

# Safety data sheet

## according to Regulation (EC) No 1907/2006, Article 31

Printing date 06.11.2024

Version number 14 (replaces version 13)

Revision: 06.11.2024

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

• **1.1 Product identifier**

• **Trade name: Bromine Tablets**

• Article number: CPC IRL 0580

• CAS Number:  
32718-18-6

• EC number:  
251-171-5

• UFI: 0HC5-XQS3-TH0F-TXAR

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

No further relevant information available.

• **Application of the substance / the mixture** Water treatment

• **1.3 Details of the supplier of the safety data sheet**

• **Manufacturer/Supplier:**

UK:

Complete Pool Controls Ltd  
Unit 2, The Park  
Stoke Orchard  
Bishops Cleeve  
Gloucestershire  
GL52 7RS

Telephone: +44 (0) 8712 229081

Fax: +44 (0) 8712 229083

E-mail: sales@cpc-chemicals.co.uk

EU:

Chemoform AG  
Bahnhofstr. 68, D-73240 Wendlingen  
Tel: +49 7024 4048-0, Fax: +49 7024 4048-2800,  
E-Mail: info@chemoform.com

• **Further information obtainable from:** product safety

• **1.4 Emergency telephone number:**

Telephone: +44 (0) 8712 229081 (office hours)

+44 (0) 1242 300271 (outside of office hours)

National Poison Inform. Centre  
Medical Toxicology Unit  
Avalonley Road  
London SE14 5ER  
+44 (0) 171 635 91 91

### 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. 3

H272 May intensify fire; oxidiser.



GHS05 corrosion

Skin Corr. 1B

H314 Causes severe skin burns and eye damage.

Eye Dam. 1

H318 Causes serious eye damage.

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GHS09 environment

Aquatic Acute 1 H400 Very toxic to aquatic life.

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



GHS07

Acute Tox. 4 H302 Harmful if swallowed.

Skin Sens. 1 H317 May cause an allergic skin reaction.

### • 2.2 Label elements

#### • Labelling according to Regulation (EC) No 1272/2008

The substance is classified and labelled according to the CLP regulation.

#### • Hazard pictograms



GHS03



GHS05



GHS07



GHS09

#### • Signal word Danger

#### • Hazard-determining components of labelling:

Bromchlor-5,5-dimethylimidazolidin-2,4-dion

#### • Hazard statements

H272 May intensify fire; oxidiser.

H302 Harmful if swallowed.

H314 Causes severe skin burns and eye damage.

H317 May cause an allergic skin reaction.

H410 Very toxic to aquatic life with long lasting effects.

#### • Precautionary statements

P101 If medical advice is needed, have product container or label at hand.

P102 Keep out of reach of children.

P273 Avoid release to the environment.

P301+P312 IF SWALLOWED: Call a POISON CENTER/doctor if you feel unwell.

P303+P361+P353 IF ON SKIN (or hair): Take off immediately all contaminated clothing. Rinse skin with water [or shower].

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.

EUH206 Warning! Do not use together with other products. May release dangerous gases (chlorine).

#### • 2.3 Other hazards

#### • Results of PBT and vPvB assessment

• PBT: Not applicable.

• vPvB: Not applicable.

## SECTION 3: Composition/information on ingredients

### • 3.1 Substances

#### • CAS No. Description

32718-18-6 Bromchlor-5,5-dimethylimidazolidin-2,4-dion

#### • Identification number(s)

• EC number: 251-171-5

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- SVHC
- biocidal active substances

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### SECTION 4: First aid measures

#### • 4.1 Description of first aid measures

##### • General information:

Immediately remove any clothing soiled by the product.

Symptoms of poisoning may even occur after several hours; therefore medical observation for at least 48 hours after the accident.

##### • After inhalation:

Call a doctor immediately.

Supply fresh air and to be sure call for a doctor.

In case of unconsciousness place patient stably in side position for transportation.

##### • After skin contact:

Call a doctor immediately.

Immediately wash with water and soap and rinse thoroughly.

##### • After eye contact:

Call a doctor immediately.

Rinse opened eye for several minutes under running water. Then consult a doctor.

##### • After swallowing:

Rinse out mouth and then drink plenty of water.

Call for a doctor immediately.

Drink plenty of water and provide fresh air. Call for a doctor immediately.

#### • 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.

### SECTION 5: Firefighting measures

#### • 5.1 Extinguishing media

##### • Suitable extinguishing agents:

Foam

Use fire extinguishing methods suitable to surrounding conditions.

##### • For safety reasons unsuitable extinguishing agents:

Water with full jet

#### • 5.2 Special hazards arising from the substance or mixture

In case of fire, the following can be released:

Hydrogen chloride (HCl)

#### • 5.3 Advice for firefighters

##### • Protective equipment:

Wear self-contained respiratory protective device.

Mouth respiratory protective device.

##### • Additional information

Cool endangered receptacles with water spray.

### SECTION 6: Accidental release measures

#### • 6.1 Personal precautions, protective equipment and emergency procedures

Avoid formation of dust.

Mount respiratory protective device.

Wear protective equipment. Keep unprotected persons away.

#### • 6.2 Environmental precautions:

Inform respective authorities in case of seepage into water course or sewage system.

Do not allow to enter sewers/ surface or ground water.

#### • 6.3 Methods and material for containment and cleaning up:

Use neutralising agent.

Dispose contaminated material as waste according to section 13.

Ensure adequate ventilation.

#### • 6.4 Reference to other sections

See Section 7 for information on safe handling.

See Section 8 for information on personal protection equipment.

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See Section 13 for disposal information.

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### SECTION 7: Handling and storage

#### • 7.1 Precautions for safe handling

Extractor required at the object.  
Any unavoidable deposit of dust must be regularly removed.  
Thorough dedusting.

• **Information about fire - and explosion protection:** The product is not flammable.

#### • 7.2 Conditions for safe storage, including any incompatibilities

##### • Storage:

• Requirements to be met by storerooms and receptacles: Store only in the original receptacle.

• Information about storage in one common storage facility:

Store away from oxidising agents.  
Store away from flammable substances.  
Do not store together with acids.

• Further information about storage conditions:

Protect from humidity and water.  
Keep container tightly sealed.

• 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

• **Ingredients with limit values that require monitoring at the workplace:** Not required.

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

#### • 8.2 Exposure controls

• **Appropriate engineering controls** No further data; see section 7.

#### • Individual protection measures, such as personal protective equipment

• General protective and hygienic measures:

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.

• Respiratory protection: Use suitable respiratory protective device when high concentrations are present.

• Hand protection



Protective gloves

The glove material has to be impermeable and resistant to the product/ the substance/ the preparation.

Due to missing tests no recommendation to the glove material can be given for the product/ the preparation/ the chemical mixture.

Selection of the glove material on consideration of the penetration times, rates of diffusion and the degradation

• Material of gloves

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.

• Penetration time of glove material

The exact break through time has to be found out by the manufacturer of the protective gloves and has to be observed.

• For the permanent contact gloves made of the following materials are suitable: Rubber gloves

• Eye/face protection

Face protection  
Gauze goggles



Tightly sealed goggles

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• Body protection: Impervious protective clothing

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### SECTION 9: Physical and chemical properties

#### • 9.1 Information on basic physical and chemical properties

##### • General Information

• Physical state	Solid
• Colour:	Yellowish
• Odour:	Characteristic
• Odour threshold:	Not determined.
• Melting point/freezing point:	Undetermined.
• Boiling point or initial boiling point and boiling range	Undetermined.
• Flammability	Product is not flammable.
• Lower and upper explosion limit	
• Lower:	Not determined.
• Upper:	Not determined.
• Flash point:	Not applicable.
• Decomposition temperature:	Not determined.
• pH	Not applicable.
• Viscosity:	
• Kinematic viscosity	Not applicable.
• Dynamic:	Not applicable.
• Solubility	
• water:	Soluble.
• Partition coefficient n-octanol/water (log value)	Not determined.
• Vapour pressure:	Not applicable.
• Density and/or relative density	
• Density:	Not determined.
• Relative density	Not determined.
• Vapour density	Not applicable.
• Particle characteristics	See section 3.

#### • 9.2 Other information

##### • Appearance:

• Form:	Solid
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##### • Important information on protection of health and environment, and on safety.

• Ignition temperature:	Not determined.
• Explosive properties:	Product does not present an explosion hazard.
• Solids content:	100.0 %

##### • Change in condition

• Evaporation rate	Not applicable.
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##### • Information with regard to physical hazard classes

• Explosives	Void
• Flammable gases	Void
• Aerosols	Void
• Oxidising gases	Void
• Gases under pressure	Void
• Flammable liquids	Void
• Flammable solids	Void
• Self-reactive substances and mixtures	Void
• Pyrophoric liquids	Void
• Pyrophoric solids	Void
• Self-heating substances and mixtures	Void
• Substances and mixtures, which emit flammable gases in contact with water	Void
• Oxidising liquids	Void
• Oxidising solids	May intensify fire; oxidiser.
• Organic peroxides	Void
• Corrosive to metals	Void
• Desensitised explosives	Void

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### SECTION 10: Stability and reactivity

- **10.1 Reactivity** No further relevant information available.
- **10.2 Chemical stability**
- **Thermal decomposition / conditions to be avoided:** No decomposition if used according to specifications.
- **10.3 Possibility of hazardous reactions** No dangerous reactions known.
- **10.4 Conditions to avoid** No further relevant information available.
- **10.5 Incompatible materials:** No further relevant information available.
- **10.6 Hazardous decomposition products:**
  - Hydrogen chloride (HCl)
  - Chlorine
  - Bromine

### SECTION 11: Toxicological information

- **11.1 Information on hazard classes as defined in Regulation (EC) No 1272/2008**
- **Acute toxicity**
  - Harmful if swallowed.
- **LD/LC50 values relevant for classification:**


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**32718-18-6 Bromchlor-5,5-dimethylimidazolidin-2,4-dion**

  - Oral LD50 578 mg/kg (rat)
- **Primary irritant effect:**
- **Skin corrosion/irritation** Causes severe skin burns and eye damage.
- **Serious eye damage/irritation** Based on available data, the classification criteria are not met.
- **Respiratory or skin sensitisation** May cause an allergic skin reaction.
- **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** Based on available data, the classification criteria are not met.
- **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.
- **11.2 Information on other hazards**
- **Endocrine disrupting properties**


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  - Substance is not listed.

### 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** No further relevant information available.
- **12.4 Mobility in soil** No further relevant information available.
- **12.5 Results of PBT and vPvB assessment**
- **PBT:** Not applicable.
- **vPvB:** Not applicable.
- **12.6 Endocrine disrupting properties** The product does not contain substances with endocrine disrupting properties.
- **12.7 Other adverse effects**
- **Remark:** Very toxic for fish
- **Additional ecological information:**
  - General notes:
  - Water hazard class 2 (German Regulation) (Assessment by list): hazardous for water
  - Do not allow product to reach ground water, water course or sewage system.
  - Must not reach sewage water or drainage ditch undiluted or unneutralised.
  - Danger to drinking water if even small quantities leak into the ground.
  - Also poisonous for fish and plankton in water bodies.
  - Very toxic for aquatic organisms

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### SECTION 13: Disposal considerations

#### • 13.1 Waste treatment methods

##### • Recommendation

Must be specially treated adhering to official regulations.

Must not be disposed together with household garbage. Do not allow product to reach sewage system.

##### • European waste catalogue

07 04 99 wastes not otherwise specified

##### • Uncleaned packaging:

##### • Recommendation:

Packaging may be reused or recycled after cleaning.

Empty contaminated packagings thoroughly. They may be recycled after thorough and proper cleaning.

• Recommended cleansing agents: Water, if necessary together with cleansing agents.

### SECTION 14: Transport information

#### • 14.1 UN number or ID number

##### • ADR, IMDG, IATA

UN3085

#### • 14.2 UN proper shipping name

##### • ADR

3085 OXIDIZING SOLID, CORROSIVE, N.O.S. (Bromchlor-5,5-dimethylimidazolidin-2,4-dion), ENVIRONMENTALLY HAZARDOUS OXIDIZING SOLID, CORROSIVE, N.O.S. (Bromchlor-5,5-dimethylimidazolidin-2,4-dion), MARINE POLLUTANT OXIDIZING SOLID, CORROSIVE, N.O.S. (Bromchlor-5,5-dimethylimidazolidin-2,4-dion)

##### • IMDG

##### • IATA

#### • 14.3 Transport hazard class(es)

##### • ADR



##### • Class

5.1 Oxidising substances.

##### • Label

5.1+8

##### • IMDG



##### • Class

5.1 Oxidising substances.

##### • Label

5.1/8

##### • IATA



##### • Class

5.1 Oxidising substances.

##### • Label

5.1 (8)

#### • 14.4 Packing group

##### • ADR, IMDG, IATA

II

#### • 14.5 Environmental hazards:

##### • Marine pollutant:

Yes

Symbol (fish and tree)

Symbol (fish and tree)

##### • Special marking (ADR):

Warning: Oxidising substances.

#### • 14.6 Special precautions for user

• Hazard identification number (Kemler code):

58

• EMS Number:

F-A,S-Q

• Stowage Category

B

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- Handling Code H1 Keep as dry as reasonably practicable
- Segregation Code SG38 Stow "separated from" SGG2-ammonium compounds.  
SG49 Stow "separated from" SGG6-cyanides  
SG60 Stow "separated from" SGG16-peroxides

- **14.7 Maritime transport in bulk according to IMO instruments** Not applicable.

• **Transport/Additional information:**

- 
- ADR
  - Excepted quantities (EQ): E2
  - 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 3085 OXIDIZING SOLID, CORROSIVE, N.O.S. (BROMCHLOR-5,5-DIMETHYLIMIDAZOLIDIN-2,4-DION), 5.1 (8), II, ENVIRONMENTALLY HAZARDOUS

### SECTION 15: Regulatory information

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

• **Directive 2012/18/EU**

- Named dangerous substances - ANNEX I Substance is not listed.

• Seveso category

P8 OXIDISING LIQUIDS AND SOLIDS

E1 Hazardous to the Aquatic Environment

- 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**

Substance is not listed.

• **REGULATION (EU) 2019/1148**

- Annex I - RESTRICTED EXPLOSIVES PRECURSORS (Upper limit value for the purpose of licensing under Article 5(3))

Substance is not listed.

- Annex II - REPORTABLE EXPLOSIVES PRECURSORS

Substance is not listed.

- Regulation (EC) No 273/2004 on drug precursors

Substance is not listed.

- Regulation (EC) No 111/2005 laying down rules for the monitoring of trade between the Community and third countries in drug precursors

Substance is not listed.

- **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.

This Safety Data Sheet is in compliance with Regulation (EC) No 1907/2006, Article 31 as amended by Regulation (EU) 2020/878.

- **Version number of previous version:** 13

• **Abbreviations and acronyms:**

ICAO: International Civil Aviation Organisation

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RID: Règlement international concernant le transport des marchandises dangereuses par chemin de fer (Regulations Concerning the International Transport of Dangerous Goods by Rail)

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

CAS: Chemical Abstracts Service (division of the American Chemical Society)

LC50: Lethal concentration, 50 percent

LD50: Lethal dose, 50 percent

PBT: Persistent, Bioaccumulative and Toxic

SVHC: Substances of Very High Concern

vPvB: very Persistent and very Bioaccumulative

Ox. Sol. 3: Oxidizing solids – Category 3

Acute Tox. 4: Acute toxicity – Category 4

Skin Corr. 1B: Skin corrosion/irritation – Category 1B

Eye Dam. 1: Serious eye damage/eye irritation – Category 1

Skin Sens. 1: Skin sensitisation – Category 1

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

- IRL -