

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

1.1 Product Identifier

Copper No 2

Chemical Name: Sodium Dithionite

CAS No: 7775-14-6

EC No: 231-890-0

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
Self Heat	Category 1		H251.
Acute Tox	Category 4		H302

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 (Xi)	R7
	R22
	R31

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: Danger

Hazard statements: H251: Self-heating; may catch fire
H302: Harmful if swallowed
EUH031: Contact with acids liberates toxic gas

Trade Name: Copper No 2 - Comparator

3. Composition/information on ingredients

3.1 Substances

Chemical nature:	Solid				
Chemical Name		CAS-No.	EC-No.	%	Hazard
Sodium Dithionite		7775-14-6	231-890-0	1 - 5	Xn, R7,R22,R31

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. Get medical attention if irritation continues.

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.
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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.
Unsuitable extinguishing media:	No information available.

5.2 Special hazards arising from the substance or mixture

Specific Hazards during fire fighting:	No information available.
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5.3 Advice for fire-fighters

Special protective equipment	No information available.
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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.
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6.2 Environmental precautions

Environmental precautions:	Do not discharge onto the ground or into water courses.
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6. Accidental release Measures

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 spillage in containers, seal securely and deliver for disposal according to local regulations. Containers with collected spillage must be properly labelled with correct contents and hazard symbol
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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 handling which leads to dust formation.
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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.
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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.
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Advice on protection against fire and	The product is not flammable.
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Further information on storage conditions:	No further data available
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Advice on common storage:	Keep away from food, drink and animal feeding stuffs.
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7.3 Specific end uses

Specific use(s)	Water Testing
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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.
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Not regulated

8.2 Exposure controls

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

Respiratory protection	Advice: No specific recommendation made
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Hand protection	Advice: Use suitable protective gloves if risk of skin contact.
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Glove thickness:	No recommendation
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Material:	No recommendation
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Gloves:	No recommendation
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Eye protection	Advice: Tightly fitting safety goggles.
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Skin and body protection	Advice: Protective clothing.
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Environmental exposure controls

General advice:	Good personal hygiene practises always advisable when working with chemicals.
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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:	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	Avoid excessive heat for prolonged periods of time.
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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 discomfort if swallowed
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Irritation

Skin:	Remarks	Skin irritation is not anticipated when used normally
Eyes:	Remarks	Particles in the eyes may cause irritation and smarting

Further information

Other relevant toxicity information:	No specific symptoms noted but this chemical may still have adverse health impact, either in general or on certain individuals.
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12. Ecological Information**12.1 Toxicity**

There is no data on the ecotoxicity 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
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12.3 Bioaccumulative potential	Remarks: No data available
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12.4 Mobility in soil	Remarks: No data available
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12.5 Results of PBT and PvB assessment	Remarks: No data available
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12.6 Other adverse effects	Remarks: No data available
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13. Disposal Considerations**13.1 Waste treatment methods**

Product:	Dispose of waste and residues in accordance with local authority requirements.
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Contaminated packaging:	Dispose of waste and residues in accordance with local authority requirements.
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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.
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14. Transport Information

14.1 UN Number	Not applicable
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14.2 UN proper shipping name	Not applicable
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14.3 Transport hazard class(es)	Not applicable
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14.4 Packaging Group	Not applicable
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14.5 Environmental hazards	Not applicable
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14.6 Special precautions for user	Not applicable
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Trade Name: Copper No 2 - Comparator

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

R7 May cause fire
R22 Harmful if swallowed
R31 Contact with acids liberates toxic gas

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

H251: Self-heating; may catch fire
H302: Harmful if swallowed
EUH031 Contact with acids liberates toxic gas

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.

Revision	Date	By	Amendment
1	12/02/2007	Linda Brueford	Created
2	30/08/2011	Linda Brueford	Updated to 2011 European requirements