

**According to Regulation ( EC) No.1272/2008**

Revision date: 03.11.2016

## **1. Identification of the substance/preparation and of the company/undertaking**

Product details :

1.1. Trade name

**DREAM FRAME BIO RESIN – BASE**

1.2. Application of the substance / the preparation Filler/ Extender

Modified liquid epoxy resin

1.3. Manufacturer/Supplier

DEI Italia S.r.l.

Via Torino 765 – 21020 Mercallo ( Varese )

Tel.+39 0331 969270 Fax +39 0331 969271

web: [www.deiitalia.it](http://www.deiitalia.it) E-mail : [info@deiitalia.it](mailto:info@deiitalia.it)

1.4. Information in case of emergency

Ospedale Niguarda (MI) +39 02 66101029

IRCCS Fondazione Maugeri - Pavia 0382 24444

Ospedali Riuniti - Bergamo 800 883300

Ospedale Careggi - Firenze 055 7947819

Policlinico Umberto I - Roma 06 49978000

Ospedale Cardarelli - Napoli 081 74728702

## **2.Hazards identification**

2.1.Classification of the substance or mixture

GHS classification:

Skin irritation, category 2.

Eye irritation, category 2A.

Skin sensitization, category 1.

Chronic aquatic hazard, category 2.

2.2. Label elements

Hazard pictograms:

Signal word

Caution

Indications of danger:

H315 Causes skin irritation.

H317 May cause an allergic skin reaction.

H319 Causes serious eye irritation.

H411 Toxic to aquatic life with long lasting effects.

Precautionary statements:

P261 Avoid breathing dust / fume / gas / mist / vapors / spray.

P264 Wash the skin thoroughly after use.

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P272 Contaminated work clothing should not be left outside the workplace.

P273 Avoid release into the environment.

P280 Wear protective gloves / protective clothing / eye protection / face protection.

P302 + P352 If on the skin: wash with soap and water.

P305 + P351 + P338 In case of eye contact: Rinse cautiously with water for several minutes.

Remove contact lenses if present and easy to do. Continue to rinse.

P321 Specific treatment (see additional first aid instructions on this label).

P333 + P313 In case of skin irritation or rash: consult a doctor.

P362 Remove contaminated clothing and wash before re-use.

P391 Collect the payment.

P501 Dispose of contents and container as indicated in Section 13.

Hazards not elsewhere classified: None

### 3. Composition/information on ingredients

#### 3.1. Description/CAS No./Dangerous components

| Identification    | Name                                                                    | %     |
|-------------------|-------------------------------------------------------------------------|-------|
| CAS-No 25068-38-6 | Reaction product: bisphenol- A- (epichlorohydrin); epoxy resin          | 85-95 |
| CAS-No 100-51-6   | Benzyl alcohol                                                          | <10   |
| CAS-No 57834-33-0 | Benzoic acid, 4 - [[[(methylphenylamino) methylene] amino] -ethyl ester | <10   |
| CAS-No 68609-97-2 | Alkyl (C12-14) glycidyl ether                                           | <10   |

### 4. First aid measures

General informations:

#### 4.1. Description of first aid measures

After inhalation:

Loosen the clothes as needed and position the individual in a comfortable position. Maintain an unobstructed airway. Ask for advice / medical attention if you do not feel well.

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After contact with the skin:

Wash the affected area with soap and water. Consult a doctor if symptoms develop or persist.

After eye contact:

Rinse / wash exposed eyes gently with water for 15-20 minutes. Remove contact lenses (if) able to do this during rinsing. Consult a doctor if irritation persists or if you are worried.

After swallowing:

Rinse the mouth and drink plenty of water. Do not induce vomiting. Ask for advice / medical attention if you do not feel well.

4.2.Main symptoms and effects, both acute and delayed

Acute symptoms:

No information available.

Delayed symptoms:

No information available.

4.3.Indication of the possible need to immediately consult a doctor and special treatments

No information available.

## **5. Fire-fighting measures**

5.1. Extinction means

Suitable extinguishing media:

Use appropriate fire-fighting agents for adjacent combustible materials or sources of ignition.

Unsuitable extinguishing media:

No information available.

5.2. Special peels deriving from the substance or mixture

Specific hazards during firefighting:

Thermal decomposition can lead to release of irritating gases and vapors.

5.3.Recommendations for firefighters

Special protective equipment for firefighters:

Wear glasses, gloves and protective clothing.

Refer to Section 8.

Use typical fire-fighting equipment, self-contained breathing apparatus, special sealed suit.

Additional information:

Heating causes an increase in pressure, risk of bursting and combustion. Turn off the ignition sources.

During combustion, carbon monoxide and carbon dioxide can form.

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## **6. Accidental release measures**

### 6.1. Precautions, protection devices and procedures in case of emergency

Ensure adequate ventilation.

Ensure that air treatment systems are operational.

Wear glasses, gloves and protective clothing.

### 6.2. Environmental precautions

It should not be released into the environment. Avoid reaching drains, sewers or watercourses.

### 6.3. Methods and materials for containment and remediation

Absorb with non-combustible liquid binder (sand, diatomaceous earth, clay, universal binders).

Dispose of contents / container in accordance with local regulations.

### 6.4. Reference to other sections

None

## **7. Handling and storage**

### 7.1. Precautions for safe handling

Do not eat, drink, smoke or use personal products when handling chemicals. Avoid breathing gas or steam. Use only with adequate ventilation.

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

Store in a cool and well-ventilated place. Keep away from food.

## **8. Exposure controls and personal protection**

### 8.1. Control parameters

Components whose limit values must be kept under control in the workplace:

Benzyl alcohol

CAS N.100-51-6

Permissible concentration: WEEL TWA 10.0 ppm

### 8.2. Exposure controls

Appropriate engineering controls:

Emergency eye and safety showers should be available in the immediate vicinity of use or handling.

Provide ventilation or other engineering controls to maintain the vapor and mist concentrations in the air below the occupational exposure limits (occupational exposure limits - OEL) indicated above.

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Respiratory protection:

If necessary, use a NIOSH approved respirator.

Eye protection:

Protective goggles or glasses, or adequate eye protection.

Skin and body protection:

Select the impermeable and substance-resistant glove material.

General sanitation measures:

Wash hands before breaks and at the end of work. Avoid contact with skin, eyes and clothing.

Perform routine cleaning. Wash the contaminated garments before reusing them.

### 9. Physical and chemical properties

9.1. Information on basic properties and chemical

Form: liquid

Light color

Odor: light

Change of status

Melting point / Melting range: n.d

Boiling point / Boiling range: n.d.

Flash point: > 200 ° C

Ignition temperature: n.d

Self-ignition: n.d

Danger of explosion: n.d.

Flammability limits:

lower:

top:

Vapor pressure at 20 ° C: n.d.

Density at 25 ° C: 1100-1200 Kg / m<sup>3</sup>

Solubility in / Miscibility with Water: negligible

PH values: not defined

Viscosity: dynamic: 8-13 Pas at 25 ° C

kinematics: not defined

### 10. Thermal decomposition / conditions to be avoided

10.1. Reactivity

It does not react under normal conditions of use and storage.

10.2 Chemical stability

Stable under normal conditions of use and storage.

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10.3.Possibility of dangerous reactions

None under normal use and storage conditions.

10.4.Conditions to avoid

None known

10.5.Incompatible materials

None known

10.6.Dangerous decomposition products

None known

**11.Toxicological information**

11.1.Information on toxicological effects

Exposure paths:

No information available.

Acute toxicity:

oral:

Reaction product:

bisphenol-A- (epichlorohydrin);

epoxy resin: LD50 Rat 13,800 mg / kg.

Benzyl alcohol: LD50 Rat 1.230 mg / kg.

Skin corrosion / irritation:

Benzyl alcohol BLK: Rabbit No skin irritation 24 hours.

Serious eye damage / irritation:

Benzyl Alcohol BLK: Rabbit Eye irritation 24h.

Respiratory or skin sensitization:

No information available.

Carcinogenicity:

No information available.

IARC (International Agency for Cancer Research):

None of the ingredients are listed.

NTP (National Toxicology Program):

None of the ingredients are listed.

Germ cell mutation:

No information available.

Reproductive toxicity:

No information available.

STOT: single and repeated exposure:

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No information available.

Aspiration toxicity:

No information available.

Further toxicological information:

No information available.

## 12. Ecological information

12.1. Ecotoxicity

Benzyl alcohol:

fish, LC50 - *Lepomis macrochirus* (Bluegill) - 10 mg / l - 96 h.

Benzyl alcohol:

aquatic invertebrates, EC50 - *Daphnia magna* (water flea) - 55 mg / l - 24 h.

12.2. Persistence and degradability:

No information available.

12.3. Bioaccumulative potential:

No information available.

12.4. Mobility in the soil:

No information available.

12.5. Other adverse effects:

No information available.

## 13. Disposal considerations

13.1. Waste treatment methods

Product:

Tips:

It must be disposed of, taking into account local and national regulations at a suitable authorized incineration plant.

Do not dispose of the product with household waste. Do not empty into drains.

Uncleaned packaging:

Advice:

Disposal in accordance with administrative provisions.

## 14. Transport information

14.1. UN Number

UN 3082

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### 14.2. Undering name of the UN

Environmentally hazardous substance, liquid, (Reaction product: bisphenol-A- (epichlorhydrin), epoxy resin

### 14.3. UN Transport hazard classes

9

### 14.4. Packing group

III

9 Various dangerous substances and articles

### 14.5. Environmental hazards

YES

F-A, S-F

### 14.6. Special precautions for users

The product is not regulated for packages of air, trains and motor vehicles lower than (450 L)

### 14.7. Transportation of bulk according to Annex II of MARPOL73 / 78 and the IBC Code

Not applicable

## 15. Regulations

15.1. Safety, health and environmental standards and legislation specific for the substance or mixture

Classification according to EEC directives:

The product is classified and coded according to the EEC directives / regulations on dangerous substances

Chemicals known to cause cancer: None of the ingredients are listed.

Chemicals known to cause reproductive toxicity for women: None of the ingredients are listed.

Chemicals known to cause reproductive toxicity for males: None of the ingredients are listed.

Chemicals known to cause developmental toxicity: None of the ingredients are listed.

## 16. Other information

This product has been classified according to the risk criteria of the Controlled Products Regulations and the SDS contains all the information required by the Regulations on the controlled products. The responsibility for providing a safe workplace remains with the user. The user must consider the health hazards and safety information contained here as a guide and should take the precautions required in a single operation to instruct employees and develop work practice procedures for a safe work environment. The information contained herein are, to our knowledge and belief, accurate. However, as the conditions of management and use are beyond

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our control, we do not guarantee any results and do not assume any responsibility for damage caused by the use of this material. It is the user's responsibility to comply with all laws and regulations applicable to this material.