

# RAREPOXY 188SF

## 1 IDENTIFICATION OF THE PRODUCT AND THE COMPANY

### 1.1 IDENTIFICATION OF THE SUBSTANCE / PREPARATION:

**IDENTITY (As used on label and list) :** RAREPOXY 188SF

### 1.2 IDENTIFICATION OF THE COMPANY:

RAR Resin & Chemical Industries JLT  
11th Floor, Jumeirah Lake Towers, P.O. Box: 47381, Dubai UAE  
Tel: +971 4 4356516 / +971 4 4356517      Email: info@rarresin.com  
Fax: +971 4 4356518      Website: www.rarresin.com

## 2 COMPOSITION / INFORMATION ON INGREDIENTS

**Hazardous substances:** Xi: 36/38 M, R :43 N:51/53  
(OSHA: 29 CFR 1910.1200 Hazardous Chemical  
"Irritant", "Sensitizer"  
Average molecular weight < =700

**Hazardous label(s):** Toxic to aquatic organisms.  
May cause long-term adverse effects in the  
aquatic environment.

**Toxicological characteristics:** No DATA available

**Substances present at a concentration below  
the minimum danger:** No DATA available

**Other component:** No DATA available

## 3 IDENTIFICATION OF HAZARDS

**Risk phrases:** R36/38/43  
S 26/27  
Irritating to eyes and skin  
May cause sensitization by skin contact

**Skin contact:** Repeated exposure may cause sensitization due to  
an allergic reaction of the skin, redness and pain.  
Inhalation unlikely

**Inhalation:** Redness, pain, tears, blurred vision

**Eye contact:** Not expected to present a significant ingestion hazard under  
anticipated condition of use

**If swallowed:** No DATA available

**Other information:** No DATA available

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#### 4 FIRST AID MEASURES

As a general rule, in case of doubt or if symptoms persist, always call a doctor **NEVER** induce swallowing in an unconscious person.

**Skin contact :**

Remove contaminated clothing and excess product wash thoroughly with soap and water followed by warm water rinse. If irritation persists seek medical attention.

**In case of exposure by inhalation:**

Assure fresh air breathing.

**In case of splashes or contact with eyes:**

Rinse immediately with plenty of water.

**In case of swallowing:**

Obtain medical attention if, pain, blinking or redness persist. If swallowed, seek medical advice immediately and show this container or label.

#### 5 FIRE FIGHTING MEASURES

**Flammable class:**

This product is not flammable  
In case of fire, use water spray or fog for cooling exposed containers.

**Suitable extinguishing media:**

No data available but dry chemical, chemical foam or alcohol-resistant foam in some documents have mentioned.

**Special exposure hazards arising from the substance or preparation itself, combustion products, resulting gases:**

Wear a self-contained breathing apparatus and complete full-body personal protective equipment. (Closed containers may rupture (due to buildup of pressure) when exposed to extreme heat.)

**Hazardous combustion product(s):**

Carbon dioxide , carbon monoxide

**Special protective equipment for fire fighting:**

Do not enter fire area without proper protective equipment, including respiratory protection.

**Other information:**

Avoid (reject) fire-fighting water to enter environment, exercise caution when fighting any chemical fire.

#### 6 ACCIDENTAL RELEASE MEASURES

**Personal precautions:**

Spill should be handled by trained cleaning personnel property equipped with respiratory and eye protection.

**Environmental precautions:**

(Treat as a combustible substance, keep heat, flame or spark producing equipment away)  
Prevent entry to sewers and public water. May contaminate water supplies.

**Methods for cleaning up and disposal:**

Notify authorities if product enters sewers or public waters.  
Clean up any spills as soon as possible, using an absorbent material to collect it. Use appropriate container to avoid environmental contamination. Dispose of according to applicable local regulations.

**Other information:**

Contaminated area must be isolate.  
Spill area may be slippery.

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## 7 HANDLING AND STORAGE

The regulations relating to storage remises apply to workshop where the product is handled:

**Handling:**

**Storage:**

**Other information:**

Avoid all unnecessary exposure.

Handle in accordance with good industrial hygiene and safety procedures. Ensure prompt removal from skin, eyes and clothing .Wash hands and other exposed areas with mild soap and water, before eat , drink and smoke and when leaving work.

Store in cool, dry and well-ventilated area. Keep container closed when not in use.

No DATA available

## 8 EXPOSURE CONTROLS/PERSONAL PROTECTION

**Exposure limit values:**

Reserved to industrial installations.

**Exposure controls:**

Good general ventilation should be sufficient for most conditions. Use adequate general or local exhaust ventilation to keep airborne concentrations below the permissible exposure limits. (As described by OSHA's eye and face protection regulations in 29 CFR 1910.133 or European Standard EN166.)

**Personal protective equipment:**

None

DO NOT WEAR CONTACT LENSES when Working with this product.

**Eye protection:**

Wear appropriate safety goggles.

**Respiratory protection:**

Not required if the ventilation system is sufficient.

**Hand protection:**

Protective gloves are required.

**Skin and body protection:**

protective clothing

**Health measures:**

When using, do not eat, drink or smoke.

Wash thoroughly after handling.

**Environmental exposure controls:**

No DATA available.

## 9 PHYSICAL AND CHEMICAL PROPERTIES

**General information:**

Liquid epoxy resin

**Appearance (at 20°C):**

Colorless or light yellow liquid

**Colour:**

Colorless or light yellow

**Odour:**

Light

**PH (at 20°C):**

Not determined

**Boiling point/range (°C):**

> 200 °C

**Flash point (°C):**

>200 °C

**Flammability:**

Not determined

**Auto-ignition temperature:**

>500 °C

**Explosive properties:**

Not determined

**Vapour pressure (at 20°C):**

Not applicable

**Density (at 20°C):**

1.16-1.17 g/cm<sup>3</sup>

**Viscosity:**

Max 13000 mpa.s (25 °C )

**Solubility (at 20°C):**

Soluble: completely soluble in ketones, esters, alcohols and aromatic hydrocarbons.

**Insoluble in:**

water

**Other information :**

Average molecular weight <= 700

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## 10 STABILITY AND REACTIVITY

<b>Stability:</b>	Stable under normal conditions
<b>Conditions to avoid:</b>	None under normal conditions
<b>Material to avoid:</b>	Acids, bases, amines and oxidizing agents. None under normal conditions.
<b>Hazardous decomposition products:</b>	Under fire conditions polymers decompose. The smoke may contain polymer fragments of varying compositions in addition to unidentified toxic and/or irritating compounds. Hazardous combustion products may include and are not limited to phenolics, carbon monoxide and carbon dioxide.

## 11 TOXICOLOGICAL INFORMATION

<b>Acute toxicity:</b>	Acute Oral Toxicity (LD50/Rat oral ): >10,000 mg/kg Acute Dermal Toxicity (LD50/Rabbit): >2000 mg/kg
<b>Sub chronic – chronic toxicity:</b>	None known
<b>Sensibilization:</b>	None known
<b>Carcinogenicity:</b>	None known
<b>Reproductive effects:</b>	None known
<b>Human experience:</b>	None known
<b>Other information:</b>	None known

## 12 ECOLOGICAL INFORMATION

<b>Ecotoxicity:</b>	Toxic to aquatic organisms, may cause long-term adverse effects in the aquatic environment. Prevent penetration to swage systems, water reservoirs, ground water and/or soil.
<b>Bioaccumulative potential:</b>	Mobility:None known
<b>Mobility:</b>	No DATA available
<b>Persistence and degradability:</b>	No DATA available
<b>Other information:</b>	For some grades of epoxy resin theoretical oxygen demand (ThoD) is calculated to be 2.35 p/p. In the atmospheric environment, material is estimated to have a tropospheric half-life of 1.92 hr. Biodegradation reached in Modified Zahn-Wellens / EMPA Test (OECD Test No. 302B) after 28 days: 12%. 20-Day biochemical oxygen demand (BOD20) is <2.5%.

## 13 DISPOSAL CONSIDERATIONS

<b>Disposal of product:</b>	Avoid release to the environment. Dispose in a safe manner in accordance with local /national regulations.
<b>Disposal of packaging:</b>	None

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## 14 TRANSPORT INFORMATION

**Land transport:**

**ADR/RID:**

**ADR/RID:**

**Maritime transport:**

**Air transport:**

**Other information :**

RAR Resin 6EXCL creates no hazard for the transport and it is not covered by the RID/ADR regulations.

This product can be transported by any means of transport in original and tightly closed unit containers.

## 15 REGULATORY INFORMATION

**Hazardous label(s):**

**Safety phrases:**

**Risk phrases:**

Xi irritant

N Dangerous for the environment

S26 In case of contact with eyes, sink with plenty of water and seek medical attention

S37 Wear suitable gloves

S 61 Avoid release to the environment. Refer to special instructions/ safety data sheets.

R36/38 Irritating to eyes and skin

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

## 16 OTHER INFORMATION

**Specifications and technical information on the products may be obtained by your dealer.**

**The contents and format of this MSDS are in accordance with EEC Commission Directive 2001/58/EC**

Disclaimer of liability:

The information in this MSDS was obtained from different sources, which RAR Resin & Chemical Industries believe, is reliable. However, the information is provided without any warranty, express or implied, regarding its correctness. The conditions or methods of handling, storage, use or disposal of the product are beyond our control and may be beyond our knowledge. For this and other reasons, RAR Resin & Chemical Industries do not assume responsibility and expressly disclaim liability for loss, damage or expense arising out of or in any way connected with the handling, storage, use or disposal of the product. This MSDS was prepared and is to be used only for this product. If the product is used as a component in another product, this MSDS information may not be applicable.