

CHRYSO®AMA 30 EL
A high efficiency early and late strength grinding aidactivator**SAFETY DATA SHEET**
(REACH regulation (EC) n° 1907/2006 - n° 453/2010)**1. IDENTIFICATION OF SUBSTANCE/PREPARATION AND COMPANY**

Substance/preparation
Trade name: **CHRYSO®AMA 30 EL**
Normal use: Cement additive

Company
CHRYSO Southern Africa (Pty) LTD
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Sharecall facility: 0861 CHRYSO

2. COMPOSITION/INFORMATION ON INGREDIENTS

Hazardous substances that are present independently from one another: no known substances within this category.

Substance	Concentration	CAS/ EINECS/EC index	Symbol	R-phrase
Triethanolamine	<20%	102-71-6/203-049-8/----	Xi	36-38

3. IDENTIFICATION OF HAZARDS**Inhalation**

CHRYSO®AMA 30 EL is not expected to present a significant hazard under the anticipated conditions for normal use..

Ingestion

CHRYSO®AMA 30 EL must not come into contact with food or be consumed because swallowing the product represents a health hazard and may create symptoms like abdominal pain and nausea.

Eyes

CHRYSO®AMA 30 EL will act as an irritant when it comes into contact with one's eyes and may cause redness, pain and blurred vision.

Skin

Repeated or prolonged contact with the skin will cause irritation.

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 persists, call a doctor. If breathing is irregular or has stopped, give mouth-to-mouth resuscitation and call a doctor. Do not give the patient anything orally.

Ingestion

With ingestion, wash out mouth thoroughly with fresh water, but do not induce vomiting. Seek medical advice. There is a possibility of acute, lethal and noxious effects, with symptoms of slight poisoning by swallowing. Administer medical charcoal and consult a doctor and show this material safety data sheet.

Eyes

If **CHRYSO®AMA 30 EL** is splashed in or has any contact with a person's eyes – hold the eyelids open and wash thoroughly with water. Regardless of the initial state, refer the patient to an ophthalmologist and supply this material safety data sheet.

Skin

Should **CHRYSO®AMA 30 EL** have any contact with the skin, wash the affected area with soap and water. Seek medical attention if irritation develops.

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This is not relevant as **CHRYSO®AMA 30 EL** is not flammable. However, toxic gas may be emitted on thermal decomposition and fire fighting personnel should be equipped with autonomous insulating breathing apparatus. 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). 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®AMA 30 EL** 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 clean preferably with a detergent, do not use solvents.

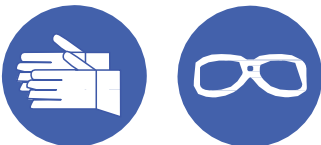
7. HANDLING AND STORAGE

The regulations that apply to the storage premises of **CHRYSO®AMA 30 EL** must apply to workshops where the product is handled.

CHRYSO®AMA 30 EL 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 eyes.

CHRYSO®AMA 30 EL 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**Respiratory protection**

No respiratory protection equipment is recommended under normal conditions of use with 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®AMA 30 EL** is constantly handled. See section 11 of the safety data sheet (toxicological information).

9. PHYSICAL AND CHEMICAL PROPERTIES

Physical state (@25°C):	liquid
Colour:	dark brown
Active ingredients:	aqueous solution containing amino organic derivatives and polyols
Specific gravity (@25°C):	> 1.0
pH (25°C):	7
Solubility of preparation in water:	dilutable

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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**Rat oral LD50**

1,1',1''-nitrotripropan-2-ol: 4 000 mg/kg

Rabbit dermal

1,1',1''-nitrotripropan-2-ol: 10 000 mg/kg

12. ECOLOGICAL INFORMATION**LC50 – 96 hour – fish**

1,1',1''-nitrotripropan-2-ol: > 100 mg/l

48 H – CE50 – Daphnia magna

1,1',1''-nitrotripropan-2-ol: > 500 mg/l

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, transportation of **CHRYSO®AMA 30 EL** must be in compliance with the provisions of ADR for road, RID for rail, IDMG for sea and the ICAO/IATA for air transport.

15. REGULATORY INFORMATION

This preparation was classified in compliance with the directive known as '*All preparations*' 88/379/EEC and its adaptations. In addition, directive 97/68/EC with the 23^o adaptation of directive 67/548/EC '*Hazardous substances*' has been taken into account.

Particular hazards associated with the preparation and safety recommendations:

R36: Irritating to eyes

R52/53: Harmful to aquatic organisms, may cause long term adverse effects in the aquatic environment.

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 06/05/2015

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®AMA 30 EL 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.