



Material safety data sheet

CHRYSO®AEM

Grinding aid –
 air entrainer for masonry cement



1. Identification of substance/preparation and company

Substance/preparation

Trade name: CHRYSO®AEM

Normal use: Grinding aid – air entrainer for masonry cement

Company

CHRYSO Southern Africa (Pty) LTD

Tel: +27(0)11 395 9700 | Fax: +27(0)11 397 6644

Website: www.chryso.com | Sharecall facility: 0861 CHRYSO

2. Composition/information on ingredients

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

Substances present at a concentration below the minimum danger threshold:

Substance name	Concentration	CAS/EINECS/EC Index	Symbol	R-phrase
Sodium Alpha Olefine	≥2,5% and <10%	007-010-00-4	Xi	36/38

Other substances representing a hazard: no known substances within this category.





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3. Identification of hazards

CHRYSO®AEM is not classed as hazardous to health by directive 88/379/EEC and is not flammable.

Inhalation

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

Ingestion

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

Eyes

CHRYSO®AEM will act as an irritant when it comes into contact with one's eyes.

Skin

Repeated or prolonged contact with the skin will cause irritation



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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.

Eyes

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

5. Fire fighting measures

This is not relevant as **CHRYSO®AEM** is not flammable. However, toxic gas may be emitted on thermal decomposition and fire fighting personnel should be equipped with autonomous insulating breathing apparatus. Water is an unsuitable extinguishing media.





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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 recovered in accordance with applicable regulations. If **CHRYSO®AEM** 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 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®AEM** must apply to workshops where the product is handled.

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





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8. Exposure control/personal safety



Exposure limits per INRS ND 1945-153-93 / (1996) and ND 2022-163-96: substances within this category are unknown.

Respiratory protection

Provide good ventilation in area where product is in use

Skin

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

Eyes

Avoid contact with eyes and use safety goggles. Supply eye washes in workshops where **CHRYSO® AEM** is constantly handled. For further information, see section 11 of this safety data sheet (toxicological information).



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9. Physical properties

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| • Physical state (20°C): | liquid |
| • Colour: | brown |
| • Active ingredients: | aqueous solution of modified hydroxylated amine and polyols. |
| • Chloride content: | <0,1% |
| • Alkali content: | <1,2% Na ₂ O |
| • Specific gravity (20°C): | 1,020 (±0,010) |
| • Acid/ base character of preparation: | neutral |
| • pH (20°C): | 9 to 12 |
| • Freezing point: | <-15°C |
| • Flash point: | >100°C (not flammable) |
| • Dry matter (solids content): | 56% |
| • Solubility of preparation in water: | dilutable |
| • Vapour tension at 50°C of volatile constituents: | below 110 kPa |

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.

On exposure to high temperatures, **CHRYSO® AEM** may decompose, releasing toxic gases like carbon monoxide and carbon dioxide.



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11. Toxicological information

CHRYSO®Cem AEM contains no substance classed as hazardous per directive 67/548/EEC. No data is available regarding the preparation itself.

12. Ecological information

No ecological data on this product itself is available.

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®AEM must be in compliance with the provisions of ADR for road, RID for rail, IDMG for sea and the ICAO/IATA for air transport.



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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.

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: 27/07/2011

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® AEM** 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.

