



SAFETY DATA SHEET

according to Regulation (EC) 1907/2006, Article 31

CLEANLINE CHLORINE TABLETS

Revision 1
Revision date 21/10/10

1. IDENTIFICATION OF THE PREPARATION AND COMPANY

Product name CLEANLINE CHLORINE TABLETS

Product code 500-100-0055

Product description Chlorine bleach tablets
200 tablets plastic tub

Supplier address PRIME SOURCE
PO BOX 15247
Birmingham
B22 3HN

Telephone 0121 328 6740

Email info@prime-source.co.uk

Emergency telephone (Office hours) 0121 328 6740

SDS information provided by info@coventrychemicals.com

2. HAZARDS IDENTIFICATION

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

3. COMPOSITION/INFORMATION ON INGREDIENTS

| Hazardous Ingredients | EINECS No | CAS No | % | Symbol | R Phrases |
|-----------------------|-----------|-----------|-------|----------|----------------------|
| Troclosene sodium | 220-767-7 | 2893-78-9 | >30 | O, Xn, N | R8-22-31-36/37-50/53 |
| Adipic acid | 204-673-3 | 124-04-9 | 15-30 | Xi | R36 |
| Sodium carbonate | 207-838-8 | 497-19-8 | 0-5 | Xi | R36 |

4. FIRST-AID MEASURES

Inhalation: Remove to fresh air if affected.

Skin contact: Wash thoroughly with plenty of running water.

Eye Contact: Keeping eye open, immediately irrigate with water or eyewash for at least 10 minutes. Obtain medical attention if irritation persists.

Ingestion: Do not induce vomiting. Provided the patient is conscious, wash out mouth with water and give water to drink. Obtain medical attention.

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5. FIRE-FIGHTING MEASURES

Extinguishing Media On small fires use water-spray or fog. On large fires use heavy deluge or fog steams. Product is oxidising, if insufficient water is used there is risk of explosion of hot damp material. **Do not** use dry chemical extinguisher containing ammonium compounds. Decomposes above 250°C with release of toxic fumes (chlorine) so breathing apparatus should be worn.

6. ACCIDENTAL RELEASE MEASURES

Small + Large Spillages: Do not add water, sweep up into small ($\leq 500\text{g}$), clean, dry containers. For larger quantities ($>100\text{kg}$) place into bins lined with polythene bags. Do not allow to contaminate water courses. Do not contaminate spill materials with any organic materials, ammonia, ammonia salts or urea. Respiratory protection may be necessary (see Section 8).

7. HANDLING AND STORAGE

Handling: Do not take internally. Avoid contact of dust or aqueous solution with skin, eyes and clothing. Do not mix other chemicals or cleaners. Do not sprinkle on urine spillages as these are generally acidic and toxic chlorine gas will be evolved.

Storage: Store in a cool, dry, well-ventilated area, in closed containers. Do not store at temperatures above 60°C. Do not store damp or contaminated material. Store away from all incompatible and combustible materials (see Section 10).

8. EXPOSURE CONTROLS/PERSONAL PROTECTION

Avoid contact with skin and eyes. The use of PVC or rubber gloves and eyeshields is recommended. Avoid breathing dust. Use only in a well ventilated area.

Workplace Exposure Limits:

| Hazardous Ingredient | LTEL 8hr ppm | TWA mg/m ³ | STEL ppm | mg/m ³ |
|----------------------|-----------------|--------------------------|-------------|-------------------|
|----------------------|-----------------|--------------------------|-------------|-------------------|

In case of chlorine emission, the WEL for chlorine should be observed:

| | | | | |
|----------|-----|-----|---|-----|
| Chlorine | 0.5 | 1.5 | 1 | 2.9 |
|----------|-----|-----|---|-----|

9. PHYSICAL AND CHEMICAL PROPERTIES

Appearance: white/off-white, flat bevelled edge tablets

Odour: none to mild chlorine

pH: 5.0 – 6.0 (1 tablet in 1 litre of water)

Flash point °C: 240-250°C

Relative Density (20°C): each tablet contains 1670mg sodium dichloroisocyanurate (50% w/w) in an effervescent base.

Solubility in water: soluble, effervescent

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10. STABILITY AND REACTIVITY

| | |
|---|---|
| Stability | Stable under normal conditions. On contact with moisture product decomposes to chlorine, hypochlorous acid and cyanuric acid. |
| Conditions to Avoid | High temperatures, heat sources and naked flames. Decomposes at temperatures above 250°C, liberating toxic gases. Moisture/high humidity levels. |
| Materials to Avoid | Organic materials, acids, oils, grease, sawdust, alkalis, other oxidisers, nitrogen-containing compounds, dry fire extinguishers containing mono-ammonium phosphates. |
| Hazardous Decomposition Products | Chlorine gas |

11. TOXICOLOGICAL INFORMATION

| | |
|----------------------|--|
| Inhalation: | May irritate or cause nausea only if significant quantities of dust present. |
| Skin Contact: | No irritation on the intact skin was observed after the application of sodium dichloroisocyanurate (NaDCC) in the form of undiluted, dry powder for 24 hours. Occasional splashes of COVCHLOR tablet solution are unlikely to cause damage. |
| Eye Contact: | May irritate but unlikely to cause permanent damage. No eye damage or irritation was caused by the daily instillation of 333ppm solution of NaDCC in the eye of each of 5 albino rabbits for 5 days per week in 3 months. |
| Ingestion: | Should a single tablet be ingested, no short or long-term effect should result, other than a possibly mildly upset stomach. Harmful if swallowed in quantity. NaDCC acute oral toxicity LD ₅₀ (rat): 1.82g/kg; LD ₅₀ (rabbit): 2.0 to 2.5g/kg. No toxicity to dogs was found. Allowing for a two fold higher sensitivity than rats for humans, the likely lethal dose would be 38 tablets (64g NaDCC) for a 70kg adult and 6.5 tablets (11g NaDCC) for a 12kg child. |

12. ECOLOGICAL INFORMATION

Very toxic to aquatic organisms, may cause long-term adverse effects in the aquatic environment. Do not release into surface waters.

The following LC50 values have been obtained for the active ingredient sodium dichloroisocyanurate:

| | |
|-----------------------------------|----------|
| Rainbow Trout (96hrs exposure) | 0.22mg/l |
| Bluegill Sunfish (96hrs exposure) | 0.28mg/l |
| Daphnia Magna (24hrs exposure) | 0.55mg/l |

13. DISPOSAL CONSIDERATIONS

| | |
|------------------|---|
| Product | Where practical, waste or surplus material should be recovered and recycled. Dispose of according to national and local authority regulations for via an appropriately licensed waste contractor. |
| Packaging | Packaging is recyclable and, where practical, containers and packaging should be recycled by a licensed contractor. Wash out empty containers with water before disposal. |

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14. TRANSPORT INFORMATION

UN No.(Limited Quantities, 200/pack): 3077
Road Carriage: Dangerous Goods in Limited Quantities of Class 9
ADR/RID Class: Class 9
IMDG Class and Packing Group: Class 9 Packing Group III
Proper Shipping Name: ENVIRONMENTALLY HAZARDOUS SUBSTANCE,
SOLID, N.O.S. (troclosene sodium)
Marine Pollutant: Yes

15. REGULATORY INFORMATION

CHIP Classification:

Harmful, Dangerous for the environment

Hazard Symbol:

Xn, N



Risk Phrases:

R22 - Harmful if swallowed.
R31 - Contact with acid liberates toxic gas.
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

Safety Phrases:

S2 - Keep out of reach of children.
S8 - Keep container dry.
S26 - In case of contact with eyes, rinse immediately with plenty of water and seek medical advice.
S41 - In case of fire and/or explosion, do not breathe fumes.
S50 - Do not mix with other chemicals.
S61 - Avoid release to the environment. Refer to special instructions/safety data sheet

16. OTHER INFORMATION

Text of the R-phrases that are allocated to the ingredients listed in section 3 of this safety data sheet.

R8 Contact with combustible material may cause fire
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

(Revised sections are indicated by sidelining.)

PLEASE ENSURE THIS SAFETY DATA SHEET IS PASSED TO THE APPROPRIATE PERSONS IN YOUR COMPANY, WHO ARE CAPABLE OF ACTING ON THE INFORMATION.

The information this sheet contains does not constitute on its own the user's own assessment of workplace risk as required by other health and safety legislation eg. HSW ACT COSHH, MHSW Regulations or other. The user's attention is drawn to the possible risks incurred by using the product for any other purpose than that for which it was intended.

The information supplied in this Safety Data Sheet is designed only as guidance for the safe use, storage and handling of the product. This information is correct to the best of our knowledge and belief at the date of publication however no guarantee is made to its accuracy. This information relates only to the specific material designated and may not be valid for such material used in combination with any other materials or in any other process.