

MATERIAL SAFETY DATA SHEET

Product name : **CL-422**

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Date: 07/04/2006

1 IDENTIFICATION OF THE SUBSTANCE

Commercial tradename : **Crosslinker CL-422**

Application : Polifunctional aziridine
Crosslinker.

Manufacturer : **MENADIONA, S.L.**
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2 CHEMICAL CHARACTERISATION

Chemical name : Polyfunctional aziridine crosslinker.

Synonym : CL-422 Crosslinker

CAS Number : [52234-82-9]

EC number (EINECS) : 489924

Composition / information on ingredients:

Concentration	Material	CAS number	R- phrases
> 99%	Polyfunctional aziridine crosslinker	[52234-82-9]	R41

3 HAZARDS IDENTIFICATION

Corrosive to the eye.

May cause severe eye injury.

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4 FIRST AID MEASURES

- Inhalation : Remove patient from exposure .Obtain medical attention
- Eye contact : Immediately irrigate with clean water, holding the eyelids apart, for at least 15 minutes. Obtain medical attention.
- Skin contact : Remove contaminated clothing and wash affected skin with soap and water.
Obtain medical attention.
- Ingestion : In case of ingestion, induce vomiting. Obtain medical attention.

5 FIRE FIGHTING MEASURES

- Extinguishing media : Powder or foam.
- Special fire fighting procedures : Wear self-contained positive breathing apparatus (SCBA) and complete personal protective equipment. Remove all ignition sources. Use a water spray to cool fire- exposed containers.
- Special exposure hazards : Closed containers may rupture when exposed to extreme heat..

6 ACCIDENTAL RELEASE MEASURES

- Personal precautions: : Use during all cleaning operations suitable protection equipment: (plastic or rubber gloves, goggles and dust mask).
- Methods for cleaning: : Absorb spillages in sand, earth or any suitable absorbent material. Transfer to a container for disposal.
Small spillages: Flash with water, react with ammonium thiosulfate, flush again with water.
- Environmental precautions : Do not release to the environment.
If substance has entered a water course or sewer or been split on soil or vegetation, advise police.

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7 HANDLING AND STORAGE

- Handling : Use nitrile rubber gloves, chemical goggles or splash shield.
Avoid contact with skin and eyes.
- Storage: : Keep away from heat. Segregate from acids and oxidizers
Keep container tightly closed.
Store in cool dry place.
Safety shower and eyewash facilities must be immediately available
:

8 EXPOSURE CONTROLS/PERSONAL PROTECTION

- Exposition of control : Use only in well-ventilated areas.
Do not breathe vapour/spray.
Discard contaminated shoes.
Wash hands with soap and water.

- Personal protection: :
- Respiratory protection: : Yes (in spray mists)
 - Hand protection : Yes.
 - Eye protection : Yes.
 - Skin protection : Yes (all the body)

9 PHYSICAL AND CHEMICAL PROPERTIES

- Appearance : Clear amber liquid
- Molecular formula : $C_{21}H_{35}N_3O_6$
- Molecular Weight : 425.24
- Density : Between 1.085 and 1.115 g/ml at 25°C
- Solubility : 6.5% in water. Miscible with acetone, methanol, chloroform and benzene.
- Viscosity : Between 125 and 500 mPa.s at 25°C

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10 STABILITY AND REACTIVITY

Stability : Material in itself is normally stable.

Conditions to avoid : Temperatures above 50°C

Material to avoid : No

Hazardous decomposition : Combustion may produce NO_x and carbon monoxide products

11 TOXICOLOGICAL INFORMATION

Exposition via

Inhalation: yes Cutaneous: yes Ingestion: No

Toxicity:

Oral LD₅₀: 2000 mg/kg (1)

Cutaneous LD₅₀: >3000 mg/kg (2)

(1) Low toxicity.

(2) Low toxicity for absorption. May cause mild skin irritation and sensitisation.

May cause severe irritation eyes.

12 ECOLOGICAL INFORMATION

No specific information.

13 DISPOSAL CONSIDERATIONS

Dispose in accordance with local and state regulations.

14 TRANSPORT INFORMATION

Not classified as hazardous for transport.

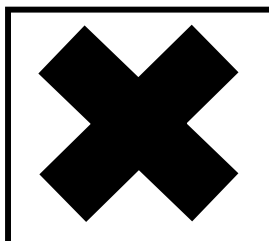
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15 REGULATORY INFORMATION

Classification : Xn. Harmful.



Phrases R : R41 Risk of serious damage to eye.

Phrases S : S24/25 Avoid contact with skin and eye.

S36 Wear suitable protective clothing.

16 OTHER INFORMATION

The information contained herein is applicable solely to the chemical substance when used in manufacturing and does not relate to other use of the substance described.

Its use is intended for persons having technical skill and their own discretion and risk.

The information has been developed from sources considered reliable, but has not been independently verified. Therefore, the manufacturer cannot guarantee the accuracy of the information from these sources nor should the statements contained herein be considered an official expression

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Indicate variations with regard to the previous version.

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