



## SAFETY DATA SHEET

### XzioX B

According to Regulation (EC) No 1907/2006

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

PRODUCT NAME XzioX B  
 PRODUCT NO. 2614  
 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- 7.30p

#### 2 HAZARDS IDENTIFICATION

Harmful if swallowed. Irritating to eyes, respiratory system and skin.

CLASSIFICATION Xn;R22. Xi;R36/37/38.

#### 3 COMPOSITION/INFORMATION ON INGREDIENTS

Name	EC No.	CAS-No.	Content	Classification
Sodium Chlorite			10-30%	T;R25. Xi;R36/37/38. O;R8.

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

#### 4 FIRST-AID MEASURES

##### GENERAL INFORMATION

CAUTION! First aid personnel must be aware of own risk during rescue! First aid personnel must protect themselves with all necessary personal protective equipment during the assistance of casualties. When breathing is difficult, properly trained personnel may assist the casualty by administering oxygen. If casualty needs to be resuscitated avoid mouth to mouth contact, use a mechanical device such as a bag and mask to provide artificial respiration. Place unconscious person on the side in the recovery position and ensure breathing can take place. Do not give victim anything to drink if they are unconscious. If medical attention is required take this information sheet with the casualty.

##### 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 immediately!

##### SKIN CONTACT

Immediately remove contaminated clothing and wash before re-use. Wash the skin immediately with soap and water. In serious cases or if discomfort continues obtain medical attention.

##### 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. Chlorine compounds.

**XzioX B****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.

**SPILL CLEAN UP METHODS**

Small Spillages Absorb 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****ENGINEERING MEASURES**

Provide adequate ventilation and appropriate extraction to avoid occupational exposure. If vapours or mists are generated, work in a fume cupboard.

**RESPIRATORY EQUIPMENT**

Wear suitable respiratory protection if vapours or mists are generated. Consult with the supplier as to the compatibility of the equipment with the chemical of concern.

**HAND PROTECTION**

Wear protective gloves. Rubber or plastic. 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. Wear plastic apron and full length gloves if handling large amounts

**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	Pale yellow		
ODOUR	Slight odour Chlorine.		
SOLUBILITY	Miscible with water.		
BOILING POINT (°C)	Approx. 100 760 mm Hg	RELATIVE DENSITY	APPROX. 1.1 20

**10 STABILITY AND REACTIVITY****STABILITY**

Stable under normal temperature conditions and recommended use.

**MATERIALS TO AVOID**

Acids. Combustible substances. Organic cyanides (nitriles). Inorganic cyanides. Powdered metal. Oxidizable substances.

**HAZARDOUS DECOMPOSITION PRODUCTS**

Chlorine dioxide

**11 TOXICOLOGICAL INFORMATION**

TOXIC DOSE 1 - LD 50 1136 mg/kg (oral rat)

## XzioX B

### INHALATION

Irritation of the mucous membranes, coughing and dyspnoea.

### INGESTION

Irritation of the mouth, the oesophagus and the gastrointestinal tract.

### SKIN CONTACT

Slightly irritating.

### EYE CONTACT

Severely irritating to eyes.

## 12 ECOLOGICAL INFORMATION

### ECOTOXICITY

Ecological effects cannot be excluded in the event of improper handling or disposal. Do not allow to enter drinking water, waste water or soil.

## 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



Harmful

### CONTAINS

Sodium Chlorite

### RISK PHRASES

R22	Harmful if swallowed.
R36/37/38	Irritating to eyes, respiratory system and skin.

### SAFETY PHRASES

S24/25	Avoid contact with skin and eyes.
S26	In case of contact with eyes, rinse immediately with plenty of water and seek medical advice.
S37	Wear suitable gloves.
S51	Use only in well-ventilated areas.
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

**XzioX B**

REVISION COMMENTS

This is first issue.

REVISION DATE 08/06/2009

REV. NO./REPL. SDS GENERATED 1

SDS NO. 11464

SAFETY DATA SHEET STATUS

Approved.

RISK PHRASES IN FULL

R8 Contact with combustible material may cause fire.

R36/37/38 Irritating to eyes, respiratory system and skin.

R25 Toxic if swallowed.