

Revision Date: 2014/09/01
Revision: 01
Supersedes Date: -



MATERIAL SAFETY DATASHEET MULAX UNDERWATER REPAIR UW BASE

1. Identification of Substance/ Preparation and Company

Product Name: **MULAX UNDERWATER REPAIR UW BASE**
Product Code: MUL11801
Company: Riga 3, 2993 LW, Barendrecht, The Netherlands
Chemical Name & Synonyms: Aliphatic polyamine hardener blend with inert fillers
For Information: Call on +31 (0)180-641777 (9am to 5pm)
In an Emergency: As Above

2. Hazards Identification

Irritating to eyes and skin. May cause sensitization by skin contact. Toxic to aquatic organisms, may cause long term adverse effects in the aquatic environment.

Signs and Symptoms of Exposure (Acute Effects)

In contact with skin and eyes causes irritation. Can lead to sensitization

Signs and Symptoms of Exposure (Possible long term effects)

Soreness. Red Skin. Rash. May cause sensitization.

3. Composition/ Information on Ingredients

Hazardous Components	Cas Number	Percentage	Classification
Bisphenol A/ F Epoxy resin	25068-38-6/ 28064-14-4	20-40%	Xi; R36/38-43-51/53

4. First Aid Measures

Summon immediate medical assistance after contact with skin, eyes, inhalation or ingestion

Eye: Immediately flush eyes with plenty of running water for at least 15 minutes. If irritation persists seek medical advice

Skin: Remove contaminated clothing immediately. Wash affected area with soap and water. If irritation persists seek medical attention.

Ingestion: Do not induce vomiting. Rinse mouth and drink plenty of water. Seek medical attention

Inhalation: Remove person to fresh air.

FIRST AIDERS SHOULD PROTECT THEMSELVES FROM EXPOSURE (Ref SECTION 8)

5. Fire Fighting Measures

Extinguishing Media: Water sprays, Dry powder, CO2 or Alcohol foam

Exposure Hazards: In case of fire, aside from the major combustion products Carbon Monoxide and Carbon Dioxide, other harmful gases and vapours maybe formed.

Fire Fighting Equipment: Wear Self contained breathing apparatus, rubber boots, gloves and body suit

6. Accidental Release Measures

Avoid skin and eye contact. Prevent from entering sewer system, surface water or soil. For large amounts dike spilled product with liquid absorbing material and pump off. For small spills soak up and transfer to a suitable container. Wash area with water.

Refer to section 5, 8 and 13 for protective Measures and Disposal.

7. Handling and Storage

Store in a cool dry area between 10C and 30C, away from direct sunlight, heat and sources of ignition – no smoking. Use in well ventilated area. Wash hands after contact.

8. Exposure Controls/ Personal Protection

OCCUPATIONAL EXPOSURE LIMITS

Respiratory: Not required during normal use

Ingestion: Not during normal use

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Skin Protection: Protective clothing should be worn to avoid skin contact, PVC or Rubber gloves
Eye Protection: Safety Goggles

9. Physical/ Chemical Properties

Appearance:	Grey Paste	Odour:	Weak
Viscosity:	Thick Paste	Specific Gravity:	2.7g/cm ³ at 20C
Boiling Point/ Range:	170C	Flammability:	Will burn if involved in a fire
Flash Point:	>150C	Melting Point:	N/A
Auto Flammability:	Above boiling point	Explosive Properties:	None
Oxidising Properties:	None	Vapour Pressure:	N/A
Evaporation Rate:	N/A	Solubility:	Insoluble in water/ Soluble in with organic solvents
PH:	Neutral	Partition Coefficient:	No Data
Di Electric Strength:	No Data		

10. Stability and Reactivity

Stability: Stable
Materials to Avoid: May react under considerable heat build up with amines and mercaptans. Acids
Hazardous Decomposition: None
Hazardous Polymerisations: None

11. Toxicological Information

Oral: LD 50 (rat) (95% in Acetone) 11.4g/kg
Inhalation: Not during normal use
Eye: Severe irritation
Skin: Irritant. May cause sensitisation

12. Ecological Information

Toxic to aquatic organisms, may cause long term adverse effects in the aquatic environment.

13. Disposal Considerations

Dispose of in accordance with local regulations

14. Transport Information

UN No: 3077 **Class:** 9 **P.G.:** III **Technical Name:** Environmentally hazardous substance, solid, N.O.S. (epoxy resin)

15. Regulatory Information

Labeling:	Irritant (Xi), Dangerous for the environment (N)	
R Phrases	(R36/38) (R43) (R51/53)	Irritating to eyes and skin May cause sensitization by skin contact Toxic to aquatic organisms, may cause long term adverse effects in the aquatic environment
S Phrases	(S2) (S24/25) (S28) (S36/37/39) (S46) (S61)	Keep out of reach of children Avoid contact with skin and eyes After contact with skin wash immediately with plenty of soap and water Wear suitable protective clothing, gloves and eye/face protection If swallowed seek medical advice immediately and show this document or product label Avoid release to the environment.
Precautionary phrase	(P5)	Contains epoxy constituents

Regulations: All components of this product are listed on the TSCA Inventory or are exempt from listing

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16. Other Information

Risk phrases used in section 3 and not previously mentioned:

R38 Irritating to skin

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