONTACT

Promptly wash eyes with plenty of water or eye wash solution while lifting the eyelids. If possible remove any contact lenses and continue to wash. Get medical attention

#### 5 FIRE-FIGHTING MEASURES

##### EXTINGUISHING MEDIA

The product is non-combustible. Use fire-extinguishing media appropriate for surrounding materials.

##### SPECIFIC HAZARDS

In case of fire, toxic and corrosive gases may be formed.

##### PROTECTIVE MEASURES IN FIRE

Self contained breathing apparatus and full protective clothing must be worn in case of fire.

#### 6 ACCIDENTAL RELEASE MEASURES

##### PERSONAL PRECAUTIONS

Wear protective clothing as described in Section 8 of this safety data sheet.

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### SPILL CLEAN UP METHODS

Small Spillages Mix with sand or other inert absorbent. Large Spillages Dam and absorb spillages with sand, earth or other inert material. Collect spillage in containers, seal securely and deliver for disposal according to local regulations. Containers with collected spillage must be properly labelled with correct contents and hazard symbol. Wash spillage site well with water and detergent, be aware of the potential for surfaces to become slippery. Wash thoroughly after

## 7 HANDLING AND STORAGE

### USAGE PRECAUTIONS

Avoid inhalation of vapours/spray and contact with skin and eyes.

### STORAGE PRECAUTIONS

Store in closed original container at temperatures between 15°C and 25°C. Store away from direct sunlight and moisture

### STORAGE CLASS

Chemical storage.

## 8 EXPOSURE CONTROLS/PERSONAL PROTECTION

Name	Std	TWA - 8 hrs		STEL - 15 min		Notes
CHLORINE DIOXIDE...%	OES	0.1 ppm	0.28 mg/m3	0.3 ppm	0.84 mg/m3	

### ENGINEERING MEASURES

Provide adequate ventilation, including appropriate local extraction, to ensure that the defined workplace exposure limit is not exceeded. If vapours or mists are generated work in a fume cupboard

### RESPIRATORY EQUIPMENT

Wear suitable respiratory protection if vapours or mists are generated.

### HAND PROTECTION

Use protective gloves. Rubber, neoprene or PVC. Be aware that the liquid may penetrate the gloves. Frequent change is advisable. The most suitable glove must be chosen in consultation with the gloves supplier, who can inform about the breakthrough time of the glove material.

### EYE PROTECTION

Wear approved safety goggles.

### OTHER PROTECTION

Wear suitable protective clothing as protection against splashing or contamination. Provide eyewash station and safety shower. If there is a risk of splashing then wear a face shield.

### HYGIENE MEASURES

Wash at the end of each work shift and before eating, smoking and using the toilet. Wash promptly if skin becomes wet or contaminated. Promptly remove any clothing that becomes wet or contaminated. When using do not eat, drink or smoke.

## 9 PHYSICAL AND CHEMICAL PROPERTIES

APPEARANCE	Liquid
COLOUR	Yellowish
ODOUR	Chlorine.
SOLUBILITY	Miscible with water.
BOILING POINT (°C)	Approx. 100 760 mm Hg

## 10 STABILITY AND REACTIVITY

### STABILITY

Stable under normal temperature conditions.

### CONDITIONS TO AVOID

Avoid heat.

### MATERIALS TO AVOID

Acids. Bases. Oxidising agents.

### HAZARDOUS DECOMPOSITION PRODUCTS

Hydrogen chloride (HCl).

## 11 TOXICOLOGICAL INFORMATION

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### INHALATION

Vapours may irritate throat and respiratory system and cause coughing.

### INGESTION

May cause irritation of the mouth, oesophagus and gastrointestinal tract.

### SKIN CONTACT

May irritate the skin.

### EYE CONTACT

Irritating to eyes.

## 12 ECOLOGICAL INFORMATION

### ECOTOXICITY

Although not classified as environmentally hazardous, harmful effects cannot be excluded in the event of improper handling or disposal.

### MOBILITY

The product is soluble in water.

## 13 DISPOSAL CONSIDERATIONS

### DISPOSAL METHODS

Dispose of waste and residues in accordance with local authority requirements.

## 14 TRANSPORT INFORMATION

### GENERAL

The product is not covered by international regulation on the transport of dangerous goods (IMDG, IATA, ADR/RID).

No transport warning sign required.

## 15 REGULATORY INFORMATION

### LABELLING



Irritant

### RISK PHRASES

R36 Irritating to eyes.

### SAFETY PHRASES

S25 Avoid contact with eyes.

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

S60 This material and its container must be disposed of as hazardous waste.

### STATUTORY INSTRUMENTS

Chemicals (Hazard Information and Packaging) Regulations. Control of Substances Hazardous to Health.

### APPROVED CODE OF PRACTICE

Classification and Labelling of Substances and Preparations Dangerous for Supply. COSHH essentials: Easy steps to control chemicals. Control of Substances Hazardous to Health Regulations

### GUIDANCE NOTES

Workplace Exposure Limits EH40. Introduction to Local Exhaust Ventilation HS(G)37.

### NATIONAL REGULATIONS

Control of Substances Hazardous to Health Regulations 2002 (as amended)

## 16 OTHER INFORMATION

### REVISION COMMENTS

This is first issue.

REVISION DATE 18/06/2009

REV. NO./REPL. SDS GENERATED 1

**XzioX (Mixed)**

SDS NO. 11469

SAFETY DATA SHEET STATUS

Approved.

RISK PHRASES IN FULL

R34	Causes burns.
R37	Irritating to respiratory system.
R41	Risk of serious damage to eyes.
R25	Toxic if swallowed.
R50	Very toxic to aquatic organisms.