SAFETY DATA SHEET

1. Identification

GHS product identifier	**Contec ProChlor**
SDS number	NONHPCPK
Version No.	02
Issue date	17-May-2022
Revision date	17-November-2022
Supersedes date	17-November-2022
CAS No.	Mixture
Recommended use	Disinfectant.
Recommended restrictions	For professional use only.
Synonym(s)	Product code(s): FBC102PC, FBC502PC, SBC502PC, FBT102PC, FSWPP02PC, SBC102PC, SBT102PC, SSWPP02PC, XSWPP02PC

Manufacturer

Manufacturer:

Company name	Contec Cleanroom (UK) Ltd.
Address	Unit 6A Wansbeck Business Park Rotary Parkway Ashington NE63 8QW - UK
Telephone	+44 (0) 1670 520 148

Customer service:

Hotline	+33 (0) 2 97 43 76 98
Email	SDS@contecinc.com
Emergency telephone number	Call CHEMTREC day or night: +1 703 527 3887 (24 hours)

2. Hazards identification

GHS classification

Physical hazards	Not classified.
Health hazards	Not classified.
Environmental hazards	Hazardous to the aquatic environment, acute hazard Category 3

GHS label elements

Signal word	None.
Hazard symbols	None.
Hazard statement	Harmful to aquatic life.

Precautionary statement

Prevention	Avoid release to the environment.
Response	Wash hands after handling.
Storage	Store away from incompatible materials.
Disposal	Dispose of contents/container in accordance with local/regional/national/international regulations.
Other hazards which do not result in classification	None known.
Supplemental information	None.

3. Composition/information on ingredients

Components	CAS No.	Percent
Calcium hypochlorite	7778-54-3	<0.5

Composition comments All concentrations are in percent by weight unless ingredient is a gas. Gas concentrations are in percent by volume. Components not listed are either non-hazardous or are below reportable limits.

4. First aid measures

First aid procedures

Inhalation	Move to fresh air. Call a physician if symptoms develop or persist.
Skin	Wash off with soap and water. Get medical attention if irritation develops and persists.
Eye	Immediately flush eyes with plenty of water for at least 15 minutes. Remove contact lenses, if present and easy to do. Continue rinsing. If eye irritation persists: Get medical advice/attention.
Ingestion	Rinse mouth. Get medical attention if symptoms occur.
Most important symptoms and effects, both acute and delayed	Direct contact with eyes may cause temporary irritation. Prolonged skin contact may cause temporary irritation.
Notes to physician	Treat symptomatically.
General advice	Ensure that medical personnel are aware of the material(s) involved, and take precautions to protect themselves.

5. Fire-fighting measures

Suitable extinguishing media	Dry chemical powder. Alcohol foam. Polymer foam.
Unsuitable extinguishing media	None known.
Specific hazards arising from the chemical	During fire, gases hazardous to health may be formed.
Protective equipment and precautions for firefighters	Self-contained breathing apparatus and full protective clothing must be worn in case of fire.
Protection of fire-fighters	In case of fire and/or explosion do not breathe fumes. Move containers from fire area if you can do so without risk. Use water spray to cool unopened containers.

6. Accidental release measures

Personal precautions	Keep unnecessary personnel away. Keep people away from and upwind of spill/leak. Wear appropriate protective equipment and clothing during clean-up. Do not touch damaged containers or spilled material unless wearing appropriate protective clothing. Ensure adequate ventilation. Local authorities should be advised if significant spillages cannot be contained. For personal protection, see section 8 of the SDS.
Environmental precautions	Avoid release to the environment.
Methods for containment	Stop the flow of material, if this is without risk. Dike the spilled material, where this is possible. Prevent entry into waterways, sewer, basements or confined areas.
Methods for cleaning up	The product is soluble in water. Prevent product from entering drains. Large Spills: Stop the flow of material, if this is without risk. Dike the spilled material, where this is possible. Absorb in vermiculite, dry sand or earth and place into containers. Following product recovery, flush area with water. Small Spills: Wipe up with absorbent material (e.g. cloth, fleece). Clean surface thoroughly to remove residual contamination. Never return spills to original containers for re-use. For waste disposal, see section 13 of the SDS.

7. Handling and storage

Handling	Avoid contact with eyes. Provide adequate ventilation. Wear appropriate personal protective equipment. Avoid release to the environment. Observe good industrial hygiene practices.
Storage	Store in a cool and well-ventilated place. Store in tightly closed container. Protect from direct sunlight. Do not freeze. Store at temperatures not exceeding 40°C/104°F. Store away from incompatible materials (see section 10 of the SDS).

8. Exposure controls / personal protection

Occupational exposure limits	No exposure limits noted for ingredient(s).
Biological limit values	No biological exposure limits noted for the ingredient(s).
Recommended monitoring procedures	Follow standard monitoring procedures.
Engineering controls	Good general ventilation should be used. Ventilation rates should be matched to conditions. If applicable, use process enclosures, local exhaust ventilation, or other engineering controls to maintain airborne levels below recommended exposure limits. If exposure limits have not been established, maintain airborne levels to an acceptable level. Provide eyewash station.

Personal protective equipment

Eye/face protection	Wear safety glasses with side shields (or goggles).
Skin protection	Wear suitable protective clothing.

Respiratory protection	In case of insufficient ventilation, wear suitable respiratory equipment. Check with respiratory protective equipment suppliers.
Hand protection	Wear appropriate chemical resistant gloves. Nitrile or butyl rubber gloves are recommended. Be aware that the liquid may penetrate the gloves. Frequent change is advisable. Suitable gloves can be recommended by the glove supplier.

9. Physical and chemical properties

Appearance	
Physical state	Liquid.
Colour	Colourless.
Form	Liquid.
Odour	Characteristic.
Odour threshold	Property has not been measured.
pH	4
Melting point/freezing point	Property has not been measured.
Boiling point	Property has not been measured.
Flash point	Does not flash.
Evaporation rate	Property has not been measured.
Flammability	Non flammable.
Vapour pressure	Property has not been measured.
Vapour density	Property has not been measured.
Relative density	Property has not been measured.
Solubility	
Solubility (water)	Soluble in water.
Partition coefficient (n-octanol/water) (log value)	Not applicable, product is a mixture.
Auto-ignition temperature	Does not ignite.
Decomposition temperature	Property has not been measured.
Viscosity	Property has not been measured.
Density	Property has not been measured.
Other data	
Explosive limit - lower (%)	Non flammable.
Explosive limit – upper (%)	Non flammable.
Kinematic viscosity	Property has not been measured.

10. Stability and reactivity

Reactivity	The product is stable and non-reactive under normal conditions of use, storage and transport.
Chemical stability	Material is stable under normal conditions.
Possibility of hazardous reactions	No dangerous reaction known under conditions of normal use.
Conditions to avoid	Contact with incompatible materials. Freezing. Heat.
Incompatible materials	Strong oxidising agents. Strong acids.
Hazardous decomposition products	By heating and fire, toxic vapours/gases may be formed.

11. Toxicological information

Routes of exposure	Eye contact. Skin contact. Ingestion. Inhalation.
Acute toxicity	Not expected to be acutely toxic.
Skin corrosion/irritation	Prolonged exposure may cause skin irritation.
Serious eye damage/eye irritation	Direct contact with eyes may cause temporary irritation.
Respiratory sensitiser	Not a respiratory sensitiser.
Skin sensitisation	This product is not expected to cause skin sensitisation.
Mutagenicity	No data available to indicate product or any components present at greater than 0.1% are mutagenic or genotoxic.
Carcinogenicity	Not classifiable as to carcinogenicity to humans.

IARC Monographs. Overall Evaluation of Carcinogenicity

Calcium hypochlorite (CAS 7778-54-3) 3 Not classifiable as to carcinogenicity to humans.

Reproductive toxicity This product is not expected to cause reproductive or developmental effects.

Specific target organ toxicity - single exposure Not classified.

Specific target organ toxicity - repeated exposure Not classified.

Aspiration hazard Not an aspiration hazard.

Chronic effects None known.

Symptoms Direct contact with eyes may cause temporary irritation. Prolonged skin contact may cause temporary irritation.

12. Ecological information

Ecotoxicological data

Components		Species	Test Results
Calcium hypochlorite (CAS 7778-54-3)			
Aquatic			
Acute			
Algae	EC50	Pseudokirchneriella subcapitata	983 µg/l, 72 h
Crustacea	EC50	Daphnia magna	73 µg/l, 48 h
Fish	LC50	Pimephales promelas	840 µg/l, 96 h

Ecotoxicity Harmful to aquatic life.

Persistence and degradability No data is available on the degradability of any ingredients in the mixture.

Bioaccumulation The product is not bioaccumulating.

Mobility The product is soluble in water.

Other adverse effects None known.

13. Disposal considerations

Disposal methods Collect and reclaim or dispose in sealed containers at licensed waste disposal site. Do not allow this material to drain into sewers/water supplies. Do not contaminate ponds, waterways or ditches with chemical or used container. Dispose of contents/container in accordance with local/regional/national/international regulations.

Waste from residues / unused products Dispose of in accordance with local regulations. Empty containers or liners may retain some product residues. This material and its container must be disposed of in a safe manner.

Contaminated packaging Since emptied containers may retain product residue, follow label warnings even after container is emptied. Empty containers should be taken to an approved waste handling site for recycling or disposal.

14. Transport information

ADR

Not regulated as dangerous goods.

RID

Not regulated as dangerous goods.

IATA

Not regulated as dangerous goods.

IMDG

Not regulated as dangerous goods.

Transport in bulk according to IMO instruments Not established.

15. Regulatory information

International Inventories

Country(s) or region	Inventory name	On inventory (yes/no)*
Australia	Australian Inventory of Industrial Chemicals (AICIS)	Yes
Canada	Domestic Substances List (DSL)	Yes
Canada	Non-Domestic Substances List (NDSL)	No
China	Inventory of Existing Chemical Substances in China (IECSC)	Yes
Europe	European Inventory of Existing Commercial Chemical Substances (EINECS)	Yes

Country(s) or region	Inventory name	On inventory (yes/no)*
Europe	European List of Notified Chemical Substances (ELINCS)	No
Japan	Inventory of Existing and New Chemical Substances (ENCS)	Yes
Korea	Existing Chemicals List (ECL)	Yes
New Zealand	New Zealand Inventory	Yes
Philippines	Philippine Inventory of Chemicals and Chemical Substances (PICCS)	Yes
Taiwan	Taiwan Chemical Substance Inventory (TCSI)	Yes
United States & Puerto Rico	Toxic Substances Control Act (TSCA) Inventory	Yes

*A "Yes" indicates that all components of this product comply with the inventory requirements administered by the governing country(s)
A "No" indicates that one or more components of the product are not listed or exempt from listing on the inventory administered by the governing country(s).

16. Other information

Disclaimer

Contec cannot anticipate all conditions under which this information and its product, or the products of other manufacturers in combination with its product, may be used. It is the user's responsibility to ensure safe conditions for handling, storage and disposal of the product, and to assume liability for loss, injury, damage or expense due to improper use. The information in the sheet was written based on the best knowledge and experience currently available.

List of abbreviations

ACGIH: American Conference of Governmental Industrial Hygienists.
ADR: European Agreement concerning the International Carriage of Dangerous Goods by Road.
IARC: International Agency for Research on Cancer.
IATA: International Air Transport Association.
IMDG: International Maritime Dangerous Goods.
RID: Regulations concerning the International Carriage of Dangerous Goods by Rail.