

# SAFETY DATA SHEET - CHLORINE SANITISING TABLETS

ACCORDING TO EC-REGULATIONS 1907/2006 (REACH) 1272/2008 (CLP)

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

### 1.1 Product identifier

Product Name Chlorine Sanitising Tablets  
Trade name XCST  
CAS No. n/a  
EINECS No. n/a

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

Identified use(s) Very effective against all types of bacteria and some viruses

### 1.3 Details of the supplier of the safety data sheet

Company Identification Bio Productions Ltd  
Company Address 72 Victoria Road, Burgess Hill, RH15 9LH, United Kingdom  
Telephone 0044 (0) 1444 244000  
Fax 0044 (0) 1444 244999  
E-Mail (competent person) technical@bio-productions.com

### 1.4 Emergency telephone number

Emergency Phone No. 0044 (0) 1444 244000 (office hours only)

## 2 HAZARDS IDENTIFICATION

### 2.1 Classification of the substance or mixture

Acute Tox.4, H302 - Harmful if swallowed; Eye Irrit.2, H319 Causes ser. eye irritation; STOT SE 3, H335 May cause resp. irritation; Aqua Acute 1, H400 -Very toxic to aquatic life; Aquatic Chronic 1, H410 - Very toxic to aquatic life with long lasting effects. EUH031 - Contact with acids liberates toxic gas.

### 2.1 Regulation (EC) No. 1272/2008 (CLP)

### 2.1 Directive 67/548/EEC & Directive 1999/45/EC

Classification according to Directive 1999/45/EC  
Xn;R22. Xi;R36/37. N;R50/53. R31

### 2.2 Label elements

#### 2.2.1 Label elements

According to Regulation (EC) No 1272/2008 (CLP)

Hazard pictogram(s) Reach



Signal word(s) Reach

Warning

Hazard statement(s)

H302 Harmful if swallowed  
H319 Causes serious eye irritation  
H335 May cause respiratory irritation  
H410 Very toxic to aquatic life with long lasting effects  
EUH031 Contact with acids liberates toxic gas

Precautionary statement(s)

P261 Avoid breathing dust/fume/gas/mist/vapours/spray  
P280 Wear protective gloves/protective clothing/face protection.  
P301+P310 IF SWALLOWED: Immediately call a POISON CENTRE or a doctor/physician.  
P305+P351+P338 IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.

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## 3 COMPOSITION/INFORMATION ON INGREDIENTS

### 3.1 Substances

Hazardous Ingredient(s):	EINECS No	CAS NUMBER	%W/W	REACH according to Directive 67/548/EEC	CLP according to Regulation EC/1272/2008
Sodium Dichloroisocyanurate	220-767-7	2893-78-9	>30	Xn;R22 Xi;R36/37 N; R50/53 R31	Acute Tox. 4-H302; Eye Irrit. 2 H319; STOT SE 3 - H335; Aqua. Acute 1-H400; Aqua. Chronic 1-H410; EUH031
Adipic acid	204-673-3	124-04-9	15-30	Xi;R36	Serious eye irrit. Cat.2A-H319
Non Hazardous Ingredient(s):	EINECS No	CAS NUMBER	%W/W	SYMBOL	RISK PHRASES

## 4 FIRST AID MEASURES

### 4.1 Description of first aid measures (Symptoms)

Inhalation

Irritation of the respiratory tract.

Skin Contact

May cause irritation.

Eye Contact

May cause irritation of eyes

Ingestion

May cause irritation to the mouth, throat and digestive tract

Additional Information

Symptomatic treatment



### 4.2 Description of first aid measures (Actions)

Inhalation

If affected, remove to fresh air, keep warm and at rest.

Obtain medical attention in severe cases.

Skin Contact

Wash skin with soap and water. In severe cases obtain medical help.

Eye Contact

In case of contact, rinse immediately with plenty of water for at least 10-15 minutes. Obtain medical attention if irritation persists

Ingestion:

Do not give anything by mouth to an unconscious person.

Wash out mouth with water and give copious amounts of water to drink.

Do not induce vomiting. Obtain medical advice if patient unwell.

Additional Information

Always launder contaminated clothing before re-use

## 5 FIRE-FIGHTING MEASURES

### 5.1 Extinguishing media

Suitable Extinguishing Media

Product not flammable. Use water spray, foam dry powder or CO2 for surrounding fires.

### 5.2 Special hazards arising from the

Substance or mixture

Exposure hazards

In combustion emits toxic fumes

### 5.3 Advice for fire-fighters

Special protective

equipment for fire fighters

Full protective equipment including self-contained respiratory protection

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## 6 ACCIDENTAL RELEASE MEASURES

- |  |   |
|--|---|
| <b>6.1 Personal precautions, protective equipment and emergency procedures</b> | Mark out the contaminated area with signs and prevent access to unauthorised personnel. Do not attempt to take action without suitable protective clothing – see section 8 of SDS |
| <b>6.2 Environmental precautions</b>   | Do not discharge into drains or rivers.   |
| <b>6.3 Methods and material for containment and cleaning up</b>                | Sweep up and return to tub.<br>If contaminated and is unable to be used it should be disposed of under local authority regulations.   |
| <b>6.4 Reference to other sections</b>   |   |
| <b>6.5 Additional Information</b>  | Spillages will prove slippery if product gets wet<br>Wash thoroughly after dealing with a spillage. Inform authorities if large amounts are involved.                             |

## 7 HANDLING AND STORAGE

- |   |  |
|---|--|
| <b>7.1 Precautions for safe handling</b>                                | Avoid skin and eye contact. Always wear full protective clothing for prolonged exposure and for high concentrations. |
| <b>7.2 Conditions for safe storage, including any incompatibilities</b> | Keep in original containers  |
| <b>7.3 Suitable packaging</b>   | Store in original containers.  |
| <b>7.3 Specific end use(s)</b>  | Keep tightly closed when not in use<br>Do not store below 5°C or above 30°C  |

## 8 EXPOSURE CONTROLS / PERSONAL PROTECTION

### 8.1 Control Parameters

Hazardous Ingredients

Chlorine

Workplace exposure limits

Respirable dust

State	8 hour TWA	15 min STEL	8 hour TWA	15 min Stel
Gas		1.5mg/m3		

### 8.2 Exposure Controls

- |                        |  |
|------------------------|--|
| Engineering measures   | Provide adequate general and local exhaust ventilation.  |
| Respiratory Protection | Avoid breathing dust. Ensure adequate ventilation when handling large amounts. In such cases wear suitable respiratory devices such as EN141 or EN405, type A. |
| Hand Protection        | Wear protective gloves (Nitrile or Polyvinyl chloride)<br>Always wash hands after use.   |
| Eye Protection         | Wear approved chemical safety goggles  |
| Skin Protection        | Wear suitable protective overalls  |

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## **9 PHYSICAL AND CHEMICAL PROPERTIES**

### **9.1 Information on the basic physical and chemical properties**

Form:	Tablet
Odour:	Chlorine
Colour:	White
Viscosity:	Not Applicable
pH (Value):	5-6 Typical (1% solution)
Density (g/ml):	Not measured
Boiling Point:	Not Applicable
Flash Point:	Not Applicable
Melting Point:	Not measured
Pour Point (Deg C):	Not measured
Auto Ignition Temp.	Not measured
Vapour Pressures:	Not Applicable
Solubility (water):	Soluble
Solubility (other):	Not available
Partition Coefficient:	Not Applicable
Flammable Limits:	Not Applicable
Oxidising Props.	Not Applicable

### **9.2 Other information**

## **10 STABILITY AND REACTIVITY**

<b>10.1 Reactivity</b>	Contact with combustible materials may cause fire
<b>10.2 Chemical Stability</b>	Stable under normal conditions
<b>10.3 Possibility of hazardous reactions</b>	Contact with acids liberates toxic gas
<b>10.4 Conditions to avoid</b>	Extremes of temperature and moisture
<b>10.5 Incompatible materials</b>	Strong oxidising agents. Acids.
<b>10.6 Hazardous decomposition products</b>	Burning produces Oxides of Carbon

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## 11 TOXICOLOGICAL INFORMATION

### 11.1 Information on toxicological effects

#### Toxicity values

Route	Species	Test	Value	Units
No data				
* Results are for 100%	Orange Terpenes	Suppliers data		

#### Relevant effects for mixture

Effect	Route	Basis
No data		

### 11.2 Symptoms / Routes of exposure

Skin contact	May cause irritation to sensitive skin
Eye Contact	May cause eye irritation
Ingestion	May cause irritation to the mouth, throat and digestive tract. May also Cause nausea.
Inhalation	Chlorine gas can cause corrosion of mucus membranes. Dust is irritating to the respiratory tract.

## 12 ECOLOGICAL INFORMATION

### 12.1 Toxicity

#### Eco Toxicity values

Species	Test	Value	Units
No data			

### 12.2 Persistence and degradability

NaDCC is highly toxic to fish.  
Do not discharge into lakes, ponds, streams or public water.

### 12.3 Bioaccumulative potential

No data available

### 12.4 Mobility in soil

Not known

### 12.5 Results of PBT and vPvB assessment

Does not contain PBT or vPvB substances.

### 12.6 Other Adverse Effects

None known

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## **13 DISPOSAL CONSIDERATIONS**

### **13.1 Waste treatment methods**

Disposal operations	Dispose of in accordance with Local Authority Guidelines and Regulations
Disposal of packaging	Dispose of in accordance with Local Authority Guidelines and Regulations

**NB: The users attention is drawn to the possible existence of regional or national regulations regarding disposal**

## **14 TRANSPORT INFORMATION**

<b>14.1 UN Number</b>	2465
<b>14.2 UN Proper shipping name</b>	DICHLOROISOCYANURIC ACID SALTS
<b>14.3 Transport hazard class(es)</b>	8
<b>ARD/RID</b> :	<b>Class</b> 8
<b>IMDG</b> :	<b>Proper shipping name</b> DICHLOROISOCYANURIC ACID SALTS
<b>IATA</b> :	<b>Proper shipping name</b> DICHLOROISOCYANURIC ACID SALTS
<b>14.4 Packing Group</b>	2
<b>14.5 Environmental hazards</b>	
Environmental hazardous	Yes
Marine pollutant	Yes
<b>14.6 Special precautions for user</b>	
EMS	
Emergency action Code	
Hazard No. (ADR)	
Tunnel Restriction Code	

## **15 REGULATORY INFORMATION**

**This preparation was classified in compliance with the following directions and regulations**

Regulation (EC) No 1907/2006 (REACH) and amendments thereof up to and including Regulation (EU) No 453/2010. Regulation (EC) No 1272 of the European Parliament and of the Council of 16 December 2008 on classification, labelling and packaging of substances and mixtures.

None of the constituent ingredients are listed on the candidate list of Substances of Very High Concern for Authorization in accordance with Article 59(10) of the REACH Regulation.

### **other provisions**

The regulatory information given above only indicates the principal regulations specifically applicable to the product described in this safety data sheet. The user's attention is drawn to the possible existence of additional provisions which complete these regulations. Refer to all applicable national, international and local regulations or provisions.

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## **15 REGULATORY INFORMATION (continued)**

### **15.2 chemical safety assesment**

A chemical safety assessment has not been carried out for the substance or the mixture by the supplier.

## **16 OTHER INFORMATION**

### **16.1 Phrases used in Sections 2 and 3**

Hazard Statements

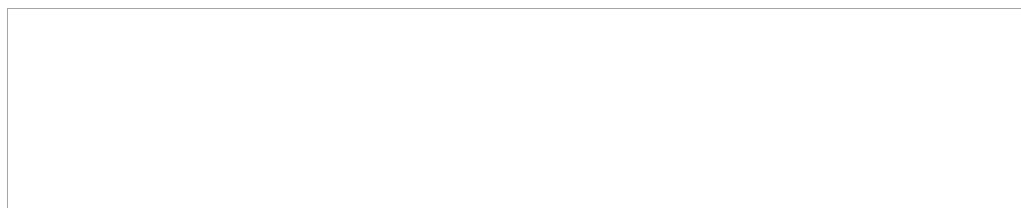
H302 Harmful if swallowed  
EUH031 Contact with acids liberates toxic gas  
H319 Causes serious eye irritaion  
H319/H335 May cause serious eye irritation respiratory irritation  
H410 Very toxic to aquatic life with long lasting effcts.

Risk phrases

R22 Harmful if swallowed  
R31 Contact with acids liberates toxic gas  
R36 Irritating to eyes  
R36/37 Irritating to eyes and respiratory system  
R50/53 Very toxic to aquatic organisms, may cause long-term adverse effects in the aquatic environment.

### **16.2 Other information**

Tested to the following protocols and passed when used as directed:  
EN 1276 (Bacteria), 0.5-1 tablet/L/5 minutes  
EN 1276 (Listeria), 1 tablet/L/5 minutes  
EN 1040 (Bacteria, clean conditions), 1 tablet/5L/5 minutes  
EN1040 (Bacteria, dirty conditions), I tablet/L/5 minutes  
EN 1650 (Fungi, dirty conditions), 2 tablets/L/30 minutes  
EN13697 (Yeast), 1.5 tablets/L/15 minutes  
EN 13697 (Bacteria & Fungi), 1 tablet/5L/5 minutes  
EN 13707 (Spores), 1 tablet/L/60 minutes  
EN14476 (Virucidal efficacy), 1 tablet/2.3L/15 minutes



### **Legal disclaimer**

The above information is believed to be correct but does not purport to be all inclusive and shall be used only as a guide.  
It is at all times the responsibility of the user to take all necessary measures to comply with legal requirements & local regulations  
This company shall not be held liable for any damage resulting from handling or from contact with the above product.