



SAFETY DATA SHEET SUPER COVCHLOR 1000 CHLORINE TABLETS

According to Regulation (EU) No 453/2010

SECTION 1: IDENTIFICATION OF THE SUBSTANCE/MIXTURE AND OF THE COMPANY/UNDERTAKING

1.1. Product identifier

Product name SUPER COVCHLOR 1000 CHLORINE TABLETS
 Product No. 800-299-0001
 Container size 6 x 200 tablets

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

Identified uses Disinfecting and cleaning.

1.3. Details of the supplier of the safety data sheet

Supplier COVENTRY CHEMICALS LTD
 WOODHAMS RD
 SISKIN DRIVE
 COVENTRY
 CV3 4FX
 Tel: +44 (0) 02476639739
 Fax: +44 (0) 02476639717
 Email: sales@coventrychemicals.com
 For content of safety data sheet: sds@coventrychemicals.com

Contact Person

1.4. Emergency telephone number

+44 (0) 1865407333

SECTION 2: HAZARDS IDENTIFICATION

2.1. Classification of the substance or mixture

Classification (1999/45/EEC) Xi;R36/37. O;R8. N;R50/53. R31.

2.2. Label elements

Contains TROCLOSENE SODIUM

Labelling



Irritant



Oxidising



Dangerous for the environment

Risk Phrases

R8	Contact with combustible material may cause fire.
R31	Contact with acids 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 the 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.
S61	Avoid release to the environment. Refer to special instructions/safety data sheets.
P6	Warning! Do not use together with other products. May release dangerous gases (chlorine).

2.3. Other hazards

This product does not contain any PBT or vPvB substances.

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SECTION 3: COMPOSITION/INFORMATION ON INGREDIENTS

3.2. Mixtures

TROCLOSENE SODIUM		60-100%
CAS-No.: 2893-78-9	EC No.: 220-767-7	
Classification (EC 1272/2008) Ox. Sol. 2 - H272 EUH031 Acute Tox. 4 - H302 Eye Irrit. 2 - H319 STOT SE 3 - H335 Aquatic Acute 1 - H400 Aquatic Chronic 1 - H410	Classification (67/548/EEC) E;R2 O;R8 Xn;R22 Xi;R36/37 R31 N;R50/53	
ADIPIC ACID		30-40%
CAS-No.: 124-04-9	EC No.: 204-673-3	
Classification (EC 1272/2008) Eye Irrit. 2 - H319	Classification (67/548/EEC) Xi;R36	

The Full Text for all R-Phrases and Hazard Statements are Displayed in Section 16.

SECTION 4: FIRST AID MEASURES

4.1. Description of first aid measures

Inhalation

Move the exposed person to fresh air at once. Rinse nose and mouth with water. Get medical attention if any discomfort continues.

Ingestion

Do not induce vomiting. Immediately rinse mouth and drink plenty of water. Keep person under observation. If person becomes uncomfortable seek hospital and bring these instructions.

Skin contact

Rinse immediately with plenty of water. Remove contaminated clothing. Contact physician if irritation continues.

Eye contact

Immediately flush with plenty of water for at least 15 minutes. Remove any contact lenses and hold eyelids open widely. Obtain medical attention and bring these instructions.

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

Inhalation.

Solid material in tablet form, inhalation unlikely.

Ingestion

May irritate the mouth, throat and stomach. May cause stomach pain or vomiting.

Skin contact

Prolonged or repeated contact with skin may cause redness, itching, irritation and eczema/chapping.

Eye contact

Irritating and may cause redness and pain.

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

No specific first aid measures noted.

SECTION 5: FIREFIGHTING MEASURES

5.1. Extinguishing media

Extinguishing media

Water spray.

Unsuitable extinguishing media

Do not use: Dry chemicals. Carbon dioxide (CO₂). Halon. Potential for violent reaction.

5.2. Special hazards arising from the substance or mixture

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Hazardous combustion products

Fire or high temperatures create: Chlorine. Oxides of: Chlorine. Hydrogen chloride (HCl).

5.3. Advice for firefighters

Special Fire Fighting Procedures

Keep run-off water out of sewers and water sources. Dike for water control.

Protective equipment for fire-fighters

Self contained breathing apparatus and full protective clothing must be worn in case of fire. Decontaminate fire fighting equipment and apparel after the incident using a 10% solution of sodium carbonate.

SECTION 6: ACCIDENTAL RELEASE MEASURES

6.1. Personal precautions, protective equipment and emergency procedures

For personal protection, see section 8.

6.2. Environmental precautions

Collect and dispose of spillage as indicated in section 13. Do not discharge into drains, water courses or onto the ground.

6.3. Methods and material for containment and cleaning up

Ventilate well. Do not contaminate water sources or sewer. Contain spilled material. Do not add water to spilled material. Sweep and scoop up all spilled material, contaminated soil and other contaminated material. Transfer to a container for disposal. Do not close drums containing wet or damp material. Do not transport wet or damp material.

6.4. Reference to other sections

For personal protection, see section 8. See section 11 for additional information on health hazards. For waste disposal, see section 13.

SECTION 7: HANDLING AND STORAGE

7.1. Precautions for safe handling

Observe occupational exposure limits and minimise the risk of inhalation of vapours and mist. Avoid contact with skin and eyes. Vapour space in a closed container may contain a slight amount of chlorine gas and compounds from decomposition of the product. Good personal hygiene is necessary. Wash hands and contaminated areas with water and soap before leaving the work site. Do not eat, drink or smoke when using the product. Provide good ventilation. Avoid contact with acids and other cleaning agents.

7.2. Conditions for safe storage, including any incompatibilities

Store in tightly closed original container in a dry, cool and well-ventilated place. Protect from light, including direct sunrays. Store away from: Acids. Do not get water inside container. Keep out of reach of children. Store below 25°C.

7.3. Specific end use(s)

The identified uses for this product are detailed in Section 1.2. Mix only with water. Do not mix with other cleaning chemicals

SECTION 8: EXPOSURE CONTROLS/PERSONAL PROTECTION

8.1. Control parameters

Ingredient Comments

In case of chlorine emission, the WEL for Chlorine should be observed: Short Term Exposure Limit (STEL) 0.5 ppm / 1.5 mg/m³

8.2. Exposure controls

Protective equipment



Engineering measures

Provide adequate ventilation.

Respiratory equipment

In case of inadequate ventilation use suitable respirator.

Hand protection

For prolonged or repeated skin contact use suitable protective gloves. PVC or rubber gloves are recommended. EN 374

Eye protection

Wear approved safety goggles. EN 166

Other Protection

Wear appropriate clothing to prevent repeated or prolonged skin contact.

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Hygiene measures

When using do not eat, drink or smoke. Good personal hygiene is necessary. Wash hands and contaminated areas with water and soap before leaving the work site. Use appropriate skin cream to prevent drying of skin.

Environmental Exposure Controls

Avoid release to the environment. Users should be aware of environmental considerations and their duties under the environmental protection act. Further information may be found on Government websites: www.dti.gov.uk/access/index/htm and www.enviowise.gov.uk.

SECTION 9: PHYSICAL AND CHEMICAL PROPERTIES

9.1. Information on basic physical and chemical properties

Appearance	Tablet
Colour	White / off-white.
Odour	Faintly of chlorine.
Solubility	Soluble in water.
Initial boiling point and boiling range	
Not applicable.	
Melting point (°C)	
Not applicable.	
Relative density	Not applicable. @ 20°C
Bulk Density	
Not applicable.	
Vapour density (air=1)	
Not determined.	
Vapour pressure	
Not determined.	
Evaporation rate	
Not determined.	
Evaporation Factor	
Not applicable.	
pH-Value, Diluted Solution	5.0 - 6.0 (i tablet in 1 litre of water)
Viscosity	
Not determined.	
Solubility Value (G/100G H ₂ O@20°C)	
Not applicable.	
Decomposition temperature (°C)	
Not applicable.	
Odour Threshold, Lower	
Not applicable.	
Odour Threshold, Upper	
Not applicable.	
Flash point	
Not applicable.	
Auto Ignition Temperature (°C)	
Not applicable.	
Explosive properties	
Not applicable	
Oxidising properties	
Not available.	
Sodium dichloroisocyanurate in an inert effervescent base has oxidising properties in the sense of the directive 91/69/EEC.	
Comments	Information given concerns the solid substance.

9.2. Other information

Not relevant

SECTION 10: STABILITY AND REACTIVITY

10.1. Reactivity

Reactive substance that can react with many inorganic and organic compounds

10.2. Chemical stability

Stable under the prescribed storage conditions.

10.3. Possibility of hazardous reactions

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Contact with acids liberates toxic chlorine gas.

Hazardous Polymerisation

Will not polymerise.

10.4. Conditions to avoid

Avoid exposure to high temperatures or direct sunlight. Avoid heat, flames and other sources of ignition. Water, moisture.

10.5. Incompatible materials

Materials To Avoid

Strong acids. Oxidising, avoid contact with reducing agents. Organic materials. Ammonium compounds.

10.6. Hazardous decomposition products

Chlorine. Hydrogen chloride (HCl). Chlorine oxides. Active ingredient decomposes at elevated temperatures. Above 250°C.

SECTION 11: TOXICOLOGICAL INFORMATION

11.1. Information on toxicological effects

Toxicological information

Toxicology and Hazard Report was undertaken by the Russian Disinfection Research Institute on Sodium Dichloroisocyanurate in an effervescent base.

Other Health Effects

This substance has no evidence of carcinogenic properties.

Acute toxicity:

Acute Toxicity (Oral LD50)

2813 mg/kg Rat

LD50 (oral-rat) = 1823 mg/kg for Sodium Dichloroisocyanurate in the pure form.

LD50 (dermal-rabbit) > 5000 mg/kg for Sodium Dichloroisocyanurate in the pure form

LC50 (inhalation-rat/4hrs) = 0.27-1.17 mg/l for Sodium Dichloroisocyanurate in pure form.

Skin Corrosion/Irritation:

Moderately Irritating.

Serious eye damage/irritation:

Severe irritation.

Respiratory or skin sensitisation:

No evidence found that material causes respiratory sensitisation

Not Sensitising.

Germ cell mutagenicity:

No known or reported effects.

Carcinogenicity:

No known or reported effects.

Reproductive Toxicity:

No known or recorded effects on reproductive function or foetal development

General information

This product has low toxicity. Should a single tablet be ingested, no short or long term effect should result, other than a mild upset stomach. Allowing for a two fold higher sensitivity for humans than rats, the likely lethal dose would be 63g Sodium Dichloroisocyanurate or 37 tablets for a 70kg adult. For a 12kg child 10g Sodium Dichloroisocyanurate or 6 tablets.

Inhalation

Irritating to respiratory system. High concentrations of dust may irritate throat and respiratory system and cause coughing.

Ingestion

Ingestion may cause severe irritation of the mouth, the oesophagus and the gastrointestinal tract.

Skin contact

Direct contact on dry skin with dry material is not irritating. Contact on damp skin or with wet material may cause irritation.

Eye contact

Irritating to eyes. May cause temporary eye irritation.

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SECTION 12: ECOLOGICAL INFORMATION

Ecotoxicity

The product contains a substance which is very toxic to aquatic organisms.

12.1. Toxicity

Acute Fish Toxicity

Information for Sodium Dichloroisocyanurate Acid

Acute Toxicity - Fish

LC50 96 hours 0.13 - 0.36 mg/l *Onchorhynchus mykiss* (Rainbow trout)

12.2. Persistence and degradability

The materials used in this preparation will not persist in the environment.

Degradability

The product is degraded completely by hydrolysis. Reacts with organic substances in soil and sediments and degrades rapidly to chloride salts.

12.3. Bioaccumulative potential

Bioaccumulative potential

The product is not bioaccumulating.

12.4. Mobility in soil

Mobility:

The product is water soluble and may spread in water systems.

12.5. Results of PBT and vPvB assessment

This product does not contain any PBT or vPvB substances.

12.6. Other adverse effects

None known.

SECTION 13: DISPOSAL CONSIDERATIONS

General information

Do not discharge into drains, water courses or onto the ground.

13.1. Waste treatment methods

Do not put product into waste compactor. Contact with incompatible materials may cause a reaction and fire. Neutralise materials to a non-oxidising state for safe disposal. Dispose of via an authorised and appropriately licensed waste contractor. Packaging is recyclable.

Wash out containers with water before disposal.

Waste Class

EWC Code: 16 09 04

SECTION 14: TRANSPORT INFORMATION

General

Export commodity code 3402 90 90

Road Transport Notes

Not Classified According to UN manual of Tests and Criteria, independent test.

Rail Transport Notes

Not classified.

Sea Transport Notes

Not classified.

Air Transport Notes

Not classified.

14.1. UN number

Not applicable.

14.2. UN proper shipping name

Not applicable.

14.3. Transport hazard class(es)

Not applicable.

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14.4. Packing group

Not applicable.

14.5. Environmental hazards

Environmentally Hazardous Substance/Marine Pollutant

No.

14.6. Special precautions for user

Not applicable.

14.7. Transport in bulk according to Annex II of MARPOL73/78 and the IBC Code

Not applicable.

SECTION 15: REGULATORY INFORMATION

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

Statutory Instruments

The Chemicals (Hazard Information and Packaging for Supply) Regulations 2009 (S.I 2009 No. 716).

Approved Code Of Practice

Classification and Labelling of Substances and Preparations Dangerous for Supply. Safety Data Sheets for Substances and Preparations.

Guidance Notes

Workplace Exposure Limits EH40. CHIP for everyone HSG(108).

EU Legislation

Regulation (EC) No 1907/2006 of the European Parliament and of the Council of 18 December 2006 concerning the Registration, Evaluation, Authorisation and Restriction of Chemicals (REACH), establishing a European Chemicals Agency, amending Directive 1999/45/EC and repealing Council Regulation (EEC) No 793/93 and Commission Regulation (EC) No 1488/94 as well as Council Directive 76/769/EEC and Commission Directives 91/155/EEC, 93/67/EEC, 93/105/EC and 2000/21/EC, including amendments.

National Regulations

Control of Substances Hazardous to Health Regulations 2002 (as amended)

15.2. Chemical Safety Assessment

Currently we do not have information from our suppliers about this.

SECTION 16: OTHER INFORMATION

Revision Comments

NOTE: Lines within the margin indicate significant changes from the previous revision.

Revision Date 04/10/2012

Revision 1

Risk Phrases In Full

R31	Contact with acids liberates toxic gas.
R8	Contact with combustible material may cause fire.
R22	Harmful if swallowed.
R36/37	Irritating to eyes and respiratory system.
R36	Irritating to eyes.
R2	Risk of explosion by shock, friction, fire or other sources of ignition.
R50/53	Very toxic to aquatic organisms, may cause long-term adverse effects in the aquatic environment.

Hazard Statements In Full

H319	Causes serious eye irritation.
EUH031	Contact with acids liberates toxic gas.
H302	Harmful if swallowed.
H335	May cause respiratory irritation.
H272	May intensify fire; oxidiser.
H410	Very toxic to aquatic life with long lasting effects.
H400	Very toxic to aquatic life.

Disclaimer

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 process. Such information is, to the best of the company's knowledge and belief, accurate and reliable as of the date indicated. However, no warranty guarantee or representation is made to its accuracy, reliability or completeness. It is the user's responsibility to satisfy himself as to the suitability of such information for his own particular use.