

Revision Date: 2014/09/01  
Revision: 01  
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## MATERIAL SAFETY DATASHEET MULAX BRONZE PUTTY BR BASE

### 1. Identification of Substance/ Preparation and Company

Product Name: **MULAX BRONZE PUTTY BR BASE**  
Product Code: MUL10261  
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

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

<b>Labeling:</b>	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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