

Producer

CHRYSO SAS

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F-45300 SERMAISES DU LOIRET FRANCE

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In case of emergency : ORFILA : 01.45.42.59.59

1. IDENTIFICATION OF THE SUBSTANCE / PREPARATION AND OF THE COMPANY / UNDERTAKING

Identification of the product : Liquid.
Company identification : See producer.
Trade name : CHRYSO® BR.
Type of product : Concrete and mortar admixture.
Use : Industrial.

2. COMPOSITION / INFORMATION ON INGREDIENTS

- * Chemical nature : Aqueous solution containing surfactants.
- * This product is not considered to be hazardous but contains hazardous components.

Substance name	Contents	CAS No / EC No / Index No	Symbol(s)	R-Phrase(s)
<u>Coprah diethanolamide</u>	: < 5 %	8051-30-7 / 232-483-0 / -----	Xi	38-41
<u>Alkene sulphonate of sodium</u>	: < 5 %	68439-57-6 / 270-407-8 / -----	Xi	38-41

3. Hazards identification

Symptoms relating to use

- * - Inhalation : Not expected to present a significant inhalation hazard under anticipated conditions of normal use.
- * - Skin contact : Repeated or prolonged skin contact may cause irritation.
- * - Eye contact : Direct contact with the eyes is likely slightly irritating.
- Ingestion : Must not come into contact with food or be consumed. Swallowing a small quantity of this material presents some health hazard.

4. First aid measures

First aid measures

- * - Inhalation : Assure fresh air breathing. If you feel unwell, seek medical advice.
- Skin contact : Wash skin thoroughly with mild soap and water. Seek medical attention if irritation develops.
- * - Eye contact : Rinse immediately with plenty of water. Obtain medical attention if pain, blinking, tears or redness persist.
- * - Ingestion : Rinse mouth. DO NOT INDUCE VOMITING. Seek medical attention if ill effect develops.

5. Fire - fighting measures

- * - Suitable extinguishing media : Foam. Powder.
- Unsuitable extinguishing media : Water.
- Protection against fire : Wear proper protective equipment.
Do not enter fire area without proper protective equipment, including respiratory protection.
- Special procedures : Exercise caution when fighting any chemical fire.

6. Accidental release measures

- | | |
|---------------------------|---|
| Personal precautions | : Equip cleanup crew with proper protection. |
| Environmental precautions | : Prevent entry to sewers and public waters. Notify authorities if liquid enters sewers or public waters. |
| * Clean up methods | : Clean up any spills as soon as possible, using an absorbent material to collect it. Use suitable disposal containers. |

7. Handling and storage

- | | |
|----------|---|
| Storage | : Store in dry, well-ventilated area. Keep container closed when not in use. |
| Handling | : Ensure prompt removal from eyes, skin and clothing. Wash hands and other exposed areas with mild soap and water before eat, drink or smoke and when leaving work. |

8. Exposure controls / personal protection

Personal protection



- | | |
|--------------------------------|--|
| - Respiratory protection | : No special respiratory protection equipment is recommended under normal conditions of use with adequate ventilation. |
| * - Hand protection | : Wear suitable gloves resistant to chemical penetration of standard material nitrile. |
| * - Skin protection | : Wear long sleeves, clothes that covers well. |
| * - Eye protection | : Safety glasses. |
| - Ingestion | : When using, do not eat, drink or smoke. |
| Industrial hygiene | : Provide local exhaust or general room ventilation. |
| * Occupational Exposure Limits | : Non concerned. |

9. Physical and chemical properties

- | | |
|-------------------------|-------------------|
| Physical state at 20 °C | : Liquid. |
| Colour | : Yellow. |
| Odour | : Characteristic. |
| pH value | : 7 |
| Density | : 1 |
| Solubility in water | : Complete. |

10. Stability and reactivity

- | | |
|----------------------|---------------------------------|
| Hazardous reactions | : None under normal conditions. |
| Hazardous properties | : None under normal conditions. |

11. Toxicological information

- | | |
|-------------------------|---|
| * Rat oral LD50 [mg/kg] | : Alkene sodium sulphonate : > 2000 mg/kg.
Copa diethanolamide : > 2000 mg/kg. |
|-------------------------|---|

12. Ecological information

- | | |
|----------------------------|----------------------|
| LC50-96 Hour - fish [mg/l] | : No data available. |
|----------------------------|----------------------|

13. Disposal considerations

General : Avoid release to the environment. Comply with local regulations for disposal.
Dispose of this material and its container at hazardous or special waste collection point.

14. Transport information

General information : Not classified.

* - IMDG-Marine pollution : No.

15. Regulatory information

- Symbol(s) : None.

R Phrase(s) : None.

S Phrase(s) : None.

16. Other information

Text of R-Phrases in § 2 : R38 : Irritating to skin.
R41 : Risk of serious damage to eyes.

Recommended uses and restrictions : See technical data sheet for detailed information.

Further information : The modifications compared to the preceding version are announced by the sign * in front of the headings concerned.

Print date : 2/8/2006

The contents and format of this SDS are in accordance with EEC Commission Directive 2004/73EC

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