Safety data sheet
according to 1907/2006/EC, Article 31 as amended

Printing date 16.02.2024 Version number 6 Revision: 16.02.2024

*
SECTION 1: Identification of the substance/mixture and of the company/undertaking

· **1.1 Product identifier**

· **Trade name: Multifunctional Chlorine Tablets**
· **Registration number** Mixture
· **1.2 Relevant identified uses of the substance or mixture and uses advised against**
· **Product category** PC37 Water treatment chemicals
· **Application of the substance / the mixture** Disinfectant
· **Uses advised against**
Any use carrying a risk of direct contact with eyes/skin where workers are exposed without adequate personal protective equipment (PPE).
Processes involving the use of incompatible substances - refer to section 10.
Processes involving extreme heat use advised against.
Any use involving significant release of aerosol, vapour or dust in the breathing zone of workers where they are exposed without suitable respiratory protective equipment (RPE).
The product is intended exclusively for industrial and professional use.

· **1.3 Details of the supplier of the safety data sheet**
· **Manufacturer/Supplier:**
Complete Pool Controls Ltd
Unit 2, The Park
Stoke Orchard
Bishops Cleeve
Gloucestershire
GL52 7RS
UK

Tel: +44 (0)1242 662700 (office hours)
email: sales@cpc-chemicals.co.uk

· **Further information obtainable from:** Product safety department.
· **1.4 Emergency telephone number:**
Members of the public seeking specific information on poisons should contact:
In England and Wales: NHS 111 - dial 111
In Scotland: NHS 24 - dial 111

*
SECTION 2: Hazards identification

· **2.1 Classification of the substance or mixture**
· **Classification according to Regulation (EC) No 1272/2008**


GHS03 flame over circle

Ox. Sol. 2 H272 May intensify fire; oxidiser.


GHS09 environment

Aquatic Acute 1 H400 Very toxic to aquatic life.
Aquatic Chronic 1 H410 Very toxic to aquatic life with long lasting effects.

(Contd. on page 2)

Safety data sheet
according to 1907/2006/EC, Article 31 as amended

Printing date 16.02.2024 Version number 6 Revision: 16.02.2024

Trade name: Multifunctional Chlorine Tablets

(Contd. of page 1)


GHS07

Acute Tox. 4	H302 Harmful if swallowed.
Eye Irrit. 2	H319 Causes serious eye irritation.
STOT SE 3	H335 May cause respiratory irritation.

· **2.2 Label elements**
· **Labelling according to Regulation (EC) No 1272/2008**
The product is classified and labelled according to the GB CLP regulation.
· **Hazard pictograms** GHS03, GHS07, GHS09
· **Signal word** Danger

· **Hazard-determining components of labelling:**
symclosene
copper sulphate pentahydrate
· **Hazard statements**
H272 May intensify fire; oxidiser.
H302 Harmful if swallowed.
H319 Causes serious eye irritation.
H335 May cause respiratory irritation.
H410 Very toxic to aquatic life with long lasting effects.
· **Precautionary statements**

P210	Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking.
P220	Keep away from clothing and other combustible materials.
P261	Avoid breathing dust/fume/gas/mist/vapours/spray.
P305+P351+P338	IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.
P405	Store locked up.
P501	Dispose of contents/container in accordance with local/regional/national/international regulations.

· **Additional information:**
EUH031 Contact with acids liberates toxic gas.
· **2.3 Other hazards**
· **Results of PBT and vPvB assessment**
· **PBT:** Not applicable.
· **vPvB:** Not applicable.

*
SECTION 3: Composition/information on ingredients

· **3.2 Chemical characterisation: Mixtures**
· **Description:** Mixture: consisting of the following components.

(Contd. on page 3)

Safety data sheet
according to 1907/2006/EC, Article 31 as amended

Printing date 16.02.2024 Version number 6 Revision: 16.02.2024

Trade name: Multifunctional Chlorine Tablets

(Contd. of page 2)

· **Dangerous components:**

CAS: 87-90-1 EINECS: 201-782-8 Reg.nr.: 01-2120767978-27-XXXX	symclosene Ox. Sol. 2, H272; Aquatic Acute 1, H400; Aquatic Chronic 1, H410; Acute Tox. 4, H302; Eye Irrit. 2, H319; STOT SE 3, H335	50 – 100%
CAS: 10043-01-3 EINECS: 233-135-0 Reg.nr.: 01-2119531538-36-XXXX	Aluminium sulphate (anhydrous) Eye Dam. 1, H318	1 – 2.5%
CAS: 7758-99-8 EC number: 616-477-9	copper sulphate pentahydrate Aquatic Acute 1, H400 (M=10); Aquatic Chronic 1, H410 (M=1); Acute Tox. 4, H302; Skin Irrit. 2, H315; Eye Irrit. 2, H319	1 – < 2.5%
CAS: 10043-35-3 EINECS: 233-139-2 Reg.nr.: 01-2119486683-25-XXXX	boric acid Repr. 1B, H360FD; Acute Tox. 4, H332	0.1 – < 0.3%

· **SVHC**

10043-35-3	boric acid

· **Additional information:** For the wording of the listed hazard phrases refer to section 16.

*

SECTION 4: First aid measures

· **4.1 Description of first aid measures**
· **General information:**
Symptoms of poisoning may even occur after several hours; therefore medical observation for at least 48 hours after the accident.
· **After inhalation:** Supply fresh air; consult doctor in case of complaints.
· **After skin contact:**
Immediately rinse with water.
If skin irritation continues, consult a doctor.
· **After eye contact:**
Check for and remove any contact lenses.
Rinse opened eye for several minutes under running water. If symptoms persist, consult a doctor.
· **After swallowing:**
Rinse out mouth and then drink plenty of water.
Do not induce vomiting; call for medical help immediately.
If vomiting occurs spontaneously, keep head below hips to prevent aspiration.
· **Information for doctor:** Treat symptomatically and supportively.
· **4.2 Most important symptoms and effects, both acute and delayed**
No further relevant information available.
· **4.3 Indication of any immediate medical attention and special treatment needed**
No further relevant information available.

(Contd. on page 4)

Safety data sheet
according to 1907/2006/EC, Article 31 as amended

Printing date 16.02.2024 Version number 6 Revision: 16.02.2024

Trade name: Multifunctional Chlorine Tablets

(Contd. of page 3)

*
SECTION 5: Firefighting measures

· **5.1 Extinguishing media**
· **Suitable extinguishing agents:**
Water spray
Use fire extinguishing methods suitable to surrounding conditions.
· **For safety reasons unsuitable extinguishing agents:**
Foam
ABC powder
Water with full jet
· **5.2 Special hazards arising from the substance or mixture**
Risk of explosion on heating.
Many reactions may cause fire or explosion.
Strong oxidiser. Contact with combustible or flammable substances may cause fire.
In case of fire, the following can be released:
Chlorine compounds
Chlorine gas
Carbon monoxide (CO)
Sulphur Oxides (SOx)
Toxic metal oxide smoke
Boron compounds
Nitrogen oxides (NOx)
· **5.3 Advice for firefighters**
· **Protective equipment:**
Wear self-contained respiratory protective device.
Do not inhale explosion gases or combustion gases.
Wear fully protective suit.
· **Additional information**
Cool endangered receptacles with water spray.
Collect contaminated fire fighting water separately. It must not enter the sewage system.

*
SECTION 6: Accidental release measures

· **6.1 Personal precautions, protective equipment and emergency procedures**
Avoid formation of dust.
Ensure adequate ventilation
Wear protective equipment. Keep unprotected persons away.
· **6.2 Environmental precautions:**
Do not allow to penetrate the ground/soil.
Do not allow product to reach sewage system or any water course in the undiluted form.
Inform respective authorities in case of seepage into water course or sewage system.
· **6.3 Methods and material for containment and cleaning up:**
Pick up mechanically.
Send for recovery or disposal in suitable receptacles.
Do not use combustible materials such as paper towels to clean up spills.
Wash the area with plenty of water.
Ensure adequate ventilation.

(Contd. on page 5)

Safety data sheet
according to 1907/2006/EC, Article 31 as amended

Printing date 16.02.2024 Version number 6 Revision: 16.02.2024

Trade name: Multifunctional Chlorine Tablets

(Contd. of page 4)

· **6.4 Reference to other sections**
See Section 7 for information on safe handling.
See Section 8 for information on personal protection equipment.
See Section 13 for disposal information.

*
SECTION 7: Handling and storage

· **7.1 Precautions for safe handling**
Avoid direct contact (skin/eye contact, ingestion and/or inhalation of fume/mist/dust) with the product in the undiluted form.
Rinse contaminated clothing with plenty of water (Fire hazard)
Ensure good ventilation/exhaustion at the workplace.
Do not mix with acids.
· **Information about fire - and explosion protection:**
Dust can combine with air to form an explosive mixture.
Substance/product can reduce the ignition temperature of flammable substances.

· **7.2 Conditions for safe storage, including any incompatibilities**
· **Storage:**
· **Requirements to be met by storerooms and receptacles:**
Do not store in aluminium or galvanised containers.
Prevent any seepage into the ground.
Do not store on combustible materials such as wooden floors or wooden pallets.
· **Information about storage in one common storage facility:**
Store away from flammable substances.
Do not store together with textiles.
Store away from reducing agents.
Do not store together with acids.
· **Further information about storage conditions:** Store in cool, dry conditions in well sealed receptacles.
· **Storage class:** 5.1 B
· **7.3 Specific end use(s)** No further relevant information available.

*
SECTION 8: Exposure controls/personal protection

· **8.1 Control parameters**
· **Additional information about design of technical facilities:** No further data; see section 7.

· **Ingredients with limit values that require monitoring at the workplace:**	
10043-01-3 Aluminium sulphate (anhydrous)	
WEL	Long-term value: 2 mg/m³

· **DNELs**		
87-90-1 symclosene		
Oral	DNEL Long-term systemic effects	1.14 mg/kg bw/day (general population)
Dermal	DNEL Long-term systemic effects	1.14 mg/kg bw/day (general population)
		2.28 mg/kg bw/day (worker)

(Contd. on page 6)

Safety data sheet
according to 1907/2006/EC, Article 31 as amended

Printing date 16.02.2024 Version number 6 Revision: 16.02.2024

Trade name: Multifunctional Chlorine Tablets

(Contd. of page 5)

Inhalative	DNEL Long-term systemic effects	1.98 mg/m³ (general population)
		8.04 mg/m³ (worker)
10043-01-3 Aluminium sulphate (anhydrous)		
Oral	DNEL Long-term systemic effects	1.9 mg/kg bw/day (general population)
	DNEL Short-term systemic effects	92.4 mg/kg bw/day (general population)
Dermal	DNEL Short-term systemic effects	23.35 mg/kg bw/day (general population)
		46.7 mg/kg bw/day (worker)
	DNEL Long-term systemic effects	855 µg/kg bw/day (general population)
		1,710 µg/kg bw/day (worker)
	DNEL Short-term systemic effects	441 µg/kg bw/day (general population)
		882 µg/kg bw/day (worker)
	DNEL Long-term local effects	441 µg/kg bw/day (general population)
		882 µg/kg bw/day (worker)
Inhalative	DNEL Long-term systemic effects	1.5 mg/m³ (general population)
		3 mg/m³ (worker)
	DNEL Short-term systemic effects	1 mg/m³ (general population)
		2 mg/m³ (worker)
	DNEL Long-term local effects	1.5 mg/m³ (general population)
		3 mg/m³ (worker)
	DNEL Short-term local effects	1 mg/m³ (general population)
		2 mg/m³ (worker)
10043-35-3 boric acid		
Oral	DNEL Long-term systemic effects	980 µg/kg bw/day (general population)
	DNEL Short-term systemic effects	980 µg/kg bw/day (general population)
Dermal	DNEL Long-term systemic effects	196 mg/kg bw/day (general population)
		392 mg/kg bw/day (worker)
Inhalative	DNEL Long-term systemic effects	4.15 mg/m³ (general population)
		8.3 mg/m³ (worker)

· **PNECs**

87-90-1 symclosene	
PNEC Freshwater	0.17 – 12,100 µg/L
PNEC Freshwater - Intermittent releases	1.7 – 6,550 µg/L
PNEC Marine water	1.52 mg/L
PNEC Sewage Treatment Plant	590 – 204,100 µg/L
PNEC Sediment (freshwater)	7.56 mg/kg
PNEC Sediment (marine water)	756 µg/kg
PNEC Soil	756 µg/kg

(Contd. on page 7)

Safety data sheet
according to 1907/2006/EC, Article 31 as amended

Printing date 16.02.2024 Version number 6 Revision: 16.02.2024

Trade name: Multifunctional Chlorine Tablets

(Contd. of page 6)

10043-01-3 Aluminium sulphate (anhydrous)	
PNEC Freshwater	4.5 mg/L
PNEC Freshwater - Intermittent releases	30.11 mg/L
PNEC Marine water	64 mg/L
PNEC Sewage Treatment Plant	60.2 mg/L
PNEC Sediment (freshwater)	10 mg/kg
PNEC Sediment (marine water)	31.4 mg/kg
PNEC Air	2 mg/m³
PNEC Soil	58 mg/kg
PNEC Secondary poisoning	150 mg/kg food
10043-35-3 boric acid	
PNEC Freshwater	2.9 mg/L
PNEC Freshwater - Intermittent releases	13.7 mg/L
PNEC Marine water	2.9 mg/L
PNEC Sewage Treatment Plant	10 mg/L
PNEC Soil	5.7 mg/kg

· **Additional information:** The lists valid during the making were used as basis.

· **8.2 Exposure controls**
· **Personal protective equipment:**
· **General protective and hygienic measures:**
The usual precautionary measures are to be adhered to when handling chemicals.
Do not eat, drink, smoke or sniff while working.
A safe system of work must be formulated and followed to ensure safe working with this product. Relevant workers must receive suitable and sufficient training and supervision.
Do not breathe dust
Contaminated clothes are a fire hazard. Rinse with plenty of water.
Keep away from foodstuffs, beverages and feed.
Immediately remove all soiled and contaminated clothing
Wash hands before breaks and at the end of work.
Avoid contact with the eyes and skin.
Ensure that eyewash stations and safety showers are close to the workstation location.
· **Respiratory protection:** Use suitable respiratory protective device in case of insufficient ventilation.
· **Protection of hands:**

Protective gloves.
Use gloves tested and approved under appropriate government standards such as NIOSH (US) or EN374 (EU).

The glove material has to be impermeable and resistant to the product/ the substance/ the preparation.
Selection of the glove material on consideration of the penetration times, rates of diffusion and the degradation
· **Material of gloves**
Nitrile rubber, NBR
The selection of the suitable gloves does not only depend on the material, but also on further marks of quality and varies from manufacturer to manufacturer.

(Contd. on page 8)

Safety data sheet
according to 1907/2006/EC, Article 31 as amended

Printing date 16.02.2024 Version number 6 Revision: 16.02.2024

Trade name: Multifunctional Chlorine Tablets

(Contd. of page 7)

· **Penetration time of glove material**
Break-through time: >480 minutes
The exact break through time has to be found out by the manufacturer of the protective gloves and has to be observed.
· **Eye protection:**

Safety glasses with side-shields conforming to EN166.
Use equipment for eye protection tested and approved under appropriate government standards such as NIOSH (US) or EN 166(EU).

· **Body protection:**

Protective work clothing

Do not get on skin or clothing. Wear clothing and footwear that cannot be penetrated by the product. Suitable protective equipment may include: Chemical resistant boots, Chemical resistant apron, Full chemical protective suit with a hood, Chemical protective suit consisting of a jacket and trousers. The jacket should be buttoned up to the neck, sleeves sealed at the gloves, and trouser legs worn outside the boots. These precautions are required to prevent the clothing from accidentally trapping product against the skin.
· **Limitation and supervision of exposure into the environment**
Do not allow to enter drains, sewers or watercourses.

*
SECTION 9: Physical and chemical properties

· **9.1 Information on basic physical and chemical properties**	
· **General Information**	
· **Appearance:**	
Form:	Tablets
Colour:	White
· **Odour:**	Like chlorine
· **Odour threshold:**	Not determined.
· **pH-value (10 g/l) at 20 °C:**	2.7 - 3
· **Change in condition**	
Melting point/freezing point:	225 – 240 °C
Initial boiling point and boiling range:	Undetermined.
· **Flash point:**	Not applicable.
· **Flammability (solid, gas):**	Product is not flammable.
· **Decomposition temperature:**	Not determined.
· **Ignition temperature:**	Not determined.
· **Explosive properties:**	Product does not present an explosion hazard.
· **Explosion limits:**	
Lower:	Not determined.

(Contd. on page 9)

Safety data sheet
according to 1907/2006/EC, Article 31 as amended

Printing date 16.02.2024 Version number 6 Revision: 16.02.2024

Trade name: Multifunctional Chlorine Tablets

(Contd. of page 8)

Upper:	Not determined.
· **Vapour pressure:**	Not applicable.
· **Density at 20 °C:**	~ 2.5 g/cm³
· **Relative density**	Not determined.
· **Vapour density**	Not applicable.
· **Evaporation rate**	Not applicable.
· **Solubility in / Miscibility with water at 25 °C:**	12 g/l
· **Partition coefficient: n-octanol/water at 20 °C:**	-1.31 log POW
· **Viscosity:**	
Dynamic:	Not applicable.
Kinematic:	Not applicable.
· **9.2 Other information**	NOTE: The physical data presented above are typical values and should not be construed as a specification.

*
SECTION 10: Stability and reactivity

· **10.1 Reactivity** No further relevant information available.
· **10.2 Chemical stability**
· **Thermal decomposition / conditions to be avoided:** Risk of explosion on heating.
· **10.3 Possibility of hazardous reactions**
Reacts with acids releasing chlorine.
Risk of explosion on contact with combustible substances or incompatible substances.
Decomposes slowly on contact with water.
· **10.4 Conditions to avoid** Do not mix with other chemical formulations in their concentrated form.
· **10.5 Incompatible materials:**
Combustible materials.
Organic solvents.
Strong acids.
Reducing agents
Amines.
Ammonia
Hypochlorous acid and Hypochlorites
· **10.6 Hazardous decomposition products:**
Boron compounds
Chlorine
Chlorine compounds
Nitrogen oxides (NOx)
Sulphur oxides (SOx)
Carbon monoxide and carbon dioxide
Cyanates

(Contd. on page 10)

Safety data sheet
according to 1907/2006/EC, Article 31 as amended

Printing date 16.02.2024 Version number 6 Revision: 16.02.2024

Trade name: Multifunctional Chlorine Tablets

(Contd. of page 9)

Toxic metal oxide smoke

*
SECTION 11: Toxicological information

· **11.1 Information on toxicological effects**
· **Acute toxicity**
Harmful if swallowed.

· **LD/LC50 values relevant for classification:**		
ATE (Acute Toxicity Estimates)		
Oral	LD50	419 mg/kg

87-90-1 symclosene		
Oral	LD50	406 mg/kg (rat)
10043-01-3 Aluminium sulphate (anhydrous)		
Oral	LD50	> 2,000 mg/kg (rat)
Dermal	LD50	> 5,000 mg/kg (rabbit)
Inhalative	LC50/4 h	> 5 mg/l (rat)
7758-99-8 copper sulphate pentahydrate		
Oral	LD50	481 mg/kg (ATE)
		481 mg/kg (rat)
Dermal	LD50	> 2,000 mg/kg (rabbit)
10043-35-3 boric acid		
Oral	LD50	> 2,000 mg/kg (rat)
Dermal	LD50	> 2,000 mg/kg (rat)
Inhalative	LC50/4 h	> 2.03 mg/l (rat)

· **Primary irritant effect:**
· **Skin corrosion/irritation** Based on available data, the classification criteria are not met.
· **Serious eye damage/irritation**
Causes serious eye irritation.
· **Respiratory or skin sensitisation** Based on available data, the classification criteria are not met.
· **Additional toxicological information:**
ROUTES OF EXPOSURE: Can be absorbed into the body by inhalation and by ingestion.
INHALATION RISK: A harmful concentration of airborne particles can be reached quickly especially if powdered.
Inhalation may cause lung oedema, but only after initial corrosive effects on eyes and/or airways have become manifest. The symptoms of lung oedema often do not become manifest until a few hours have passed and they are aggravated by physical effort. Rest and medical observation are therefore essential. Immediate administration of an appropriate inhalation therapy by a doctor or a person authorized by him/her, should be considered.
Chronic copper poisoning in man is recognised in the form of Wilson's disease. Individuals with Wilson's disease are unable to metabolise copper. Thus, copper accumulates in various tissues and may result in liver, kidney and brain damage.

(Contd. on page 11)

Safety data sheet
according to 1907/2006/EC, Article 31 as amended

Printing date 16.02.2024 Version number 6 Revision: 16.02.2024

Trade name: Multifunctional Chlorine Tablets

(Contd. of page 10)

· **Acute effects (acute toxicity, irritation and corrosivity)**
EFFECTS OF SHORT-TERM EXPOSURE: The substance irritates the eyes, the skin and the respiratory tract. Corrosive on ingestion.
· **CMR effects (carcinogenity, mutagenicity and toxicity for reproduction)**
· **Germ cell mutagenicity** Based on available data, the classification criteria are not met.
· **Carcinogenicity** Based on available data, the classification criteria are not met.
· **Reproductive toxicity** Based on available data, the classification criteria are not met.
· **STOT-single exposure** May cause respiratory irritation.
· **STOT-repeated exposure** Based on available data, the classification criteria are not met.
· **Aspiration hazard** Based on available data, the classification criteria are not met.

*
SECTION 12: Ecological information

· **12.1 Toxicity**
· **Aquatic toxicity:** No further relevant information available.
· **12.2 Persistence and degradability** No further relevant information available.
· **12.3 Bioaccumulative potential** Contains components with the potential to bioaccumulate.
· **12.4 Mobility in soil** No further relevant information available.
· **Ecotoxical effects:**
· **Remark:** Very toxic for fish
· **Additional ecological information:**
· **General notes:**
Also poisonous for fish and plankton in water bodies.
Very toxic for aquatic organisms
Water hazard class 3 (German Regulation) (Self-assessment): extremely hazardous for water
Do not allow product to reach ground water, water course or sewage system, even in small quantities.
Danger to drinking water if even extremely small quantities leak into the ground.
· **12.5 Results of PBT and vPvB assessment**
· **PBT:** Not applicable.
· **vPvB:** Not applicable.
· **12.6 Other adverse effects** No further relevant information available.

*
SECTION 13: Disposal considerations

· **13.1 Waste treatment methods**
· **Recommendation**
Recommended Hierarchy of Controls:
- Minimise waste;
- Reuse if not contaminated;
- Recycle, if possible; or
- Safe disposal (if all else fails).
Must not be disposed together with household garbage. Do not allow product to reach sewage system.
Contact waste processors for recycling information.
Used, degraded or contaminated product may be classified as hazardous waste. Anyone classifying hazardous waste and determining its fate must be qualified in accordance with state and international legislation.

(Contd. on page 12)

Safety data sheet
according to 1907/2006/EC, Article 31 as amended

Printing date 16.02.2024 Version number 6 Revision: 16.02.2024

Trade name: Multifunctional Chlorine Tablets

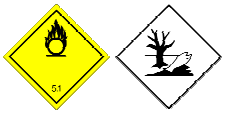
(Contd. of page 11)

· **European waste catalogue**
Waste key numbers in accordance with the European Waste catalogue (EWC) are origin-referred defined. Since this product is used in several industries, no waste key can be provided by the supplier. The waste key number should be determined in arrangement with your waste disposal partner or the responsible authority.

· **Uncleaned packaging:**
· **Recommendation:**
Empty contaminated packagings thoroughly. They may be recycled after thorough and proper cleaning.
Do not mix with other waste streams.
Container remains hazardous when empty. Continue to observe all precautions.
Disposal must be made according to official regulations.
Containers, even those that are “empty,” may contain residues that can develop flammable and/or hazardous vapours upon heating. Do not cut, drill, grind, weld, or perform similar operations on or near empty containers.
· **Recommended cleansing agents:** Water, if necessary together with cleansing agents.

*
SECTION 14: Transport information

· **14.1 UN-Number**	
· **ADR/RID/ADN, IMDG, IATA**	UN2468
· **14.2 UN proper shipping name**	
· **ADR/RID/ADN**	UN2468 TRICHLOROISOCYANURIC ACID, DRY, ENVIRONMENTALLY HAZARDOUS
· **IMDG**	TRICHLOROISOCYANURIC ACID, DRY, MARINE POLLUTANT
· **IATA**	TRICHLOROISOCYANURIC ACID, DRY
· **14.3 Transport hazard class(es)**	
· **ADR/RID/ADN, IMDG**	



· **Class**	5.1 Oxidising substances.
· **Label**	5.1
· **IATA**	

· **Class**	5.1 Oxidising substances.
· **Label**	5.1

(Contd. on page 13)

Safety data sheet
according to 1907/2006/EC, Article 31 as amended

Printing date 16.02.2024 Version number 6 Revision: 16.02.2024

Trade name: Multifunctional Chlorine Tablets

(Contd. of page 12)

· **14.4 Packing group**	
· **ADR/RID/ADN, IMDG, IATA**	II
· **14.5 Environmental hazards:**	Product contains environmentally hazardous substances: symclosene
· **Marine pollutant:**	Symbol (fish and tree)
· **Special marking (ADR/RID/ADN):**	Symbol (fish and tree)
· **14.6 Special precautions for user**	Warning: Oxidising substances.
· **Hazard identification number (Kemler code):**	50
· **EMS Number:**	F-A,S-Q
· **Stowage Category**	A
· **Handling Code**	H1 Keep as dry as reasonably practicable
· **14.7 Transport in bulk according to Annex II of Marpol and the IBC Code**	Not applicable.
· **Transport/Additional information:**	
· **ADR/RID/ADN**	
· **Limited quantities (LQ)**	1 kg
· **Excepted quantities (EQ)**	Code: E2 Maximum net quantity per inner packaging: 30 g Maximum net quantity per outer packaging: 500 g
· **Transport category**	2
· **Tunnel restriction code**	E
· **IMDG**	
· **Limited quantities (LQ)**	1 kg
· **Excepted quantities (EQ)**	Code: E2 Maximum net quantity per inner packaging: 30 g Maximum net quantity per outer packaging: 500 g
· **UN "Model Regulation":**	UN 2468 TRICHLOROISOCYANURIC ACID, DRY, 5.1, II, ENVIRONMENTALLY HAZARDOUS

*
SECTION 15: Regulatory information

· **15.1 Safety, health and environmental regulations/legislation specific for the substance or mixture**
· **Poisons Act**

· **Regulated explosives precursors**
None of the ingredients is listed.

· **Regulated poisons**
None of the ingredients is listed.

· **Reportable explosives precursors**
None of the ingredients is listed.

(Contd. on page 14)

Safety data sheet
according to 1907/2006/EC, Article 31 as amended

Printing date 16.02.2024 Version number 6 Revision: 16.02.2024

Trade name: Multifunctional Chlorine Tablets

(Contd. of page 13)

· **Reportable poisons**
None of the ingredients is listed.

· **Directive 2012/18/EU**
· **Named dangerous substances - ANNEX I** None of the ingredients is listed.
· **Seveso category**
P8
E1
· **Qualifying quantity (tonnes) for the application of lower-tier requirements** 50 t
· **Qualifying quantity (tonnes) for the application of upper-tier requirements** 200 t

· **DIRECTIVE 2011/65/EU on the restriction of the use of certain hazardous substances in electrical and electronic equipment – Annex II**
None of the ingredients is listed.

· **REGULATION (EU) 2019/1148**

· **Annex I - RESTRICTED EXPLOSIVES PRECURSORS (Upper limit value for the purpose of licensing under Article 5(3))**
None of the ingredients is listed.

· **Annex II - REPORTABLE EXPLOSIVES PRECURSORS**
None of the ingredients is listed.

· **Regulation (EC) No 273/2004 on drug precursors**
None of the ingredients is listed.

· **Regulation (EC) No 111/2005 laying down rules for the monitoring of trade between the Community and third countries in drug precursors**
None of the ingredients is listed.

· **National regulations:**

· **Other regulations, limitations and prohibitive regulations**

· **Substances of very high concern (SVHC) according to UK REACH**

10043-35-3	boric acid

· **15.2 Chemical safety assessment:** A Chemical Safety Assessment has not been carried out.

*
SECTION 16: Other information

This information is based on our present knowledge. However, this shall not constitute a guarantee for any specific product features and shall not establish a legally valid contractual relationship.

· **Relevant phrases**
H272 May intensify fire; oxidiser.
H302 Harmful if swallowed.
H315 Causes skin irritation.
H318 Causes serious eye damage.
H319 Causes serious eye irritation.
H332 Harmful if inhaled.
H335 May cause respiratory irritation.
H360FD May damage fertility. May damage the unborn child.

(Contd. on page 15)

Safety data sheet
according to 1907/2006/EC, Article 31 as amended

Printing date 16.02.2024 Version number 6 Revision: 16.02.2024

Trade name: Multifunctional Chlorine Tablets

(Contd. of page 14)

H400 Very toxic to aquatic life.
H410 Very toxic to aquatic life with long lasting effects.

· **Training hints**
This product should only be handled by workers who have received sufficient training in the safe handling and use of chemical products.

· **Department issuing SDS:** Product safety department.
· **Abbreviations and acronyms:**
ADR: Accord relatif au transport international des marchandises dangereuses par route (European Agreement Concerning the International Carriage of Dangerous Goods by Road)
IMDG: International Maritime Code for Dangerous Goods
IATA: International Air Transport Association
GHS: Globally Harmonised System of Classification and Labelling of Chemicals
EINECS: European Inventory of Existing Commercial Chemical Substances
ELINCS: European List of Notified Chemical Substances
CAS: Chemical Abstracts Service (division of the American Chemical Society)
DNEL: Derived No-Effect Level (UK REACH)
PNEC: Predicted No-Effect Concentration (UK REACH)
LC50: Lethal concentration, 50 percent
LD50: Lethal dose, 50 percent
PBT: Persistent, Bioaccumulative and Toxic
vPvB: very Persistent and very Bioaccumulative
ATE: Acute toxicity estimate values
Ox. Sol. 2: Oxidizing solids – Category 2
Acute Tox. 4: Acute toxicity – Category 4
Skin Irrit. 2: Skin corrosion/irritation – Category 2
Eye Dam. 1: Serious eye damage/eye irritation – Category 1
Eye Irrit. 2: Serious eye damage/eye irritation – Category 2
Repr. 1B: Reproductive toxicity – Category 1B
STOT SE 3: Specific target organ toxicity (single exposure) – Category 3
Aquatic Acute 1: Hazardous to the aquatic environment - acute aquatic hazard – Category 1
Aquatic Chronic 1: Hazardous to the aquatic environment - long-term aquatic hazard – Category 1
· *** Data compared to the previous version altered.**