



Xi : Irritant

Producer

CHRYSO SAS
7 rue de l'Europe
45300 SERMAISES DU LOIRET France
Tél. 00 33 2 38 34 58 00
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®Serenis.
Type of product : Concrete and mortar admixture.
Use : Industrial.

2. COMPOSITION / INFORMATION ON INGREDIENTS

Chemical nature : Solution containing hexylene glycol
This product is considered to be hazardous and contains hazardous components.

Substance name	Contents	CAS No / EC No / Index No	Symbol(s)	R-Phrase(s)
<u>2-methylpentane-2,4-diol</u>	: > 20 %	107-41-5 / 203-489-0 / 603-053-00-3	Xi	36/38
<u>Base Polyol</u>	: < 20 %	----- / ----- / -----	Xi	36

3. Hazards identification

Risk Phrases : Irritating to eyes and skin.
Symptoms relating to use
- Inhalation : Not expected to present a significant inhalation hazard under anticipated conditions of normal use.
- Skin contact : Skin irritant upon direct contact.
- Eye contact : Eye irritant upon direct contact. Redness, pain. Blurred vision.
- 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 product 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 : Eliminate quickly from the eyes, to clean the 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 : 2-methyl-2,4-pentanediol VLE (France, INRS) = 25 ppm = 125 mg.m-3.

9. Physical and chemical properties

- Physical state at 20 °C : Liquid.
- Colour : Colourless.
- Odour : Characteristic.
- pH value : 8 (50% eau)
- Density : < 1
- Solubility in water : Good.

10. Stability and reactivity

- Hazardous decomposition products : Thermal decomposition generates : Nitrogen oxides Nox Oxides of carbon (combustion)
- Hazardous reactions : None under normal conditions.
- Hazardous properties : None under normal conditions.
- Materials to avoid : Reducing agents. Strong oxidizers. Strong acids. Strong bases. Amines. Anhydrides acid

11. Toxicological information

Rat oral LD50 [mg/kg] : 2-methyl-2,4-pentanediol : 2000 mg/kg
Rabbit dermal LD50 [mg/kg] : 2-methyl-2,4-pentanediol : 2000 mg/kg

12. Ecological information

LC50-96 Hour - fish [mg/l] : 2-methyl-2,4-pentanediol > 1000 mg/L.
48 H-LC50 - Daphnia magna [mg/l] : 2-methyl-2,4-pentanediol > 1000 mg/L.
IC50 72h Algae [mg/l] : 2-methyl-2,4-pentanediol > 429 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) : Xi : Irritant.
R Phrase(s) : R36/38 : Irritating to eyes and skin.
S Phrase(s) : S24 : Avoid contact with skin.
S26 : In case of contact with eyes, rinse immediately with plenty of water and seek medical advice.
S35 : This material and its container must be disposed of in a safe way.
S36/37 : Wear suitable protective clothing and gloves.
S51 : Use only in well-ventilated areas.

16. Other information

Text of R-Phrases in § 2 : R36 : Irritating to eyes.
R36/38 : Irritating to eyes and skin.
Recommended uses and restrictions : See technical data sheet for detailed information.
Print date : 11 / 6 / 2008

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

DISCLAIMER OF LIABILITY The information in this SDS was obtained from sources which we believe are reliable. However, the information is provided without any warranty, express or implied, regarding its correctness. The conditions or methods of handling, storage, use or disposal of the product are beyond our control and may be beyond our knowledge. For this and other reasons, we do not assume responsibility and expressly disclaim liability for loss, damage or expense arising out of or in any way connected with the handling, storage, use or disposal of the product. This MSDS was prepared and is to be used only for this product. If the product is used as a component in another product, this MSDS information may not be applicable.

End of document