



## SAFETY DATA SHEET

### 1. Identification of the substance/preparation and of the company/undertaking

**1.1 Product Identifier** Sodium Bromide

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

Uses: Biocide substances

Restrictions: All other uses except those stated above.

Remark: This substance is exempt from registration according to Regulation (EC) No. 1907/2006 (REACH).

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

Company: 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](mailto:sales@cpc-chemicals.co.uk)

**1.4 Emergency Telephone**

Tel: +44 (0) 8712 229081 (office hours) +44 (0) 1242 300271 (outside of office hours)

### 2. Hazard Identification

**2.1 Classification of the substance or mixture**

**Classification according to Regulation (EC) No 1272/2008**

The product is not classified as dangerous according to Regulation (EC) No. 1272/2008.

**Most important adverse effects**

Human Health: See section 11 for toxicological information

Physical & Chemical Hazards: See section 9 for physicochemical information

Potential environmental effects: See section 12 for environmental information

**2.2 Label elements**

**Labelling according to Regulation (EC) No 1272/2008**

The product is not labeled as dangerous according to Regulation (EC) No. 1272/2008.

**2.3 Other Hazards**

For Results of PBT and vPvB assessment see section 12.5.

### 3. Composition/information on ingredients

**3.1 Substance**

Remark: No dangerous ingredients according to Regulation (EC) No. 1907/2006

	<b>Cas No</b>	<b>EC No.</b>	<b>%</b>
Sodium Bromide	7647-15-6	231-599-9	> 98 - <= 100

#### 4. First Aid measures

##### 4.1 Description of first aid measures

General Advice:	No special precautions required.
If Inhaled:	Remove to fresh air. If breathing is irregular or stopped, administer artificial respiration. If symptoms occur, call a physician
In case of skin contact:	Wash off immediately with plenty of water for at least 15 minutes. If skin irritation persists, call a physician. If symptoms occur, call a physician.
In case of eye contact:	Rinse immediately with plenty of water, also under the eyelids, for at least 15 minutes. Remove contact lenses after a few minutes and continue rinsing. If eye irritation persists, consult a specialist.
If swallowed:	Rinse mouth with water. Do NOT induce vomiting. Never give anything by mouth to an unconscious person. Call a physician or poison control centre immediately.

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

Symptoms :	See Section 11 for more detailed information on health effects and symptoms.
Effects:	Health injuries are not known or expected under normal use. See Section 11 for more detailed information on health effects and symptoms.

##### 4.3 Indication of immediate medical attention and special treatment needed

Treatment	Treat symptomatically
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#### 5. Fire fighting measures

##### 5.1 Extinguishing media:

Suitable extinguishing media:	Use extinguishing measures that are appropriate to local circumstances and the surrounding environment.
Unsuitable extinguishing media:	High volume water jet

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

Specific Hazards during fire:	Heating or fire can release toxic gas. Not combustible.
Haz. combustion products:	Carbon monoxide, Carbon dioxide (CO <sub>2</sub> ), Hydrogen bromide, Sodium oxides, Bromine

##### 5.3 Advice for fire-fighters

Special protective equipment:	In the event of fire, wear self-contained breathing apparatus. Choose protective equipment according to size of fire.
Further Information:	Collect contaminated fire extinguishing water separately. This must not be discharged into drains. Cool closed containers exposed to fire with water spray.

#### 6. Accidental release Measures

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

Personal Precautions:	Use personal protective equipment. Ensure adequate ventilation. Avoid contact with skin, eyes and clothing. Avoid dust formation.
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##### 6.2 Environmental precautions

Environmental precautions: Do not flush into surface water or sanitary sewer system. Avoid subsoil penetration.

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## 6. Accidental release Measures

### 6.3 Methods and materials for containment and cleaning up

Cleaning up: Use mechanical handling equipment. Sweep up and shovel into suitable containers for disposal. Keep in suitable, closed containers for disposal. Flush away residuals with plenty of water. Retain and dispose of contaminated wash water. Avoid generation of dust

Further Information: Treat recovered material as described in the section 'Disposal considerations'

### 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

## 7. Handling and storage

### 7.1 Precautions for safe handling

Advice on safe handling: Keep container tightly closed. Ensure adequate ventilation. Handle in accordance with good industrial hygiene and safety practice. Avoid contact with skin, eyes and clothing. Avoid dust formation. Do not breathe dust.

Hygiene measures: Keep away from food, drink and animal feedingstuffs. Smoking, eating and drinking should be prohibited in the application area. Wash hands before breaks and at the end of workday. Remove and wash contaminated clothing before re-use.

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

Storage areas : Avoid dust formation.

Containers: Store in original containers.

Fire and explosion: No special measures required. To avoid thermal decomposition, do not overheat.

Further information: Keep tightly closed in a dry and cool place. Keep in a well-ventilated place.

Common storage: Keep away from food, drink and animal feedingstuffs. Incompatible with oxidizing agents.

Storage Temperature: Heavy metal salts Acids

Storage Temperature: No further information available

### 7.3 Specific end uses

Specific use(s) No information available

## 8. Exposure control/personal protection

### 8.1 Control parameters

This product does not contain any relevant quantities that have to be monitored in the workplace.

### 8.2 Exposure controls

**Engineering measures** Refer to protective measures listed in sections 7 and 8.  
Provide for appropriate exhaust ventilation and dust collection at machinery.

#### Personal protective equipment

Respiratory protection If ventilation is insufficient, suitable respiratory protection must be provided Required, if exposure limit is exceeded (e.g. OEL). In the case of dust or aerosol formation use respirator with an approved filter. Respiratory protection complying with EN 141.

Filter Type: Particulates type

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## 8. Exposure control/personal protection

Hand protection	Protective gloves complying with EN 374. Please observe the instructions regarding permeability and breakthrough time which are provided by the supplier of the gloves. Also take into consideration the specific local conditions under which the product is used, such as the danger of cuts, abrasion, and the contact time. Protective gloves should be replaced at first signs of wear.
Material:	Chemical resistant gloves.
Eye protection	Safety goggles. Ensure that eyewash stations and safety showers are close to the workstation location.
Skin and body protection	Choose body protection in relation to its type, to the concentration and amount of dangerous substances, and to the specific work-place. Wear appropriate chemical resistant clothing and boots.

### Environmental exposure controls

General advice: Do not flush into surface water or sanitary sewer system. Avoid subsoil penetration.

## 9. Physical and chemical properties

### 9.1 Information on basic physical and chemical properties

Form:	Crystalline solid
Colour:	Colourless to pale yellow
Odour:	white
pH @ 20°C:	No data available
Melting point/range	755 °C
Boiling point/boiling range	101 - 103°C
Flammability (solid, gas)	The product is not flammable.
Vapour pressure	1.33 hPa (806 °C)
Relative density	3.203
Water solubility	946 g/l (25 °C)
Solubility in other solvents:	55.3 g/l (Ethanol; 25 °C) 116.92 g/l (methanol; 25 °C)
Thermal decomposition:	ca. 800 °C Thermal decomposition or combustion may liberate carbon oxides and other toxic gases or vapours.
Explosivity:	The product does not present an explosion hazard.

### 9.2 Other Information

No further information available

## 10. Stability and reactivity

### 10.1 Reactivity

Reactivity No decomposition if stored and applied as directed.

### 10.2 Chemical stability

Chemical stability Stable under recommended storage conditions.

### 10.3 Possibility of hazardous reactions

Hazardous reactions: No dangerous reaction known under conditions of normal use.

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Trade Name: Sodium Bromide

## 10. Stability and reactivity

### 10.4 Conditions to avoid

Conditions to avoid To avoid thermal decomposition , do not overheat. Avoid dust formation.  
Thermal decomposition: ca.800 °C  
Thermal decomposition or combustion may liberate carbon oxides and other toxic gases or vapours.

### 10.5 Incompatible materials

Materials to avoid Heavy metal salts, Acids, Strong oxidizing agents

### 10.6 Hazardous decomposition products

Haz. decomp. products: Hydrogen bromide, Sodium oxide, Bromine

## 11. Toxicological Information

### 11.1 Information on toxicological effects

**Acute Toxicity Oral:** No known significant effects or critical hazards.

Value type	Value	Species
LD50 Oral	>4200 mg/kg	Rat

**Inhalation:** No data available

**Dermal:** No data available

#### Primary irritant effect:

on the skin: No skin irritation  
on the eye: No eye irritation

**Sensitization:** No sensitizing effects known.

#### CMR Properties

Chronic toxicity: No data available

Carcinogenicity: No data available

Mutagenicity: No data available

#### Specific Target Organ Toxicity

Single Exposure: No data available

Repeated exposure: No data available

Aspiration hazard: No data available

## 12. Ecological Information

### 12.1 Toxicity

Toxicity: The product is not classified as dangerous for the environment.

### 12.2 Persistence and degradability

Persistence/degradability No data available

### 12.3 Bioaccumulative potential

Remarks: No data available

### 12.4 Mobility in soil

Remarks: Water soluble. May be absorbed into soil.

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**Trade Name:** Sodium Bromide

## 12. Ecological Information

### 12.5 Results of PBT and PvB assessment

PBT / PvB assessment This substance/mixture contains no components considered to be either persistent, bioaccumulative and toxic (PBT), or very persistent and very bioaccumulative (vPvB) at levels of 0.1% or higher.

**12.6 Other adverse effects** Do not flush into surface water or sanitary sewer system. Avoid subsoil penetration.

## 13. Disposal Considerations

### 13.1 Waste treatment methods

#### Product

Disposal together with normal waste is not allowed. Special disposal required according to local regulations. Do not let product enter drains. Contact waste disposal services.

#### Contaminated packaging

Empty contaminated packagings thoroughly. They can be recycled after thorough and proper cleaning. Packagings that cannot be cleaned are to be disposed of in the same manner as the product. In accordance with local and national regulations.

#### Classification

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

## 14. Transport Information

Not dangerous goods for ADR, RID, IMDG and IATA.

**14.1 UN Number** Not applicable

**14.2 UN proper shipping name** Not applicable

**14.3 Transport hazard class(es)** Not applicable

**14.4 Packaging Group** Not applicable

**14.5 Environmental hazards** Not applicable

**14.6 Special precautions for user** Not applicable

**14.7 Transport in bulk according to Annex II of MARPOL 73/78 and the IBC Code**

Note: Not applicable

## 15. Regulatory information

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

EU. Regulation No 1451/2007 [Biocides], Annex I, OJ (L 325): EC Number: , 231-599-9; Listed

EU. Directive 2012/18/EU (SEVESO III) Annex I: The substance/mixture does not fall under this legislation.  
WGK (DE) WGK 1: slightly water endangering: 38; Classification source is Annex 2

### 15.2 Chemical Safety Assessment

no data available

## 16. Other information

### **Key literature references and sources for data**

Supplier information and data from the "Database of registered substances" of the European Chemicals Agency (ECHA) were used to create this safety data sheet.

### **Methods used for product classification**

The classification for human health, physical and chemical hazards and environmental hazards were derived from a combination of calculation methods and if available test data.

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█ Indicates updated section.