

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

1.1 Product Identifier

Trade Name: Total Alkalinity Test Tablets
CAS No: 7646-93-7
EC No: 231-594-1

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

Uses: Testing Water
Restrictions: At this time we do not yet have information on identified 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

1.4 Emergency Telephone

Tel: +44 (0) 8712 229081 (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
Skin Irritation			H315
Eye Irritation			H320

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
Irritant	R36/38

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 toxicological information.
Potential environmental effects: See section 12 for toxicological information.

2.2 Label elements

Labelling according to Regulation (EC) No 1272/2008

Hazard symbols:



Signal word:

Warning

Hazard statements:

H320 Causes Eye Irritation
H315 Causes Skin Irritation

2. Hazard Identification...cont

Precautionary statements:

General

Prevention	P280	Wear protective gloves/protective clothing / eye & face protection
Response	P301+ P330 + P315:	IF SWALLOWED: rinse mouth. Get immediate medical attention.
	P303+ P361 + P353:	IF ON SKIN (or hair) : Remove immediately all contaminated clothing. Rinse skin with water/shower. If symptoms occur get medical attention.
	P305 + P351 + P338	IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing
Storage	P403 + P235:	Store in a well ventilated place. Keep cool

Hazardous components which must be listed on the label

Potassium Hydrogensulphate

2.3 Other Hazards

No other information is available.

3. Composition/information on ingredients**3.1 Substances**

Chemical nature: Solid

Chemical Name	Identification Numbers		Amount %
	CAS-No.	EC-No.	
Potassium Hydrogensulphate	7646-93-7	231-594-1	5 - 10%
Sodium Hydrogen Carbonate	144-55-8	205-633-8	<1%
Sodium Metabisulphate	7681-57-4	231-673-0	<1%

4. First Aid measures**4.1 Description of first aid measures**

If inhaled:	Unlikely route of exposure as the product does not contain volatile substances.
If Ingested:	Immediately rinse mouth and drink plenty of water (200-300 ml). Get medical attention immediately
In case of skin contact:	Wash skin thoroughly with soap and water. Get medical attention if symptoms occur after washing
In case of eye contact:	Rinse immediately with plenty of water, also under the eyelids, for at least 15 minutes. Remove contact lenses. If irritation continues continue flushing during transport to hospital.

4.2 Most important symptoms and effects, both acute and delayed

Symptoms:	No further information available.
Effects:	No further information available.

4.3 Indication of immediate medical attention and special treatment needed

Treatment	Treat Symptomatically. No further information available.
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5. Fire fighting measures

5.1 Extinguishing media:

Suitable extinguishing media: Use extinguishing measures that are appropriate to the surrounding environment. This product itself does not burn.

Unsuitable extinguishing media: No information available.

5.2 Special hazards arising from the substance or mixture

Specific Hazards during fire fighting: No information available.

5.3 Advice for fire-fighters

Special protective equipment for fire-fighters: In the event of fire, wear self-contained breathing apparatus. Wear appropriate body protection (full protective suit).

Further Information: No information available.

6. Accidental release Measures

6.1 Personal precautions, protective equipment and emergency procedures

Personal Precautions: Use personal protective equipment. Provide adequate ventilation. Avoid contact with skin and eyes. For personal protection see section 8.

6.2 Environmental precautions

Environmental precautions: Not relevant considering the small amounts used. Do not discharge into the ground or water courses.

6.3 Methods and materials for containment and cleaning up

Methods and materials for containment and cleaning up: Avoid generation and spreading of dust. Collect in containers and seal securely.

6.4 Reference to other sections

For personal protection see section 8

7. Handling and storage

7.1 Precautions for safe handling

Advice on safe handling: Use personal protective equipment. Avoid contact with skin and eyes. Emergency eye wash should be available in the immediate vicinity.

Hygiene measures: Keep away from food, drink and animal feeding stuffs. Smoking, eating and drinking should be prohibited in the application area. Wash hands before breaks and at the end of workday.

7. Handling and storagecontinued**7.2 Conditions for safe storage, including any incompatibilities.**

Requirements for storage areas and containers: Keep in original containers. Store in a cool and well ventilated place.

Advice on protection against fire and The product is not flammable.

Further information on storage conditions: Keep tightly closed in a dry and cool place. Keep in a well ventilated place.

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

7.3 Specific end uses

Specific use(s) Water Testing

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.

Component: Microcrystalline Cellulose CAS No:

Regulatory List: WEL
Value type: Time Weighted Average (TWA)
Value: 4 mg/m³

Regulatory List: WEL
Value type: Short Term Exposure Limit (STEL)
Value: 20 mg/m³

Component: Sodium Metabisulphate CAS No: 7681-57-4

Regulatory List: WEL
Value type: Time Weighted Average (TWA)
Value: 5 mg/m³

8.2 Exposure controls

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

Personal protective equipment

Respiratory protection Advice: No specific recommendation made, but respiratory protection may still be required under exceptional circumstances when excessive air contamination exists.

Hand protection Advice: Use suitable protective gloves if risk of skin contact.

Glove thickness: No recommendation
Material: No recommendation
Gloves: No recommendation

Eye protection Advice: Tightly fitting safety goggles.

Skin and body protection Advice: Protective clothing.

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:	Solid
Colour:	Pink
Odour:	odourless
Odour Threshold:	Currently we do not have any information from our supplier about this.
pH @ 20°C:	Currently we do not have any information from our supplier about this.
Solidification point	Currently we do not have any information from our supplier about this.
Boiling point/boiling range:	Currently we do not have any information from our supplier about this.
Flash point:	Currently we do not have any information from our supplier about this.
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.
Upper explosion limit:	Currently we do not have any information from our supplier about this.
Lower explosion limit:	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:	completely 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:	Product is not explosive.
Oxidising properties:	Currently we do not have any information from our supplier about this.

9.2 Other Information

Molecular Weight:	Currently we do not have any information from our supplier about this.
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10. Stability and reactivity**10.1 Reactivity**

Advice:	No information available.
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10.2 Chemical stability

Advice:	No decomposition if stored and applied as directed. No further information available.
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10.3 Possibility of hazardous reactions

Hazardous reactions:	No hazardous reactions known
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10.4 Conditions to avoid

Conditions to avoid	No information available.
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10.5 Incompatible materials

Materials to avoid	No information available.
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10.6 Hazardous decomposition products

Hazardous decomposition products:	No information available.
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11. Toxicological Information

11.1 Information on toxicological effects

Acute Toxicity

Oral

Remarks

May cause stomach pain or vomiting. Ingestion may cause severe irritation of the mouth, the oesophagus and the gastrointestinal tract.

Irritation

Skin

Remarks

Irritating to skin

Eyes

Remarks

May cause severe irritation to eyes

Further information

Other relevant toxicity information:

No data available

12. Ecological Information

12.1 Toxicity

There is no data on the toxicity of this product. The product components are not classified as environmentally hazardous. However, this does not exclude the possibility that large or frequent spills can have a harmful or damaging effect on the environment.

12.2 Persistence and degradability

Remarks: No data available

12.3 Bioaccumulative potential

Remarks: No data available

12.4 Mobility in soil

Remarks: No data available

12.5 Results of PBT and PvB assessment

Remarks: No data available

12.6 Other adverse effects

Additional ecological information

Remarks: 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 is required according to local regulations. Do not let product enter drains. Contact waste disposal services.

Contaminated packaging:

Empty contaminated packaging thoroughly. They can be re-cycled after thorough and proper cleaning. Packaging that cannot be cleaned is to be disposed of in the same manner as the product

13. Disposal Considerations**13.1 Waste treatment methods**

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.

14. Transport Information

14.1 UN Number 3260

14.2 UN proper shipping name

ADR: CORROSIVE SOLID, ACIDIC, INORGANIC, N.O.S. (POTASSIUM HYDROGENSULPHATE)
 RID: CORROSIVE SOLID, ACIDIC, INORGANIC, N.O.S. (POTASSIUM HYDROGENSULPHATE)
 IMDG: CORROSIVE SOLID, ACIDIC, INORGANIC, N.O.S. (POTASSIUM HYDROGENSULPHATE)

14.3 Transport hazard class(es)

ADR Class (Label, classification code; Hazard ID; Tunnel Restriction code)	8 8; 2X; 80; (E)
RID Class (Label, Classification Code; Hazard ID;)	8 8; 2X; 80;
IMDG Class (Labels; EmS)	8 8; F-A,S-B

14.4 Packaging Group

ADR: III
 RID: III
 IMDG: III

14.5 Environmental hazards

Labelling according to 5.2.1.8 ADR: no
 Labelling according to 5.2.1.8 RID: no
 Labelling according to 5.2.1.8 IMDG: no
 Classification as environmentally hazardous according to 2.9.3 IMDG: no
 Classified as 'P' according to 2.10 IMDG: no

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

IMDG: Not applicable

15. Regulatory information**15.1 Safety, health and environmental regulations/legislation specific for this substance or mixture.****15.2 Chemical Safety Assessment**

Currently we do not have any information from our supplier about this.

16. Other information

Full text of R-phrases referred to under sections 2 and 3

R34	Causes burns
R31	Contact with acids liberates toxic gases
R22	Harmful if swallowed
R36/38	Irritating to eyes and skin
R36	Irritating to eyes
R37	Irritating to respiratory system
R52	Risk of serious damage to eyes

Full text of H-statements referred to under sections 2 and 3

H320	Causes Eye Irritation
H315	Causes Skin Irritation

Further information

Restricted to professional users. Attention - Avoid exposure- obtain special instructions before use

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.

• 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 American Chemical Society)
LC50:	Lethal concentration, 50 percent
LD50:	Lethal dose, 50 percent

Revision	Date	By	Amendment
1	12/02/2007	Linda Brueford	Created
2	18/10/10	Linda Brueford	GHS label elements added and other minor editorial amendments
3	12/05/11	Linda Brueford	Updated to 2011 European requirements