

CHRYSO®Fluid L
High range water reducing/ superplasticising 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®Fluid L**

Normal use: Superplasticiser

Company

CHRYSO Southern Africa (Pty) LTD

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Website: www.chryso.com

Sharecall facility: 0861 CHRYSO

2. COMPOSITION/INFORMATION ON INGREDIENTS

Hazardous substance present on their own (present in the preparation at a sufficient concentration to give it toxicological characteristics it would have in a 100% pure state): No substances in the category

Other substances representing a hazard: No known substances in this category.

Other substances with occupational exposure limits: No known substances in the category.

Substances present at a concentration below the minimum danger threshold:

605-001-00-5 Cas 50-00-0

Formaldehyde

Concentration: >0% and <2.50%

Symbol: 23/24/25-34-40, C3-343

3. IDENTIFICATION OF HAZARDS

CHRYSO®Fluid L is not flammable and is not classified as hazardous to health by directive 88/379/EEC

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.

Ingestion

With ingestion, wash out mouth thoroughly with fresh water, but do not induce vomiting. Seek medical advice and show this material safety data sheet.

Eyes

If **CHRYSO®Fluid L** is splashed in or has any contact with a person's eyes □ hold the eyelids open and wash thoroughly with water. Seek medical attention if pain, blinking or redness persists.

Skin

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

5. FIRE FIGHTING MEASURES

Not relevant as the product is not flammable. Toxic gas may be emitted on thermal decomposition and fire fighting personnel should be equipped with protective equipment and autonomous insulating breathing apparatus.

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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). Equip the cleanup crew with proper protection.

Environmental safety precautions

Prevent any material from entering drains or waterways. Use drums to dispose of waste that is recovered in accordance with section 13 of this data sheet (disposal considerations). If **CHRYSO®Fluid L** contaminates waterways, rivers or drains, alert the relevant authorities in accordance with statutory procedures.

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. Clean up spills as soon as possible and use 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®Fluid L** must apply to workshops where the product is handled.

CHRYSO®Fluid L must be handled in accordance with good industrial hygiene and safety procedures. Observe precautions stated on the label as well as industrial safety regulations.

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 the eyes.

CHRYSO®Fluid L must be stored in a tightly closed container in a dry, well ventilated area. Prevent access of any unauthorised personnel onto the premises.

8. EXPOSURE CONTROL/PERSONAL SAFETY



Exposure limits

France 605-001-00-5	VME-pum: 0.5	VME-mg/m ³ : -	VLE-ppm: 1	VLE-mg/m ³ : -	Notes: TMP N ^o : C 43
Germany 605-001-00-5	Class: 1	MAK-ppm: 0.5	MAK-mg/m ³ : 0.6	Notes: B Sens	Notes: -
ACGIH (TLV) 605-001-00-5	TWA-ppm: 0.3	TWA-mg/m ³ : 0.37	STEL-ppm: -	STEL-mg/m ³ : -	Notes: A2 P

Respiratory protection

Where exposure through inhalation may occur from use, approved respiratory protection is recommended. Provide adequate ventilation in order to minimise vapour concentrations.

Skin protection

Personnel must wear regularly laundered overalls and physical protective equipment including gloves. The 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®Fluid L** is constantly handled.

For further information, see section 11 of this safety data sheet (toxicological information).

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9. PHYSICAL AND CHEMICAL PROPERTIES

Physical state: liquid
Specific gravity (25°C): >1
Colour: brown

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.

11. TOXICOLOGICAL INFORMATION

The preparation contains no substance classed as hazardous per directive 67/543/EEC.

For preparations with one constituent, formaldehyde is released during hardening.

For preparations with two constituents, pulverisation aerosols contain formaldehyde and a certain amount of this substance is released before hardening.

Formaldehyde may cause irreversible effects, irritation of the mucous membranes and sensitivity of the respiratory organs.

12. ECOLOGICAL INFORMATION

No data is available regarding the preparation itself.

13. DISPOSAL CONSIDERATIONS

Do not pour into drains or waterways. Dispose this product and its container at a hazardous or special waste collection point in a safe manner and in accordance with national/municipal regulations; avoid its release into the environment.

14. TRANSPORT INFORMATION

Exempt from transport classification and labelling.

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 96/54/EC with the 22° adaptation of directive 67/548/EEC (hazardous substances) have been taken into account

16. OTHER INFORMATION

Print date: 2015/05/27

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®Fluid L 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.