

MATERIAL SAFETY DATA SHEET
According to 91/155 EC

Print date 30-05-2005

1.1 PRODUCT

Trade name : LOXEAL 15-36 / 15-36BS / 15-45 / 18-10 / 18-20 / 18-51 / 23-18 / 26-18 / 28-10 / 52-03 /
53-23 / 55-04 / 55-14 / 55-16 / 55-37 / 55-38 / 55-80 / 56-03 / 56-14 / 58-14 / 70-11 /
70-14 / 81-50 / 81-58 / 82-21 / 82-23 / 83-54 / 83-55 / 85-55 / 85-56 / 85-58 / 86-53 / 86-54 /
86-55 / 86-58 / 86-92 / 87-58 / 88-30 / 89-51

Technical name : anaerobic adhesive and sealant
Chemical name : methacrylate esters composition

1.2 COMPANY

LOXEAL srl Via Marconato, 2 - 20031 Cesano Maderno - Tel.+390362553930 Fax +390362553308

2. COMPOSITION/INFORMATION ON INGREDIENTS

Hazardous Ingredients		%	Classification	
			Symbol	Risk Phrases
methacrylate esters	UE N.607-134.00.4	> 10	Xi	R36/37/38
hydroxypropylmethacrylate	CAS 27813-02-1	1 - <20	Xi	R36, R43
EINECS 248-666-3				
Hydroxyethylmethacrylate	CAS 868-77-9	1 - <20	Xi	R36/38, R43
EINECS 212-782-2				
Cumene hydroperoxide	CAS 80-15-9	1	O, T, N	R7, R21/22, R23, R34
EINECS 201-254-7				R48/20/22, R51/53

3. THE MAIN HAZARD

Irritating to eyes, respiratory system and skin, may cause sensitisation by skin contact.

4. FIRST AID PROCEDURES

Product on skin : immediately wash with water and soap. Remove contaminated clothing and wash before re-use. In case irritation persists consult a doctor.
Product on eyes : immediately flush the eye with plenty of water for at least 15 minutes, holding eye open. Obtain medical attention urgently.
Product ingested : wash out mouth with water and give cold water or milk. Obtain medical attention.
Product inhaled : expose to fresh air.

5. FIRE PROTECTION

Extinguishing media : foam, dry chemical, carbon dioxide, water spray jet.
Special extinguishing procedures : wear self-contained breathing apparatus. Formation of toxic gases .
Explosion and firing hazard : keep containers cool with water spray.

6. SPILLAGE

Wear protective equipment, ensure adequate ventilation, do not convey to sewage. Adsorb spills using earth or sand and collect for disposal according to regulations.

7. HANDLING AND STORAGE

Handling : avoid contact with skin and eyes, use in well ventilated area.
Storage precautions : store below 28°C, protect from heat and direct sunlight.

8. EXPOSURE CONTROL/PERSONAL PROTECTION

GENERAL PROTECTIVE MEASURES

Do not inhale vapours. Avoid contact with eyes and skin.
Store work clothing separately. Remove soiled or soaked clothing immediately. Follow the usual good standards of occupational hygiene, Use skin protective preparation as preventive skin protection.

HAND PROTECTION

Butyl rubber gloves (0,7 mm), Breakthrough time 300 min (EN 374), other advisable gloves PE or nitrile.
Frequently in practice there are differing conditions. So the given considerations can only be an aid to orientation for the selection of a suitable chemical protection glove. Particularly they do not compensate for suitability tests by the end user.
Gloves should be replaced regularly, especially after extended contact with the product. For each work-place a suitable glove type has to be selected.

EYE PROTECTION

Tightly fitting goggles

9. PHYSICAL AND CHEMICAL DATA

Odour : slightly pungent smell
Change of physical state : polymerisation over 100°C
Flash point (COC/DIN/ISO 2592) : more than 100°C
Explosion limits : N.A.
Auto ignition temperature : more than 380°C
Vapour pressure (20°C) DIN 51616 : < 0.5 mbar
Viscosity (Brookfield) (25°C) : from 10 to 100.000 mPa.s
Water solubility (20°C) : not soluble
pH - value : 4 - 6
Density (20°C) DIN 51757 : 1.0 - 1.1 g/ml

Print date 01-03-2005

10. STABILITY AND REACTIVITY

Product is stable at normal conditions of storage and use.
 Conditions to avoid : heating over 100°C - Exposure to direct sunlight.
 Materials to avoid : strong oxidising agents, metals/rust, strong acids.
 Hazardous decomposition products : burning produces carbon oxide and toxic fumes.

11. HEALTH HAZARD INFORMATION

Acute Toxicity : LD 50 oral > 5000 mg/kg (rat) for analogy with similar product
 Skin : irritant.
 Eyes : irritant.
 Sensitisation : possible by skin contact
 Inhalation : may irritate the respiratory system

12. ENVIRONMENTAL DATA

Do not convoy in water discharges.
 Hazard class for water: WGK 1 (self classification): slightly hazardous for water.

13. DISPOSAL

In accordance with local regulations. European Waste nr. 08 04 00 wastes from MFSU of adhesives and sealants

14. TRANSPORT INFORMATION

Nr. UN = None		
Way	Class	Label
Road - Rail	ADR/RID: ---	---
Sea	IMO/IMDG: ---	---
Air	ICAO/IATA: ---	---

Not classified. Labelling not required.

15. LABELLING INFORMATION

Labelling as EC regulations in force:
 Hazard symbol St. Andrew's Cross - Xi=irritating.
 Contains: Hydroxypropyl- Hydroxyethylmethacrylate
 Risk and safety phrases:
 R 36/37/38 Irritating to eyes, respiratory system and skin
 R43 May cause sensitisation by skin contact.
 S24/25 Evitare il contatto con gli occhi e la pelle.
 S 26 In case of contact with eyes, rinse immediately with plenty of water and seek medical advice.
 S 28 After contact with skin wash immediately with plenty of water and soap.
 S 37/39 Wear suitable gloves and eye/face protection.

16. ADDITIONAL INFORMATION

The information contained herein is based on our present state of knowledge and experience, and according to EC Regulations and other related: 91/155(2001/58), 67/548(2001/59), 1999/45(2001/60), 91/689(2001/118), 89/542, ADR 2005, IMDG-Code 46° edition, IATA-DRG 2004.

Relevant R-Phrases

21/22	Harmful in contact with skin and if swallowed
23	Toxic by inhalation
34	Causes burns
36	Irritating to eyes
36/37/38	Irritating to eyes, respiratory system and skin
36/38	Irritating to eyes and skin
43	May cause sensitization by skin contact
48/20/22	Harmful, danger of serious damage to health by prolonged exposure through inhalation and if swallowed
51/53	Toxic to aquatic organisms, may cause long term adverse effects in the aquatic environment
7	May cause fire