

<b>MATERIAL SAFETY DATA SHEET</b>	Page : 1
	Revision nr : 2
ref ISO : 123456	Date : 21/7/2003
<b>CHRYSO®Xel 650</b>	Supersedes : 28/4/2003
	<b>B0153</b> www.lisam.com



Irritant

### Producer

CHRYSO SAS  
7 rue de l'Europe - ZI  
F-45300 SERMAISES DU LOIRET FRANCE  
Tél. 00 33 2 38 34 58 00  
Antipoison Center - tel : ORFILA : 01.45.42.59.59

### 1. Identification of the product and the company

Identification of the product : Liquid.  
Company identification : See producer.  
Trade name : CHRYSO®Xel 650.  
Type of product : Concrete and mortar admixture.  
Use : Industrial.

### 2. Information on ingredients

This product is considered to be hazardous and contains hazardous components.

Substance name	Value(s)	CAS nr / EINECS nr / EC index	Symbol(s)	R-Phrase(s)
<u>Sodium rhodanide</u>	: < 5 %	000540-72-7 / 208-754-4 / -----	Xn	20/21/22-32
<u>Diéthanolamine en solution aqueuse à 20%</u>	: < 5 %	000111-42-2 / ----- / -----	Xn	22-48/22-38-41
<u>Formaldehyde</u>	: < 1 %	000050-00-0 / 200-001-8 / 605-001-00-5	T	23/24/25-34-40-43
<u>Methanol</u>	: < 1 %	000067-56-1 / 200-659-6 / 603-001-00-X	F T	11-23/24/25-39/23/24/25
<u>Sodium hydroxide</u>	: < 5 %	001310-73-2 / 215-185-5 / 011-002-00-6	C	35

### 3. Hazards identification

Risk Phrases : Irritating to eyes and skin.  
May cause sensitization by skin contact.

Symptoms relating to use

- Inhalation : Overexposure to vapours may result in : Headache. Cough.
- Skin contact : May cause skin to become dry or cracked.
- Eye contact : Blurred vision.
- Ingestion : Must not come into contact with food or be consumed. Swallowing a small quantity of this material presents some health hazard. Abdominal pain, nausea.

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#### 4. First aid measures

- First aid
- Inhalation : Assure fresh air breathing. Obtain medical attention if breathing difficulty persists.
  - 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 advice (show the label where possible).

#### 5. Fire - fighting measures

- Extinguishing media : Foam. Carbon dioxide.
- Protection against fire : 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.
- After spillage and/or leakage : 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 : Where exposure through inhalation may occur from use, approved respiratory protection equipment is recommended.
- Hand protection : Gloves.
- Skin protection : Wear suitable protective clothing.
- Eye protection : Chemical goggles or safety glasses.
- Ingestion : When using, do not eat, drink or smoke.
- Industrial hygiene : Provide local exhaust or general room ventilation.
- Occupational Exposure Limits : Diethanolamine VME = 3 ppm = 15 mg/m<sup>3</sup>.  
Formaldehyde VME = 0.5 ppm VLE = 1 ppm.  
Methanol VME = 200 ppm = 3600 mg.m<sup>-3</sup> VLE = 1000 ppm = 1300 mg.m<sup>-3</sup>.  
Sodium hydroxide VME = 2 mg/m<sup>3</sup>.

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### 9. Physical and chemical properties

Physical state	: Liquid.
Colour	: Yellow to amber.
Odour	: Characteristic.
pH value	: 6
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]	: Formaldehyde : > 800 mg/kg. Sodium hydroxide : 2000 mg/kg. Sodium rhodanide : 1500 mg/kg.
Rabbit dermal LD50 [mg/kg]	: Formaldehyde : 270 mg/kg.

### 12. Ecological information

LC50-96 Hour - fish [mg/l]	: Formaldehyde : 25 - 100 mg/L. Sodium hydroxide : 189 mg/L. Sodium rhodanide : > 100 mg/L.
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### 13. Disposal considerations

Disposal	: Dispose of this material and its container at hazardous or special waste collection point. Dispose in a safe manner in accordance with local/national regulations. Avoid release to the environment.
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### 14. Transport information

General information	: Not classified.
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### 15. Regulatory information

Symbol(s)	: Irritant.
R Phrase(s)	: R36/38 - Irritating to eyes and skin. R43 - May cause sensitization by skin contact.
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. S37 - Wear suitable gloves.
Warning	: Table of the occupational diseases : : n°43, 49 et 49 bis.
Safety advises	: Special medical observation : concerned by the decree of 1977.07.11 : amino derived compounds of hydrocarbon and its derived compounds.

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## 16. Other information

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

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The contents and format of this MSDS are in accordance with EEC Commission Directive 2001/58/EC.

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