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**MATERIAL SAFETY DATA SHEET****NEOTEX® S.A.**

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**Product** EPOXOL® SPECIAL PUTTY - COMPONENT A**Version** 1.00 ENG**Date revised:**01/07/2005

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**1. IDENTIFICATION OF THE PREPARATION AND COMPANY**

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**1.1 Identification of the preparation**

Product name EPOXOL® SPECIAL PUTTY - COMPONENT A

**1.2 Use of the preparation**

Epoxy putty for bonding, sealing &amp; casting

**1.3 Company identification**

Manufacturer NEOTEX® SA  
45 Victoros Hugo Street  
104 37 Athens  
Greek

contact tel. numbers +30 210 52 23 534, fax: +30 210 52 46 750  
emergency tel. number +30 210 52 23 534

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**2. COMPOSITION/INFORMATION ON INGREDIENTS**

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<b>Type of preparation</b>	Epoxy putty			
<b>Components</b>	<b>CAS number</b>	<b>Symbols</b>	<b>R phrases</b>	<b>Percent (%wt)</b>
Epoxy resin(Number average molecular weight <700)	025068-38-6	Xi,N	36/38,43,51/53	75-85
Aliphatic glycidether	68081-84-5	Xi,N	36/38,43,51/53	10-20

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**3. HAZARDS IDENTIFICATION**

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Human health hazards Irritating to eyes and skin.  
Safety hazards Not classified as flammable but it will burn.  
Environmental hazards Dangerous to the environment according to EU directives. May cause long-term adverse effects in the aquatic environment

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**4. FIRST AID MEASURES**

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on inhalation Remove to fresh air. In case of severe dizziness or nausea, or if rapid recovery does not occur, obtain medical advice or attention.

on eye contact Flush eyes with plenty of water keeping the eyelids wide open. Obtain medical attention.

on skin contact Remove contaminated clothing. Wash skin with water using soap if available. If persistent irritation occurs, obtain medical advice/attention.

on ingestion Do not induce vomiting. Give nothing by mouth. If rapid recovery does not occur, obtain medical attention and show this MSDS or the container of the product to the doctor.

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**5. FIRE-FIGHTING MEASURES**

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Specific hazards Carbon monoxide may be evolved if incomplete combustion occurs.

Extinguishing media

- suitable Foam, water fog or water mist. Dry chemical powder, carbon dioxide, sand or earth may be used for small fires only.

- unsuitable Water in a jet.

Protective equipment Full protective clothing and self-contained breathing apparatus.

Other information Keep adjacent containers cool by spraying with water.

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**6. ACCIDENTAL RELEASE MEASURES**

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Personal precautions Avoid contact with skin, eyes, and clothing. Do not breathe vapour. Use suitable gloves (nitrile), safety goggles and one-piece suit. No smoking. Extinguish naked flames. Remove

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Environmental protection	ignition sources. In case the spillage occurs in a confined area, ventilate thoroughly. Stop the leakage if possible. Prevent contamination of soil and water. Prevent from spreading or entering into drains, ditches or rivers by using sand, earth, or other appropriate barriers. Use sand, earth or other absorbing material to confine and contain the spillage.
Methods for cleaning-up	Collect the leaking product in a suitable container for subsequent disposal. Contain the spillage with inert absorbing material (e.g. sand, earth) and transfer it to suitable containers for disposal according to local regulations.

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**7. HANDLING AND STORAGE**

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HANDLING	Always work in well ventilated areas. In any other case, use suitable face mask. Do not breathe vapour or spray. Do not smoke, eat or drink during work. Remove ignition sources. Avoid contact with skin, eyes, and clothing. Use the product at temperatures between 5-40°C
STORAGE	Keep the product away from children (locked if possible), closed in its original container, in a well-ventilated, cool place, away from direct sunlight, electrical appliances, sources of ignition, and naked flames. Do not store the product at temperatures higher than 50°C.

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**8. EXPOSURE CONTROLS / PERSONAL PROTECTION**

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Respiratory protection	Do not breathe vapour or spray. Always work in well ventilated areas. In any other case, use suitable face mask.
Hand protection	Avoid contact with skin. Use gloves (nitrile) that comply with relevant standards (e.g. EN 374).
Eye protection	Avoid contact with eyes. Use safety goggles (EN 166).
Skin protection	Use standard issue work clothes.

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**9. PHYSICAL AND CHEMICAL PROPERTIES )**

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Physical state	Solid
Colour	White
Odour	characteristic of epoxies
Ph	not applicable
Boiling range	not applicable
Melting point	not determined
Flash point	>150°C (Liquid epoxy resin)
Autoignition point	400 °C (Liquid epoxy resin)
Water solubility	0,009 kg/m <sup>3</sup> at 23 °C
Viscosity	not applicable

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**10. STABILITY AND REACTIVITY**

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Stability	The product remains stable if stored and used according to the instructions. It polymerises exothermically in contact with amines, mercaptanes, Lewis acids. Reacts exothermically with bases (caustic soda), ammonia, primary and secondary amines, alcohols and acids
Conditions to avoid	Caustic soda can induce vigorous polymerisation at temperatures around 200°C
Materials to avoid	Strong acids and bases. Strong oxidising or reducing agents.
Hazardous decomposi- tion	Does not decompose into hazardous products.

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products

**11. TOXICOLOGICAL INFORMATION**

According to our experience, no hazards to human health have been demonstrated when the product is used properly and common hygiene practices are maintained.

Symptoms and information concerning the use of the product, derived from the estimation of the hazardous properties of the components of the preparation, are listed below. Data concerning the toxicological properties of the components mentioned in section 2 are presented below (data provided by suppliers).

Symptoms and effects	Skin, eye, or respiratory system irritation. Headache, nausea, drowsiness, dizziness, unconsciousness.
- contact with eyes	May cause temporary irritation to eyes in the form of liquid, vapour or spray.
- contact with skin	Low toxicity ( <b>LD<sub>50</sub></b> ) > 2000 mg/kg. Prolonged or repeated contact may cause irritation, dermatitis, and can even lead to the absorption of toxicologically significant quantities of hazardous chemicals.
- ingestion	Low toxicity ( <b>LD<sub>50</sub></b> ) > 2000 mg/kg. High doses may lead to central nervous system depression, drowsiness, dizziness, unconsciousness.
- inhalation	Exposure to high vapour concentration may induce irritation of the nose, throat and respiratory tract.
Mutagenicity	Not considered to be mutagenic hazard

**12. ECOLOGICAL INFORMATION**

The product has not been tested. Thus detailed data on its environmental toxicity are not available.

Information concerning the mobility, biodegradability and bioaccumulation of the components listed in section 2 are given below (data provided by the suppliers).

Components	Epoxy resin & Aliphatic glycidether
Mobility	Sinks in water. If the product enters soil, one or more components will be mobile and may contaminate groundwater
Biodegradability	Expected to be not readily biodegradable
Bioaccumulation	Has the potential to be bioaccumulate

Data concerning the ecotoxicity of the components listed in section 2 to aquatic organisms are given below (data provided by the suppliers).

Components	fish (LC/EC <sub>50</sub> ,ppm)	invertebrates (LC/EC <sub>50</sub> ,ppm)	algae (LC/EC <sub>50</sub> ,ppm)	Bacteria (LC/EC <sub>50</sub> ,ppm)
Epoxy resin (Number average molecular weight <700)	<1	1-10	<1	>100

Based on its formula, the product is expected to cause problems in waste water treatment plants. Therefore, avoid release of the product in drains and the aquatic environment.

**13. DISPOSAL CONSIDERATIONS**

Product disposal	Should be disposed of according to local regulations as hazardous waste.
Container disposal	Contaminated containers should be disposed of according to local regulations as hazardous waste.

**14. TRANSPORT INFORMATION****Rail/road transport (ADR/RID)**

ADR class

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Item	11 (C)
UN No.	3082
KEMLER No	90
proper shipping name	ENVIRONMENTALLY HAZARDOUS SUBSTANCE, SOLID, Epoxy resin (Number average molecular weight <700)



**Maritime transport (IMDG)**

IMDG class	9
UN No.	3082
packing group	III
marine pollutant	NO
proper shipping name	ENVIRONMENTALLY HAZARDOUS SUBSTANCE, SOLID, Epoxy resin (Number average molecular weight <700)

**Air transport (ICAO/IATA)**

ICAO/IATA class	9
UN/ID No.	3082
packing group	III
proper shipping name	ENVIRONMENTALLY HAZARDOUS SUBSTANCE, SOLID, Epoxy resin (Number average molecular weight <700)

**15. REGULATORY INFORMATION**

Classification	Irritant, Dangerous for the environment	
Symbols	Xi  , N 	
Risk	R 36/38	Irritating to eyes and skin
phrases (R)	R 43	May cause sensitization by skin contact
	R 51/53	Toxic to aquatic organisms, may cause long-term adverse effects in the aquatic environment
Safety phrases (S)	S 2	Keep out of the reach of children
	S 24	Avoid contact with the skin
	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
	S 37/39	Wear suitable gloves and eye/face protection.
	S 61	Avoid release to the environment.
Other phrases	Contains Epoxy resin (Number average molecular weight <700)	

**16. OTHER INFORMATION**

The product is suitable for public use.

The classification and the labelling of the preparation have been performed according to directive 99/45/EU and its amendments.

The present MSDS complies with directive 91/115/EEC and its amendments.

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The information contained in this document is based on our current knowledge and experience and is intended to describe the product for the purposes of health, safety and environmental requirements only. It should not therefore be construed as guaranteeing any specific property of the product. The user is responsible for observing local laws and regulations.