

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

**1.1 Product Identifier** Sulphate Turbidity Test Tablets

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

Uses: Testing Reagent

Restrictions: At this time we do not have information on use restrictions

**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**

Hazard Class	Hazard Category	Target Organs	Hazard Statements
Acute Toxicity	Category 1		H302 H332

For the full text of the H statements mentioned in this section see Section 16.

**Classification according to EU Directives 67/548/EEC or 1999/45/EC**

Hazard Symbol/Category of danger	Risk phrases
Harmful	R20 -22

For the full text of the R phrases mentioned in this section see Section 16.

**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**

Hazard symbols:



Signal word: Warning

Hazard statements: H302 Harmful if Swallowed  
H332 Harmful if Inhaled

Prevention P264: Wash thoroughly after handling  
P273: Avoid release to the environment  
P280: Wear protective gloves/protective clothing/eye protection/face protection

Response P301+330+331: IF SWALLOWED: Rinse mouth. Do NOT induce vomiting

P301+310: IF SWALLOWED: Immediately call a POISON CENTRE or doctor/physician  
P303+361+353: IF ON SKIN (or hair): Remove/Take off immediately all contaminated clothing. Rinse skin with water

**Hazardous components which must be listed on the label**

barium chloride dihydrate

**2.3 Other Hazards**

No other information is available

**Trade Name:** Sulphate Turbidity Test Tablets

### 3. Composition/information on ingredients

#### 3.1 Substances

Chemical nature: Liquid  
Mixture of substances listed below with nonhazardous additions

Chemical Name			CAS No:	EINECS	EC No
barium chloride dihydrate	Xn		10326-27-9	233-788-9	056-004-00-8
sodium chloride	Xn			7647-14-5	

### 4. First Aid measures

#### 4.1 Description of first aid measures

General Advice: Take off all contaminated clothing immediately.

If Inhaled: In case of accident by inhalation; remove casualty to fresh air. Consult a doctor.

In case of skin contact: Wash off immediately with plenty of soap & water. If irritation appears seek medical advice

In case of eye contact: Rinse immediately with plenty of water, also under eyelids for at least 15 minutes. Remove contact lenses. Seek medical attention

If swallowed: Clean mouth with water and drink plenty of water. DO NOT INDUCE VOMITING. Consult a doctor.

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

Symptoms: No further information available.

Effects: Danger of system failure and disturbed cardiac rhythm

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

Treatment Treat symptomatically

### 5. Fire fighting measures

#### 5.1 Extinguishing media:

Suitable extinguishing media: Water spray, fog or mist. Powder, foam or CO2

Unsuitable extinguishing media: No information available

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

Specific Hazards during fire: Formation of toxic gases is possible during heating or in case of fire. Hydrogen chloride (HCl)

#### 5.3 Advice for fire-fighters

Special protective equipment: Wear full protective clothing and self contained breathing apparatus (SCBA)

Further Information: Do not inhale explosion gases or combustion gases  
Collect contaminated fire fighting water separately. It must not enter drains.  
Dispose of fire debris and contaminated fire fighting water in accordance with official regulations.

**6. Accidental release Measures**

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

Personal Precautions: Use personal protective equipment. Keep people away from and upwind of spill/leak. Provide adequate ventilation. Do not breathe vapours.

**6.2 Environmental precautions** Do not discharge into drains or rivers.

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

Methods and materials for containment and cleaning up: Collect mechanically.

**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: Ensure adequate ventilation. Use personal protective equipment. Avoid contact with skin and eyes. Emergency eye wash fountains and emergency showers should be available in the immediate vicinity. Do not mix with other products in their concentrated form.

Hygiene measures: Smoking, eating and drinking should be prohibited in the application area. Wash hands before breaks and at the end of the work day. Take off all contaminated clothing immediately. Provide adequate ventilation.

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

Requirements for storage areas and containers: Prevent any seepage into the ground

Advice on protection against fire and explosion: No special measures required

Further information: Store in cool, dry conditions in well sealed receptacles

Advice on common storage: Keep away from food, drink and animal feedstuffs.

Storage Temperature: Store in cool dry conditions, away from heat and direct sunlight, protect from humidity.

**7.3 Specific end uses**

Specific use(s) No information available

**8. Exposure control/personal protection**

**8.1 Control parameters**

Regulatory Basis: EU. Indicative Exposure and Directives relating to the protection of risks related to work exposure to chemical, physical, and biological agents.

	LTEL 8hr TWA	
	ppm	mg/m <sup>3</sup>
barium chloride dihydrate	-	0.5

**8.2 Exposure controls**

**Engineering measures** Refer to protective measures listed in sections 7 and 8

**Personal protective equipment**

Respiratory protection Advice: Self contained breathing apparatus must be available in case of emergency

**8. Exposure control/personal protection****8.2 Exposure controls****Personal protective equipment**

Hand protection Advice: Gloves  
 Material: Only use chemical-protective gloves with a CE-labelling of category III.  
 Thickness >0.11mm

Eye protection Advice: Tightly fitting safety goggles

Skin protection Advice: Protective clothing

**Environmental exposure controls**

General advice: Do not flush into surface water or sanitary sewer systems

**9. Physical and chemical properties****9.1 Information on basic physical and chemical properties**

Form: Solid  
 Colour: White

Odour: Odourless  
 Odour Threshold: Currently we do not have any information from our supplier about this.

pH @ 20°C: 5.5  
 Melting Point: Currently we do not have any information from our supplier about this.  
 Boiling point: 300°C  
 Flash point: N/A

Evaporation rate: Currently we do not have any information from our supplier about this.  
 Flammability (solid, gas): Currently we do not have any information from our supplier about this.  
 Vapour pressure: Currently we do not have any information from our supplier about this.  
 Relative vapour density: Currently we do not have any information from our supplier about this.  
 Density @ 20°C: Currently we do not have any information from our supplier about this.

Water solubility: Fully miscible  
 Partition coefficient:n-octanol/water: Currently we do not have any information from our supplier about this.  
 Ignition temperature: Currently we do not have any information from our supplier about this.  
 Thermal decomposition: Currently we do not have any information from our supplier about this.  
 Viscosity, kinematic: Currently we do not have any information from our supplier about this.  
 Explosive properties: Currently we do not have any information from our supplier about this.  
 Oxidising properties: Product is not an oxidiser

**9.2 Other Information** No further information available

**10. Stability and reactivity**

**10.1 Reactivity** No information available

**10.2 Chemical stability** No decomposition if stored and applied as directed

**10.3 Possibility of hazardous reactions** No dangerous reactions known

**10.4 Conditions to avoid** Overheating

**10.5 Incompatible materials** Alkali metals, feran-2-percarbonic acid

**10.6 Hazardous decomposition products** No information available

**11. Toxicological Information****11.1 Information on toxicological effects**

Toxicity	Oral LD	Oral LD50	Dermal
7647 - 14 - 5 Sodium chloride	12 mg/kg (child)	3,000 mg/kg (rat)	>10,000 mg/kg (rabbit)
10326 - 27 - 9 barium chloride dihydrate		118 mg/kg (rat)	

**Primary irritant effect:**

**on the skin:** No irritant effect

**on the eye:** Irritating to eyes

**Sensitization:** No sensitisation effect known

**Carcinogenic** No further information available

**Mutagenic** No further information available

**Further Information:****12. Ecological Information**

**12.1 Toxicity** Harmful to fish and other aquatic life.

	EC50	LC50
7647 - 14 - 5 Sodium chloride	1,000 mg/l/148h (Daphnia magna)	7,650 mg/l/148h (Pimephales promelas)
10326 - 27 - 9 barium chloride dihydrate	21.9 mg/l/148h (Daphnia magna)	870 mg/l/148h (Leuciscus idus)

**12.2 Persistence and degradability**

**Persistence** No further information available

**Degradability** No further information available

**12.3 Bioaccumulative potential** Completely water soluble; bioaccumulation is unlikely.

**12.4 Mobility in soil** No further information available

**12.5 Results of PBT and PvB** No further information available

**12.6 Other adverse effects****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

Contaminated packaging: Empty contaminated packaging's 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.

European Waste Catalogue No: No waste code according to the European Waste Catalogue can be assigned for this product, as the intended use dictates the assignment. The waste code is established in consultation with the regional waste disposer.

**Trade Name:** Sulphate Turbidity Test Tablets

#### 14. Transport Information

<b>14.1 UN Number</b>	1564
<b>14.2 UN proper shipping name</b>	Barium Compound N.O.S. (barium chloride-dihydrate)
<b>14.3 Transport hazard class(es)</b>	
Class	6.1
Classification Code	2
Hazard label	60
Transport Category	T5
Tunnel Code	E
Special Marking	
<b>14.4 Packaging Group</b>	III
<b>14.5 Environmental hazards</b>	
Environmentally Hazardous	No
Marine Pollutant	No
<b>14.6 Special precautions for user</b>	No further information available
<b>14.7 Transport in bulk according to Annex II of MARPOL 73/78 and the IBC Code</b>	No further information available

#### 15. Regulatory information

- 15.1 Safety, health and environmental regulations/legislation specific for this substance or mixture.**
- 15.2 Chemical Safety Assessment**
- No further information available

#### 16. Other information

Full text of R-phrases referred to under sections 2 and 3  
R20 -22 Harmful by inhalation and if swallowed

Full text of H-statements referred to under sections 2 and 3  
H302 Harmful if Swallowed  
H332 Harmful if Inhaled

This information is believed to be accurate and represents the best information currently available to us. However, we make no warranty or merchantability, or fitness for any particular use, or any other warranty, express or implied, with respect to this information, and we assume no liability resulting from use of this information. Users should make their own investigations to determine the suitability of the information for their particular needs and uses.

**16. Other information**

**• Abbreviations and acronyms:**

- ADR: Accord europeen sur le transport des marchandises dangereuse par Route (European Agreement concerning the International Carriage of Dangerous Goods by Road)
- RID: Reglement international concernant le transport des marchandises dangereuses par chemin de fer (Regulations concerning the International Carriage of Dangerous Goods by Road)
- IMDG: International Maritime Code for Dangerous Goods
- IATA: International Air Transport Association
- IATA-DGR Dangerous goods Regulations by the 'International Air Transport Association' (IATA)
- ICAO: International Civil Aviation Organization
- GHS: Globally Harmonized System of Classification and Labelling of Chemicals
- EINECS European Inventory of Existing Commercial Chemical Substances.
- CAS: Chemicals Abstracts Service (division of the Americal Chemical Society)
- LC50: Lethal concentration, 50 percent
- LD50: Lethal dose, 50 percent

<b>Revision</b>	<b>Date</b>	<b>By</b>	<b>Amendment</b>
1	05/09/07	Linda Brueford	Created
2	28/11/11	Linda Brueford	Updated to 2011 European requirements and other minor editorial amendments