

CHRYSO® CWA 10
Crystalline waterproofing admixture



SAFETY DATA SHEET
(REACH regulation (EC) n° 1907/2006 - n° 453/2010)

1. IDENTIFICATION OF SUBSTANCE/PREPARATION AND COMPANY

Substance/preparation

Trade name: **CHRYSO® CWA 10**

Normal use: Crystalline waterproofing admixture

Company

CHRYSO Southern Africa (Pty) LTD

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2. COMPOSITION/INFORMATION ON INGREDIENTS

This product is classified as an irritant and contains hazardous components:

Substance name	Concentration	CAS/EINECS/EC Index	Symbol	R-phrase
Cement (OPC)	>50%	65997-15-1	Xi	36/37/38

3. IDENTIFICATION OF HAZARDS

Inhalation

CHRYSO®CWA 10 is not expected to present a significant hazard under the anticipated conditions for normal use. It may cause irritation to the respiratory system.

Ingestion

The product must not come into contact with food or be consumed because swallowing **CHRYSO®CWA 10** represents a health hazard.

Eyes

CHRYSO®CWA 10 will act as an irritant when it comes into contact with one's eyes. It may injure eye tissue if not removed promptly.

Skin

Repeated or prolonged contact with the skin will cause irritation and dermatitis. Prolonged skin contact will cause chemical burns.

4. FIRST AID

As a general rule, always call a doctor in case of doubt or if symptoms persist. Never induce swallowing in an unconscious person.

Inhalation

In the event of exposure by inhalation, move the patient into fresh air and keep him/her warm and still. If coughing or breathing difficulty persists, call a doctor.

Ingestion

With ingestion, wash out mouth thoroughly with fresh water, but do not induce vomiting. Seek medical advice.

Eyes

If **CHRYSO®CWA 10** is splashed in or has any contact with a person's eyes – hold the eyelids open and wash thoroughly with water. Obtain emergency medical

Skin

Should **CHRYSO®CWA 10** have any contact with the skin, wash the affected area with soap and water. Remove the contaminated clothing. Obtain medical attention if irritation persists.

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5. FIRE FIGHTING MEASURES

This is not relevant as **CHRYSO®CWA 10** is not flammable. However, toxic gas may be emitted on thermal decomposition and fire fighting personnel should be equipped with autonomous insulating breathing apparatus. Wear rubber boots in addition to physical protective clothing. Foam and carbon dioxide should be used as extinguishing media. Water is an unsuitable extinguishing media.

6. MEASURES TO BE TAKEN IN THE EVENT OF ACCIDENTAL SPILLAGE

Safety precautions

Consult safety measures under section 7 and section 8 of this data sheet (handling and storage, exposure control/personal safety). Avoid inhaling the fumes. If a large quantity of **CHRYSO®CWA 10** is spilled, evacuate personnel within the surrounding area and only allow trained operators that are equipped with safety apparatus to deal with the spillage.

Environmental safety precautions

Prevent any material from entering drains or waterways. If **CHRYSO®CWA 10** contaminates waterways, rivers or drains, alert the relevant authorities in accordance with statutory procedures. Avoid the creation of dust into the atmosphere.

Cleaning methods

Contain and control the leaks or spills with non-combustible absorbent materials such as absorbent brooms, sand, earth, vermiculite, and diatom earth in drums for waste disposal. Residues may be flushed into a drain with large amounts of water, however prior consent must be obtained from a local water company. Clean up spills as soon as possible and use suitable disposable containers. Clean preferably with a detergent, do not use solvents.

7. HANDLING AND STORAGE

The regulations that apply to the storage premises of **CHRYSO®CWA 10** must apply to workshops where the product is handled.

Handle **CHRYSO®CWA 10** in accordance with good industrial hygiene and safety procedures. Observe precautions stated on the label as well as industrial safety regulations. Avoid creating dust.

Keep the product away from a person's or an animal's food or drink. All smoking, eating and drinking must be prohibited in premises where the preparation is used. Wash hands and other exposed areas with mild soap before one eats, drinks or smokes and before leaving work. Avoid any contact with eyes.

CHRYSO®CWA 10 must be stored in a tightly closed container in a dry, cool and well ventilated area. In case of insufficient ventilation, wear suitable respiratory equipment. Prevent access of any unauthorised personnel onto the premises.

8. EXPOSURE CONTROL/PERSONAL SAFETY



Atmospheric dust must be maintained within the occupational exposure standard.

Respiratory protection

Where exposure through inhalation may occur from use, approved respiratory protection is recommended of class FFP2. Provide adequate ventilation.

Skin protection

Personnel must wear regularly laundered overalls and physical protective equipment including gloves. Gloves should be resistant to chemical penetration. Protective creams may be used for exposed skin, but they should not be applied after contact with the product.

Eye protection

Avoid contact with eyes and use safety goggles. Supply eye washes in workshops where **CHRYSO®CWA 10** is constantly handled. See section 11 of the safety data sheet (toxicological information).

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9. PHYSICAL AND CHEMICAL PROPERTIES

Physical state: aggregated powder

Colour: grey

Alkali content: < 0,35% Na₂O

Specific gravity @ 20°C: > 1,3 bulk

pH (working dilution): > 12

Solubility of preparation in water: partially soluble

10. STABILITY AND REACTIVITY

This material is stable at the handling and storage conditions recommended in section 7 (handling and storage) of this data sheet.

CHRYSO®CWA 10 may react to exposure of air and contamination of water.

11. TOXICOLOGICAL INFORMATION

No data is available regarding the preparation itself. However, it is generally agreed that **CHRYSO®CWA 10** can cause the lesions on the eye and significant irritation to the skin about 24 hours after exposure. This will only occur if section 7 (handling and storage) as well as section 10 (stability and reactivity) is not adhered to.

12. ECOLOGICAL INFORMATION

Little detailed information is available on the ecological effects of the product but its overall environmental impact is not regarded as significant. **CHRYSO®CWA 10** is not expected to be ecotoxic to fish, daphnia or algae. It is partially soluble in water.

13. DISPOSAL CONSIDERATIONS

Dispose this product and its container in a safe manner and in accordance with national/municipal regulations.

14. TRANSPORT INFORMATION

This product is not classified as dangerous for transport.

15. REGULATORY INFORMATION

This preparation is classified in compliance with the directive known as All preparations 88/379/EEC and its adaptations. In addition, directive 91/63/EC with the 50° (+16°) adaptation of directive 67/548/EC Hazardous Substances has been taken into account.

Preparation classification: irritant XI

Contains: cement powders

Particular hazards associated with the preparation and safety recommendations:

Risk phrases

R36/37/38: irritating to eyes, respiratory system and skin

Safety phrases

S22: do not breathe in dust

S24/25: avoid contact with skin and eyes

S26: in case of contact with eyes, rinse immediately with plenty of water and seek medical advice

S28: after contact with skin wash immediately with soap and water

S37: wear suitable gloves

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Statutory instruments:

(Chemicals) Hazard information and packaging Reg. 1993 SI 1746
Health and safety at Work Act 1974
Control of substances hazardous to health Reg. 1988 9SI 1657

Codes of good practice:

Waste management: the duty of care

Guidance notes:

Occupational skin diseases: health and safety precautions (EH 26)
Dust in the workplace: general principals of protection (EH 44)
Occupational exposure limits (EH40)

The above publications are available from HMSO

16. OTHER INFORMATION

The contents and format of this material safety data sheet are in accordance with EEC Commission Directive 2001/58/EC.
Print date: 2015/06/23

Disclaimer: The user's working conditions are not known by CHRYSO, the information supplied on this safety data sheet is based on CHRYSO's current level of knowledge and on national and community regulations.

CHRYSO® CWA 10 must not be used for any purposes other than those specified under section 1 (identification of the substance/preparation and the company) without first obtaining written instructions. It is at all times the responsibility of the user to take all necessary measures to comply with legal requirements and local regulations. The information given on this safety data sheet must be regarded as a description of the safety requirements relating to our product and not a guarantee of its properties.

The contents and format of this material safety data sheet are in accordance with EEC Commission Directive 2001/58/EC.