

# PRODUCT DATA SHEET

Application details and Health and Safety Data

Product Code: TK290

## Biochlor

Effervescent chlorine tablets

A convenient means of producing chlorine solutions for sanitising operations.

### Directions for use

For general use dissolve one tablet per 1-10 litres of water (1000-100ppm av.Cl).

For critical applications use one tablet per 0.1litres of water (10,000 ppm av.Cl).

Caution: solution may bleach fabrics. Use only as directed.

- EASY TO USE
- CONVENIENT
- ECONOMICAL

# CHIP 3 HEALTH AND SAFETY DATA SHEET

## Section 1 Identification of the substance/preparation and company

Product code TK290  
Name: Biochlor  
Intended use: Effervescent chlorine tablets  
Supplier: Teknon Products  
Bateman Street  
Derby

DE23 8JL

Phone: 01332 268524 Fax: 01332 295941

Emergency outside office hours tel:

Web: [www.teknon.co.uk](http://www.teknon.co.uk) Email: [info@teknon.co.uk](mailto:info@teknon.co.uk)

Date of issue: 21 February 2007 Issue number 2

Date of printing: 04 April 2007 Revisions indicated by \*

## Section 2 Composition/information on ingredients

Material	CAS number	Level	Hazards (see section 16)
Sodium dichloroisocyanurate	2893-78-9	>50%	XnR8R22R31R36/38 NR50/53
Adipic acid	0124-04-9	10-25%	Xi R36

## Section 3 Hazards identification (Undiluted product)

CHIP classification: Harmful, dangerous for the environment\*

Eye hazard: Will cause irritation.

Skin hazard: Will cause irritation.

Respiratory hazard: Exposure to dust or chlorine gas will cause irritation of the respiratory tract.

Flammability hazard: Contact with combustible material may cause fire.

Other hazards:

## Section 4 First aid measures

Eye contact: Immediately flush eyes with water, holding eyelids apart, for at least 10 minutes. Seek medical assistance immediately.

Skin contact: Remove contaminated clothing, wash skin with soap and water and seek medical attention if irritation persists.

Inhalation: If irritation occurs, remove to fresh air, keep warm and at rest, seek medical attention immediately.

Ingestion: Do not induce vomiting. If conscious, give water to drink. Seek medical assistance immediately.

## Section 5 Fire fighting measures

Not applicable.

## Section 6 Accidental release measures

Small quantities; if wet flush to foul sewer with a large quantity of water. If dry collect into containers for disposal.

Large quantities, collect into suitable containers for disposal.

## Section 7 Handling and storage

Store in a cool, dry place protected from frost and away from acids and strong oxidising agents. Store upright in original containers.

Directions For general use dissolve one tablet per 1-10 litres of water (1000-100ppm av.Cl).

for use: For critical applications use one tablet per 0.1litres of water (10,000 ppm av.Cl).

Caution: solution may bleach fabrics. Use only as directed.

Shelf life: 24 months in good conditions

## Section 8 Exposure controls/personal protection

These measures are suggested on the basis of general use methods and may not be appropriate to all potential uses of the product. The user is responsible for carrying out a full risk assessment of their specific processes and systems of work.

Eye protection: Wear eye protection to BS EN 166 1F if splashing of solution is likely, or if airborne dust levels

Hand protection: Wear pvc or latex gloves. Exact choice of glove depends on specific risk assessments.

Body protection: As necessary to prevent contact.

Respiratory protection: Avoid creating and breathing dust when handling the tablets, wear a protective mask to EN149 if necessary.

Other protection:

Personal protective equipment:



Exact PPE requirements should be determined from a specific risk assessment of the processes being carried out.

Occupational exposure limit

Chlorine

1.5mg/m<sup>3</sup>

OES 8 hour TWA

## Section 9 Physical and chemical properties

Appearance White tablets.

Odour: Characteristic, chlorine.

pH: 5-6 1% in water (typical).

Boiling point: Not applicable.

Melting point: Not applicable.

Flash point: Not applicable.

Auto-ignition temperature: Not applicable.

Explosive properties: Not applicable.

Oxidising properties: Contact with combustible material may cause fire.

Vapour pressure No data.

Relative density at 20 C: N/a

Solubility: Freely soluble in water.

Viscosity: Not applicable.

## Section 10 Stability and reactivity

Conditions to avoid: Extremes of temperature.

Materials to avoid: Incompatible with strong oxidising agents and acids.

Hazardous decomposition products Contact with acids liberates toxic gas (chlorine).

## Section 11 Toxicological information

Eye contact: Will cause irritation.

Skin contact: Will cause irritation.

Inhalation: Exposure to dust or chlorine gas will cause irritation of the respiratory tract.

Ingestion: Harmful if swallowed.

Long term: Based on current knowledge, no long term effects are anticipated if used correctly.

## Section 12 Ecological information

This product has microbiocidal properties. Large quantities may affect biological treatment plants. May affect aquatic organisms due to microbiocidal content if released into water courses untreated.

Volatile organic content: 0 % w/w #Error g/l

## Section 13 Disposal considerations

Dispose of surplus product and packaging via a licenced chemical waste contractor.

## Section 14 Transport information

Transport Classification: Environmentally Hazardous

UN number 3077 Transport class 9 Packing group:

## Section 15 Regulatory information

CHIP Classification Harmful, dangerous for the environment\*



Harmful



Dangerous for the environment\*

Product risk and safety phrases

R8 Contact with combustible material may cause fire.

R22 Harmful if swallowed.

R31 Contact with acids liberates toxic gas (chlorine).

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.

S41 In case of fire or explosion do not breathe fumes.

S8/26 Keep containers dry. In case of contact with eyes, rinse immediately with plenty of water and seek medical advice.

S2 Keep out of reach of children.

Relevant UK law: Chemicals (hazard information and packaging) Regulations (CHIP). Control of substances hazardous to health regulations (COSHH, COSHH essentials). For guidance see [www.hse.gov.uk](http://www.hse.gov.uk), [www.dti.gov.uk/chemicals](http://www.dti.gov.uk/chemicals).

## Section 16 Other information

R phrases relating to ingredients (see section 2)

R8 Contact with combustible material may cause fire

R22 Harmful if swallowed.

R31 Contact with acids liberates toxic gas (chlorine).

R36/38 Irritating to eyes and skin.

R50/53 Very toxic to aquatic organisms, may cause long term adverse effects in the aquatic environment.

R36 Irritating to eyes.

This product should be stored, handled and used in accordance with good industrial practice and in conformity with legal regulations. The information in this data sheet is based on the present state of our knowledge and is intended to describe products from the point of view of safety requirements and thus should not be construed as guaranteeing specific properties. It is for users to satisfy themselves of the suitability of this product for their own applications.