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## SAFETY DATA SHEET

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### 1 - IDENTIFICATION OF PREPARATION AND COMPANY/BUSINESS

**Preparation:**

Name: CHRYSOPLAST PR2 XL

**Company/business:**

Registered company name: CHRYSO SA

Address: Post Net Suite #59, Private Bag X 1, East Rand, 1462.

Telephone: 011 395-9700/1/2/3 Fax: 011 397-6644.

**Normal use:**

ADMIXTURE FOR CONCRETE AND MORTAR

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### 2 - INFORMATION REGARDING CONSTITUENTS

**Hazardous substances present on their own.**

(present in the preparation at a sufficient concentration to give it the toxicological characteristics it would have in a 100% pure state)

CALCIUM CHLORIDE Concentration  $\geq 50.00\%$  and  $< 80.00\%$ . Symbol: Xi R: 36

CALCIUM NITRATE Concentration  $\geq 0.00\%$  and  $< 02.00\%$ . Symbol: Xi R: 36

**Other substances representing a hazard**

TRIETHANOLAMINE Concentration  $\geq 0.00\%$  and  $< 2.50\%$ . Symbol: XR: 36

DEHYDOL 25 Concentration  $\geq 2.50\%$  and  $< 10.00\%$ . Symbol: Xn R: 38-41-22

FORMALDEHYDE ... Concentration  $\geq 0.00\%$  and  $< 2.50\%$ . Symbol: T R: 23/24/25-34-40.C3-43

**Substances present at a concentration below the minimum danger threshold.**

No known substance in this category present.

**Other substances with occupational exposure limits.**

No known substance in this category present.

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### 3 - IDENTIFICATION OF HAZARDS

This product is not classed as flammable. Refer to the recommendations regarding the other products present on the site

Possibility of irritation to the eyes.

Possibility of skin sensitisation. The preparation may also irritate the skin and prolonged contact may aggravate this effect.

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### 4 - FIRST AID.

As a general rule, in case of doubt or if symptoms persist, always call a doctor.

NEVER induce swallowing in an unconscious person.

**In the event of splashes or contact with eyes.**

Wash thoroughly with soft, clean water for 15 minutes holding the eyelids open.

Refer the patient to an ophthalmologist, in particular if there is any redness, pain or visual impairment.

Regardless of the initial state, refer the patient to an ophthalmologist and show him the label.

**In the event of swallowing.**

In the event of swallowing, if the quantity is small (no more than one mouthful), rinse the mouth with water and consult a doctor.

Call a doctor immediately and show him the label.

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## 5 - FIRE-FIGHTING MEASURES

Not relevant.

### Special equipment for fire-fighting personnel.

Due to the toxicity of the gas emitted on thermal decomposition of the products, fire-fighting personnel are to be equipped with autonomous insulating breathing apparatus.

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## 6 - MEASURES TO BE TAKEN IN THE EVENT OF ACCIDENTAL SPILLAGE

### Safety precautions:

Avoid any contact with the skin and eyes.  
Consult the safety measures listed under headings 7 and 8.

### Environmental safety precautions:

Contain and control the leaks or spills with non-combustible absorbent materials such as sand, earth, vermiculite, diatom earth in drums for waste disposal.  
Prevent any material from entering drains or waterways.  
Use drums to dispose of waste recovered in accordance with applicable regulations (see heading 13).  
If the product contaminates waterways, rivers or drains, alert the relevant authorities in accordance with statutory procedures

### Cleaning methods:

Clean preferably with a detergent, do not use solvents.

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## 7 - HANDLING AND STORAGE

The regulations relating to storage premises apply to workshops where the product is handled.  
Anyone with a history of skin sensitisation must on no account handle such products

### Fire prevention:

Prevent access by unauthorised personnel.

### Recommended equipment and procedures

Observe precautions stated on label and also industrial safety regulations  
Avoid contact of product with the skin and eyes

### Prohibited equipment and procedures.

Smoking, eating and drinking are prohibited in premises where the preparation is used  
Never open the packages under pressure

### Storage.

Keep the container tightly closed in a dry place.

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## 8 - EXPOSURE CONTROL - PERSONAL SAFETY

Anyone with a history of skin sensitisation must on no account handle such products.

### Hand protection.

Protective creams may be used for exposed skin, but they should not be applied after contact with the product.  
In the event of prolonged or repeated contact with the hands, use appropriate gloves.

### Eye and face protection.

Avoid contact with eyes.

Wear safety goggles.

Provide eye washes in workshops where the product is constantly handled

### Skin protection.

For further information, see § 11 of S.D.S. - Toxicological information.

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## 9 - PHYSICAL PROPERTIES

Density:	1.270
Acid/base character of preparation:	neutral.
Solubility of preparation in water:	Soluble.
Vapour tension at 50°C of volatile constituents:	Below 110Kpa (1.10 bar).
Physical state:	fluid liquid
Flash point interval:	not relevant.
When a pH measure is possible, it has a value of:	2.0 to 6.0
Self-ignition temperature:	not specified.
Decomposition temperature:	not specified.
Melting temperature interval:	not specified.
Average distillation temperature of solvents contained:	100 °C.

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## 10 - STABILITY AND REACTIVITY

The preparation is stable at the handling and storage conditions recommended per § 7 of the safety data sheet,

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## 11 - TOXICOLOGICAL INFORMATION

No data is available regarding the preparation itself.

It is generally agreed that substances contained are likely to cause, when applied to the eye of an animal, the appearance of major lesions which persist for at least twenty-four hours

It is generally agreed that substances contained are likely to cause, among certain predisposed subjects, a sensitisation reaction by cutaneous route

For preparations with 1 constituent, formaldehyde is released during hardening.

For preparations with 2 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

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## 12 - ECOLOGICAL INFORMATION

No ecological data on the product itself is available.

The product must not be allowed to run into drains or waterways.

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## 13 - DISPOSAL CONSIDERATIONS

Do not pour into drains or waterways.

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## 14 - TRANSPORT INFORMATION

Exempt from transport classification and labelling.

Transport product in compliance with provisions of the ADR for road, RID for rail, IMDG for sea and ICAO/IATA for air transport

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## 15 - STATUTORY INFORMATION

This preparation was classified in compliance with the directive known as <All preparations> 88/379/EEC and its adaptations

In addition directive 98/98/EC with the 25° adaptation of directive 67/548/EC (Hazardous substances) have been taken into account.

### Preparation classification.

Irritant.



### Contains:

017-013-00-2 CALCIUM CHLORIDE  
605-001-00-5 FORMALDEHYDE ... %

### Particular hazards associated with the preparation and safety recommendations:

R 43	May cause sensitization by skin contact.
R 36	Irritating to eyes.
S 24	Avoid contact with skin.
S 37	Wear suitable gloves.
S 26	In case of contact with eyes, rinse immediately with plenty of water and seek medical advice.

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## 16 - OTHER INFORMATION

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

The product must not be used for any purposes other than those specified under heading 1 without first obtaining written handling 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