

Product Information

CHLORICIDE

Effervescent Chlorine Tablets

- Economic - Easy to use dilution system, use single tablet for dosage.
- Powerful - Greater biocide effect than bleach
- Safe - Reduced risk of personnel injury burns and bleached clothing
- Stable - Can be stored for up to 5 years
- Convenient - Simply add to water and dissolves
- Non-foaming formulation – Suitable for use in food processing areas

Product Description:

Effervescent Chlorine Tablets are the most suitable replacement for liquid bleach. They are based on a dry chlorine donor sodium dichloroisocyanurate (NaDCC) which is blended with effervescent component before being compressed into tablet form. It is a fast dissolving, highly convenient, safer and more accurate alternative to liquid bleach. NaDCC is well established in the cleaning industry for food contact, janitorial, and hospital applications.

Directions and Dilutions:

Wear rubber gloves. Add to water 1. 7 g tablet gives 1 litre of solution for use. Avoid animal fibre like silk and prolonged contact with Stainless Steel. The Rate of chlorine generation is accelerated in acid conditions

Useful Information:

Product Characteristics: White Flat Bevelled Tablet

Storage: Store container in a dry and cool place

Availability: Available in (4x5lt) 20 litre boxes

Composition: Based on a dry chlorine donor, sodium dichloroisocyanurate, blended with effervescent components before being compressed into tablet form.

For any further information on this product or any other Sky Chemicals product, please contact us and we will be more than willing to help.

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Safety Data

1. IDENTIFICATION OF THE SUBSTANCE AND THE COMPANY

1.1) Product identifier

Product Name: Chloridice

1.3) Details of the supplier of the safety data sheet.

Company name: SKY CHEMICALS (UK) LTD, UNIT 12, SHEFFIELD DESIGN STUDIOS, 40 BALL STREET, SHEFFIELD, S3 8DB

Tel: 0114 2780222 **Fax:** 0114 2727750

Email: info@skychemicals.co.uk

1.4) Emergency telephone number

Emergency tel: 0114 278 0222 (in office hour only)

2. HAZARDS IDENTIFICATION

2.1) Classification of the substance or mixture

Classification under CLP: Acute Tox. 4: H302; Aquatic Acute 1: H400; Aquatic Chronic 1: H410; Eye Irrit. 2: H319; STOT SE 3: H335; -: EUH031

Most important adverse effects: Harmful if swallowed. Contact with acids liberates toxic gas. Irritating to eyes and respiratory system. Very toxic to aquatic organisms, may cause long-term adverse effects in the aquatic environment.

2.2) Label elements

Hazard statements: EUH031: Contact with acids liberates toxic gas. H302: Harmful if swallowed. H319: Causes serious eye irritation. H335: May cause respiratory irritation. H400: Very toxic to aquatic life. H410: Very toxic to aquatic life with long lasting effects.

Signal words: Warning

Hazard pictograms: GHS07: Exclamation mark, GHS09: Environmental



Precautionary statements: P271: Use only outdoors or in a well-ventilated area. P280: Wear protective gloves/protective clothing/eye protection/face protection. P301+312: IF SWALLOWED: Call a POISON CENTRE or doctor if you feel unwell. P304+340: IF INHALED: Remove victim to fresh air and keep at rest in a position comfortable for breathing. P305+351+338: IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. P312: Call a POISON CENTRE or doctor if you feel unwell.

2.3) Other hazards

PBT: This product is not identified as a PBT/vPvB substance.

3. COMPOSITION/INFORMATION ON INGREDIENTS

3.2) Mixtures

Hazardous ingredients:

DICHLORO-1,3,5-TRIAZINETRIONE, SODIUM SALT OF

EINECS	CAS	PBT/WEL	CLP Classification	Percent
220-767-7	2893-78-9	-	Ox. Sol. 2: H272; Acute Tox. 4: H302; Eye Irrit. 2: H319; STOT SE 3: H335; Aquatic Chronic 1: H410; Aquatic Acute 1: H400; -: EUH031	50-70%

ADIPIC ACID

204-673-3	124-04-9	-	Eye Irrit. 2: H319	10-30%
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SODIUM CARBONATE

207-838-8	497-19-8	-	Eye Irrit. 2: H319	1-10%
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4. FIRST AID MEASURES

4.1) Description of first aid measures

Skin contact: Remove all contaminated clothes and footwear immediately unless stuck to skin. Wash immediately with plenty of soap and water.

Eye contact: Bathe the eye with running water for 15 minutes. Consult a doctor.

Ingestion: Wash out mouth with water. Consult a doctor.

Inhalation: Remove casualty from exposure ensuring one's own safety whilst doing so. Consult a doctor.

4.2) Most important symptoms and effects, both acute and delayed

Skin contact: There may be irritation and redness at the site of contact.

Eye contact: There may be irritation and redness. The eyes may water profusely.

Ingestion: There may be soreness and redness of the mouth and throat.

Inhalation: There may be irritation of the throat with a feeling of tightness in the chest. Exposure may cause coughing or wheezing.

Delayed/Immediate Effects:

4.3) Indication of any immediate medical attention and special treatment needed

Immediate / special treatment: Immediate effects can be expected after short-term exposure.

5. FIRE FIGHTING MEASURES

5.1) Extinguishing media: Suitable extinguishing media for the surrounding fire should be used.

5.2) Special hazards arising from the substance or mixture

5.3) Advice for fire-fighters: Wear self-contained breathing apparatus. Wear protective clothing to prevent contact with skin and eyes.

6. ACCIDENTAL RELEASE MEASURES

6.1) Personal precautions, protective equipment and emergency procedures:

Refer to section 8 of SDS for personal protection details. If outside do not approach from downwind. If outside keep bystanders upwind and away from danger point. Mark out the contaminated area with signs and prevent access to unauthorised personnel. Do not create dust.

6.2) Environmental precautions: Do not discharge into drains or rivers.

6.3) Methods and material for containment and cleaning up

Clean-up procedures: Transfer to a closable, labelled salvage container for disposal by an appropriate method.

6.4) Reference to other sections: Refer to section 8 of SDS.

7. HANDLING AND STORAGE

7.1) Precautions for safe handling

Handling requirements: Avoid direct contact with the substance. Ensure there is sufficient ventilation of the area. Do not handle in a confined space. Avoid the formation or spread of dust in the air.

7.2) Conditions for safe storage, including any incompatibilities

Storage conditions: Store in cool, well ventilated area. Keep container tightly closed. The floor of the storage room must be impermeable to prevent the escape of liquids.

7.3) Specific end use(s): No data available.

8. EXPOSURE CONTROLS/PERSONAL PROTECTION

8.1) Control parameters

Workplace exposure limits: No data available

DNEL/PNEC Values: No data available

8.2) Exposure controls

Engineering measures: Ensure there is sufficient ventilation of the area. The floor of the storage room must be impermeable to prevent the escape of liquids.

Respiratory protection: Self-contained breathing apparatus must be available in case of emergency. Respiratory protective device with particle filter.

Hand protection: Protective gloves.

Eye protection: Safety glasses. Ensure eye bath is to hand.

Skin protection: Protective clothing.

9. PHYSICAL AND CHEMICAL PROPERTIES

9.1) Information on basic physical and chemical properties

State: Powder

Colour: White

Odour: Characteristic odour

Solubility in water: Soluble

Safety Data

Boiling point/range°C: >35

9.2) Other information: No data available.

10. STABILITY AND REACTIVITY

10.1) Reactivity: Stable under recommended transport or storage conditions.

10.2) Chemical stability: Stable under normal conditions.

10.3) Possibility of hazardous reactions

Hazardous reactions: Hazardous reactions will not occur under normal transport or storage conditions.

Decomposition may occur on exposure to conditions or materials listed below.

10.4) Conditions to avoid: Heat.

10.5) Incompatible materials

Materials to avoid: Strong oxidising agents. Strong acids. Water.

10.6) Hazardous decomposition products

11. TOXICOLOGICAL INFORMATION

11.1) Information on toxicological effects

Hazardous ingredients:

DICHLORO-1,3,5-TRIAZINETRIONE, SODIUM SALT OF

ORL	RAT	LD50	1420	mg/kg
ORL	RBT	LDLO	2500	mg/kg

ADIPIC ACID

IVN	MUS	LD50	680	mg/kg
ORL	MUS	LD50	1900	mg/kg
ORL	RAT	LD50	>11	gm/kg

SODIUM CARBONATE

ORL	RAT	LD50	6600	mg/kg
ORL	RBT	LD50	4090	mg/kg
SCU	MUS	LD50	2210	mg/kg

Relevant hazards for product:

Effect	Route	Basis
Acute toxicity (harmful)	ING	Hazardous: calculated
Irritation	OPT INH	Hazardous: calculated

Symptoms / routes of exposure

Skin contact: There may be irritation and redness at the site of contact.

Eye contact: There may be irritation and redness. The eyes may water profusely.

Ingestion: There may be soreness and redness of the mouth and throat.

Inhalation: There may be irritation of the throat with a feeling of tightness in the chest. Exposure may cause coughing or wheezing.

Delayed / immediate effects: Immediate effects can be expected after short-term exposure.

12. ECOLOGICAL INFORMATION

12.1) Toxicity

Ecotoxicity values: No data available.

12.2) Persistence and degradability: Not biodegradable.

12.3) Bioaccumulative potential: Bioaccumulation potential.

12.4) Mobility in soil:

12.5) Results of PBT and vPvB assessment

PBT identification: This product is not identified as a PBT/vPvB substance.

12.6) Other adverse effects: Toxic to aquatic organisms. Toxic to soil organisms.

13. DISPOSAL CONSIDERATIONS

13.1) Waste treatment methods

Disposal operations: Transfer to a suitable container and arrange for collection by specialised disposal company.

NB: The user's attention is drawn to the possible existence of regional or national regulations regarding disposal.

14. TRANSPORT INFORMATION

14.1) UN number: UN3077

14.2) UN proper shipping name: ENVIRONMENTALLY HAZARDOUS SUBSTANCE, SOLID, N.O.S.

14.3) Transport hazard class(es): 9

14.4) Packing group: III

14.5) Environmental hazards

Environmentally hazardous: Yes

Marine pollutant: No

14.6) Special precautions for user

Special precautions: No special precautions.

Tunnel code: E

Transport category: 3

15. REGULATORY INFORMATION

15.1) Safety, health and environmental regulations/legislation specific for the substance or mixture

Specific regulations:

15.2) Chemical Safety Assessment:

16. OTHER INFORMATION

Other information: This safety data sheet is prepared in accordance with Commission Regulation (EU) No 453/2010.

* indicates text in the SDS which has changed since the last revision.

Phrases used in s.2 and s.3:

H302: Harmful if swallowed.

H319: Causes serious eye irritation.

H335: May cause respiratory irritation.

H400: Very toxic to aquatic life.

H410: Very toxic to aquatic life with long lasting effects.

R8: Contact with combustible material may cause fire.

R22: Harmful if swallowed.

R31: Contact with acids liberates toxic gas.

R36/37: Irritating to eyes and respiratory system.

R36: Irritating to eyes.

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

Legend to abbreviations:

PNEC = predicted no effect concentration

DNEL = derived no effect level

LD50 = median lethal dose

LC50 = median lethal concentration

EC50 = median effective concentration

IC50 = median inhibitory concentration

dw = dry weight

bw = body weight

cc = closed cup

oc = open cup

MUS = mouse

GPG = guinea pig

RBT = rabbit

HAM = hamster

HMN = human

MAM = mammal

PGN = pigeon

IVN = intravenous

SCU = subcutaneous

SKN = skin

DRM = dermal

OCC = ocular/corneal

OPT = optical

INH = inhalation

PCP = physico-chemical properties

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. This company shall not be held liable for any damage resulting from handling or from contact with the above product.