

Translation problem

Producer

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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®Fluid Optima 175.
Type of product : Concrete and mortar admixture.
Use : Industrial.

2. COMPOSITION / INFORMATION ON INGREDIENTS

* Chemical nature : *****

Substance name	Contents	CAS No / EC No / Index No	Symbol(s)	R-Phrase(s)
<u>2,2'-iminodiethanol</u>	: < 5 %	111-42-2 / 203-868-0 / 603-071-00-1	Xn	22-38-41-48/22
<u>N-alkyl"oléyl"N,N-bishydroxyéthylamine</u>	: < 1 %	13127-82-7 / 236-062-2 / -----	C N	22-34-50

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.
- * - 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 : 2,2-iminodiéthanol VME = 3 ppm = 15 mg.m-3.

9. Physical and chemical properties

- Physical state at 20 °C : Liquid.
- Colour : Off-white.
- Odour : Characteristic.
- pH value : 6
- Density : > 1
- Solubility in water : Good.

10. Stability and reactivity

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

11. Toxicological information

* Rat oral LD50 [mg/kg] : 2,2-iminodiéthanol : 770 -3540 mg/kg
* Rabbit dermal LD50 [mg/kg] : 2,2-iminodiéthanol : 13000 mg/kg

12. Ecological information

* LC50-96 Hour - fish [mg/l] : 2,2-iminodiéthanol : 250-301 mg/L.
* 48 H-CE50 - Daphnia magna [mg/l] : N-alkyl oléyl N,N-bishydroxyéthylamine : < 1 mg/L.
2,2-iminodiéthanol : 44-68 mg/L.

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 : R22 : Harmful if swallowed.
R34 : Causes burns.
R38 : Irritating to skin.
R41 : Risk of serious damage to eyes.
R48/22 : Harmful : danger of serious damage to health by prolonged exposure if swallowed.
R50 : Very toxic to aquatic organisms.
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 : 26/10/2005

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

SAFETY DATA SHEET	Page : 4
	Revised edition no : 2
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