



**SAFETY DATA SHEET**  
**Loxreal 83-21**

**SECTION 1: IDENTIFICATION OF THE SUBSTANCE/MIXTURE AND OF THE COMPANY/UNDERTAKING**

**1.1. Product identifier**

Product name Loxreal 83-21

**1.2. Relevant identified uses of the substance or mixture and uses advised against**

Identified uses Adhesive. Sealant.

**1.3. Details of the supplier of the safety data sheet**

Supplier Loxreal s.r.l.  
Via Marconato 2  
Cesano Maderno  
20811 (MB)  
Italia  
Tel: +39 0362 529 301  
Fax +39 0362 524 225

**1.4. Emergency telephone number**

Italia +39 0362 529 302

**SECTION 2: HAZARDS IDENTIFICATION**

**2.1. Classification of the substance or mixture**

**Classification (EC 1272/2008)**

Physical and Chemical Hazards	Not classified.
Human health	Skin Irrit. 2 - H315; Eye Irrit. 2 - H319; Skin Sens. 1 - H317; STOT SE 3 - H335
Environment	Not classified.

**Classification (1999/45/EEC)** Xi; R36/37/38. R43.

The Full Text for all R-Phrases and Hazard Statements are Displayed in Section 16.

**2.2. Label elements**

Contains 2-HYDROXYETHYL METHACRYLATE

Label In Accordance With (EC) No. 1272/2008



Signal Word Warning

**Hazard Statements**

H315	Causes skin irritation.
H317	May cause an allergic skin reaction.
H319	Causes serious eye irritation.
H335	May cause respiratory irritation.

**Precautionary Statements**

P280	Wear protective gloves/protective clothing/eye protection/face protection.
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P305+351+338

IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.

P313

Get medical advice/attention.

P501

Dispose of contents/container in accordance with existing Community, National and local regulations.

### Supplementary Precautionary Statements

P271

Use only outdoors or in a well-ventilated area.

P272

Contaminated work clothing should not be allowed out of the workplace.

P261

Avoid breathing vapour/spray.

P264

Wash contaminated skin thoroughly after handling.

P321

Specific treatment (see medical advice on this label).

P302+352

IF ON SKIN: Wash with plenty of soap and water.

P304+340

IF INHALED: Remove victim to fresh air and keep at rest in a position comfortable for breathing.

P312

Call a POISON CENTER or doctor/physician if you feel unwell.

P332+313

If skin irritation occurs: Get medical advice/attention.

P333+313

If skin irritation or rash occurs: Get medical advice/attention.

P337

If eye irritation persists:

P362

Take off contaminated clothing and wash before reuse.

P363

Wash contaminated clothing before reuse.

P403+233

Store in a well-ventilated place. Keep container tightly closed.

P405

Store locked up.

### 2.3. Other hazards

None under normal conditions.

## SECTION 3: COMPOSITION/INFORMATION ON INGREDIENTS

### 3.2. Mixtures

<b>2-HYDROXYETHYL METHACRYLATE</b>		<b>10-30%</b>
<b>CAS-No.: 868-77-9</b>	<b>EC No.: 212-782-2</b>	
Classification (EC 1272/2008) Skin Irrit. 2 - H315 Eye Irrit. 2 - H319 Skin Sens. 1 - H317	Classification (67/548/EEC) R43 Xi;R36/38	
<b>ACRYLIC ACID</b>		<b>1-5%</b>
<b>CAS-No.: 79-10-7</b>	<b>EC No.: 201-177-9</b>	
Classification (EC 1272/2008) Flam. Liq. 3 - H226 Acute Tox. 4 - H302 Acute Tox. 4 - H312 Acute Tox. 4 - H332 Skin Corr. 1A - H314 STOT SE 3 - H335 Aquatic Acute 1 - H400	Classification (67/548/EEC) R10 C;R35 Xn;R20/21/22 N;R50	

<b>CUMENE HYDROPEROXIDE</b>		<b>1-5%</b>
<b>CAS-No.: 80-15-9</b>	<b>EC No.: 201-254-7</b>	
Classification (EC 1272/2008)	Classification (67/548/EEC)	
Org. Perox. E - H242	O;R7	
Acute Tox. 4 - H302	T;R23	
Acute Tox. 4 - H312	C;R34	
Acute Tox. 3 - H331	Xn;R21/22,R48/20/22	
Skin Corr. 1B - H314	N;R51/53	
STOT SE 3 - H335		
STOT RE 2 - H373		
Aquatic Chronic 2 - H411		

The Full Text for all R-Phrases and Hazard Statements are Displayed in Section 16.

## SECTION 4: FIRST AID MEASURES

### 4.1. Description of first aid measures

#### **Inhalation**

Move the exposed person to fresh air. Get medical attention if any discomfort continues.

#### **Ingestion**

Rinse mouth thoroughly. Drink plenty of water. Do not induce vomiting. Get medical attention.

#### **Skin contact**

Wash skin with soap and water. If symptoms develop, obtain medical attention

#### **Eye contact**

Make sure to remove any contact lenses from the eyes before rinsing. Promptly wash eyes with plenty of water while lifting the eye lids.

Continue to rinse for at least 15 minutes. Get medical attention if any discomfort continues.

### 4.2. Most important symptoms and effects, both acute and delayed

#### **Skin contact**

Skin irritation. Mild dermatitis, allergic skin rash.

#### **Eye contact**

Irritating and may cause redness and pain.

### 4.3. Indication of any immediate medical attention and special treatment needed

No specific first aid measures noted. Treat Symptomatically.

## SECTION 5: FIREFIGHTING MEASURES

### 5.1. Extinguishing media

#### **Extinguishing media**

Foam, carbon dioxide or dry powder.

#### **Unsuitable extinguishing media**

Water.

### 5.2. Special hazards arising from the substance or mixture

#### **Hazardous combustion products**

Burning produces irritating, toxic and obnoxious fumes. Carbon monoxide, carbon dioxide, and unknown hydrocarbons.

### 5.3. Advice for firefighters

#### **Protective equipment for fire-fighters**

Self contained breathing apparatus and full protective clothing must be worn in case of fire.

## SECTION 6: ACCIDENTAL RELEASE MEASURES

### 6.1. Personal precautions, protective equipment and emergency procedures

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Wear protective clothing as described in Section 8 of this safety data sheet.

### 6.2. Environmental precautions

Not relevant considering the small amounts used. Avoid discharge into drains.

### 6.3. Methods and material for containment and cleaning up

Absorb with sand or other inert absorbent. Transfer to a container for disposal.

### 6.4. Reference to other sections

For personal protection, see section 8. For waste disposal, see section 13.

## SECTION 7: HANDLING AND STORAGE

### 7.1. Precautions for safe handling

Avoid contact with skin and eyes. Avoid eating, drinking and smoking when using the product.

### 7.2. Conditions for safe storage, including any incompatibilities

Store in closed original container at temperatures between 5°C and 25°C. Never return unused material to storage receptacle.

### 7.3. Specific end use(s)

#### Usage Description

Adhesive. Sealant.

## SECTION 8: EXPOSURE CONTROLS/PERSONAL PROTECTION

### 8.1. Control parameters

Name	STD	TWA - 8 Hrs		STEL - 15 Min		Notes
ETHANEDIOL	WEL		10 mg/m <sup>3</sup>		104 mg/m <sup>3</sup>	Sk

WEL = Workplace Exposure Limit.

Sk = Can be absorbed through skin.

### 8.2. Exposure controls

#### Protective equipment



#### Engineering measures

Provide adequate ventilation. Observe Occupational Exposure Limits and minimise the risk of inhalation of vapours.

#### Respiratory equipment

No specific recommendation made, but respiratory protection may still be required under exceptional circumstances when excessive air contamination exists.

#### Hand protection

Nitrile rubber or Viton™ gloves are recommended. Cotton or other absorbent gloves should not be worn. Gloves should conform to EN 374.

#### Eye protection

Use approved safety goggles or face shield. Personal eye protection should conform to EN 166

#### Other Protection

Employee must wear appropriate protective clothing and equipment to prevent any possibility of skin contact with this substance.

#### Hygiene measures

Wash hands at the end of each work shift and before eating, smoking and using the toilet. When using do not eat, drink or smoke.

## SECTION 9: PHYSICAL AND CHEMICAL PROPERTIES

### 9.1. Information on basic physical and chemical properties

## Loxeal 83-21

<b>Appearance</b>	Liquid
<b>Colour</b>	Green.
<b>Odour</b>	Slightly pungent odour.
<b>Solubility</b>	Slightly soluble in water. Miscible with: Acetone
<b>Initial boiling point and boiling range (°C)</b>	
Not applicable.	
<b>Melting point (°C)</b>	
Not available.	
<b>Relative density</b>	1.1
<b>Vapour density (air=1)</b>	
Not available.	
<b>Vapour pressure</b>	
Not available.	
<b>Evaporation rate</b>	
Not available.	
<b>pH-Value, Conc. Solution</b>	
Not relevant	
<b>Viscosity</b>	400 - 600 mPa.s
<b>Decomposition temperature (°C)</b>	
Not available.	
<b>Odour Threshold, Lower</b>	
Not available.	
<b>Flash point (°C)</b>	>100°C
<b>Auto Ignition Temperature (°C)</b>	
Not available.	
<b>Flammability Limit - Lower(%)</b>	
Not available.	
<b>Flammability Limit - Upper(%)</b>	
Not available.	
<b>Oxidising properties</b>	
Not available.	

### 9.2. Other information

Not relevant

## SECTION 10: STABILITY AND REACTIVITY

### 10.1. Reactivity

Reaction with: Strong oxidising agents.

### 10.2. Chemical stability

Stable under normal temperature conditions.

### 10.3. Possibility of hazardous reactions

No specific reactivity hazards associated with this product.

### 10.4. Conditions to avoid

Avoid the absence of air, and metal contamination.

### 10.5. Incompatible materials

#### **Materials To Avoid**

Metals and their salts, Reducing agents, Oxidizers, Free radical initiators.

### 10.6. Hazardous decomposition products

Thermal decomposition could produce carbon monoxide, carbon dioxide, and unidentified organic compounds.

## SECTION 11: TOXICOLOGICAL INFORMATION

### 11.1. Information on toxicological effects

#### **Toxicological information**

The toxicological properties of this product have not been fully evaluated. Use of good industrial hygiene practices is required. Avoid direct contact with skin or eyes. Do not ingest or inhale.

#### **Skin Corrosion/Irritation:**

Irritating to skin.

#### **Serious eye damage/irritation:**

Risk of serious damage to eyes.

#### **Respiratory or skin sensitisation:**

May cause sensitisation by skin contact.

#### **Aspiration hazard:**

None under normal conditions.

## **SECTION 12: ECOLOGICAL INFORMATION**

#### **Ecotoxicity**

The product contains a substance which is harmful to aquatic organisms and which may cause long term adverse effects in the aquatic environment.

#### **12.1. Toxicity**

No data available.

#### **12.2. Persistence and degradability**

No data available.

#### **12.3. Bioaccumulative potential**

##### **Bioaccumulative potential**

No data available on bioaccumulation.

#### **12.4. Mobility in soil**

##### **Mobility:**

No data available.

#### **12.5. Results of PBT and vPvB assessment**

This product does not contain any PBT or vPvB substances.

#### **12.6. Other adverse effects**

None known.

## **SECTION 13: DISPOSAL CONSIDERATIONS**

#### **General information**

Waste disposal should be in accordance with existing Community, National and local regulations Empty containers may contain product residue; follow SDS and label warnings even after they have been emptied.

#### **13.1. Waste treatment methods**

Do not empty into drains, dispose of this material and its container at hazardous or special waste collection point.

##### **Waste Class**

08 04 09\* waste adhesives and sealants containing organic solvents or other dangerous substances

## **SECTION 14: TRANSPORT INFORMATION**

#### **General**

The product is not classified as dangerous for carriage.

#### **14.1. UN number**

Not applicable.

**14.2. UN proper shipping name**

Not applicable.

**14.3. Transport hazard class(es)**

Not applicable.

**14.4. Packing group**

Not applicable.

**14.5. Environmental hazards**

Environmentally Hazardous Substance/Marine Pollutant

No.

**14.6. Special precautions for user**

Not applicable.

**14.7. Transport in bulk according to Annex II of MARPOL73/78 and the IBC Code**

Not applicable.

**SECTION 15: REGULATORY INFORMATION****15.1. Safety, health and environmental regulations/legislation specific for the substance or mixture****Statutory Instruments**

The Chemicals (Hazard Information and Packaging for Supply) Regulations 2009 (S.I 2009 No. 716).

**Approved Code Of Practice**

Classification and Labelling of Substances and Preparations Dangerous for Supply. Safety Data Sheets for Substances and Preparations.

**Guidance Notes**

Workplace Exposure Limits EH40. CHIP for everyone HSG(108).

**EU Legislation**

Regulation (EC) No 1272/2008 of the European Parliament and of the Council of 16 December 2008 on classification, labelling and packaging of substances and mixtures, amending and repealing Directives 67/548/EEC and 1999/45/EC, and amending Regulation (EC) No 1907/2006 with amendments.

**15.2. Chemical Safety Assessment**

No chemical safety assessment has been carried out.

**SECTION 16: OTHER INFORMATION**

Revision Date	04/08/2014
Revision	3
Supersedes date	16/03/2012

## Loxeal 83-21

### Risk Phrases In Full

R34	Causes burns.
R35	Causes severe burns.
R10	Flammable.
R20/21/22	Harmful by inhalation, in contact with skin and if swallowed.
R21/22	Harmful in contact with skin and if swallowed.
R48/20/22	Harmful: danger of serious damage to health by prolonged exposure through inhalation and if swallowed.
R36/38	Irritating to eyes and skin.
R36/37/38	Irritating to eyes, respiratory system and skin.
R37	Irritating to respiratory system.
R7	May cause fire.
R43	May cause sensitisation by skin contact.
R23	Toxic by inhalation.
R51/53	Toxic to aquatic organisms, may cause long-term adverse effects in the aquatic environment.
R50	Very toxic to aquatic organisms.

### Hazard Statements In Full

H226	Flammable liquid and vapour.
H242	Heating may cause a fire.
H302	Harmful if swallowed.
H312	Harmful in contact with skin.
H314	Causes severe skin burns and eye damage.
H315	Causes skin irritation.
H317	May cause an allergic skin reaction.
H319	Causes serious eye irritation.
H331	Toxic if inhaled.
H332	Harmful if inhaled.
H335	May cause respiratory irritation.
H373	May cause damage to organs <<Organs>> through prolonged or repeated exposure.
H400	Very toxic to aquatic life.
H411	Toxic to aquatic life with long lasting effects.