

**1- Product and company identification**Trade name: **SR 1700  
Epoxy resin****Manufacturer / Supplier:****SICOMIN Composites**  
RN 568 BP 23  
13 161 Châteauneuf-les-Martigues Cédex - France  
Phone: 33.04.42.42.30.20 Fax: 33.04.42.81.29.29 [composites@sicomin.com](mailto:composites@sicomin.com)**2- Composition / Information on ingredients****Chemical characterization:** Modified epoxy resin

CAS Number	Chemical Name:	%	Symbol	Risk Classification
25068-38-6	Bisphenol A Diglycidyléther (DGEBA)	< 80	Xi, N	36/38 43 51/53
2095-06-9	Aniline Diglycidylether	< 40	Xn	36/38 22 40 43

**3- Hazards Identification****Hazard designation:**

Xn: Harmful



N: Environmentally hazardous substance

- R 36/38: Irritating to eyes and skin  
 R 22: Harmful if swallowed  
 R 40: Possible risks of irreversible effects  
 R 43: May cause sensitization by skin contact  
 R 51/53: Harmful to aquatic organism, may cause long term adverse effects in aquatic environment

**Additional information:**

The residue of epichlorohydrin corresponds to the recommendations of APME: modified epoxy resins &lt; 10 ppm (0.001 %)

**4- First aid measures****After inhalation:**

Supply fresh air and call for doctor for safety reasons. In case of unconsciousness bring patient into stable side position for transport.

**After skin contact:**

Instantly wash with water and soap and rinse thoroughly

**After eye contact:**

Rinse opened eye for several minutes under running water. Seek immediate medical advice

**After swallowing:**

In case of persistent symptoms consult doctor.

**5- Fire fighting measures****Suitable extinguishing agents:**CO<sub>2</sub>, extinguishing powder or water jet. Fight larger fires with water jet or alcohol resistant foam**Products to avoid:**

Water with a full water jet

**Special hazards caused by the material, its products of combustion or resulting gases:**

Can be released in case of fire

Carbon monoxide (CO), nitrogen oxides (NO<sub>x</sub>), traces of hydrogen chloride (HCl)**Protective equipment:**

Wear full protective suit and self-contained breathing apparatus

## 6-Accidental release measures

### Person-related safety precautions:

Wear protective equipment. Keep unprotected persons away.

### Measures for environmental protection:

Do not allow product to reach sewage system or water bodies.

Do not allow to enter the ground / soil

### Measures for cleaning / collecting:

Absorb with liquid-binding material: sand, diatomite, acid binders, universal binders, sawdust.

## 7- Handling and storing

### Information for safe handling:

Store in well ventilated area, dry place in tightly closed containers.

### Information about protection against explosions and fires:

No special measures required

### Requirements to be met by storerooms and containers:

Prevent any penetration into the ground

### Further information about storage conditions:

Keep container tightly sealed. Storage temperature lower than 25 °C

## 8- Exposure controls / personal protection

### Additional information about design of technical systems:

No further data, see item 7

### Personal protective equipment

#### General protective and hygienic measures:

Take off immediately all contaminated clothing

Wash hands during breaks and at the end of the work

Avoid contact with the eyes and skin

**Breathing equipment:** Not necessary if room is well ventilated

**Protection of hands:** Plastic gloves

**Eye protection:** Tightly sealed safety glasses

**Body:** Protective work clothing

## 9- Chemical / Physical properties

### Appearance: Liquid

**Color** : Light yellow

**Odour** : Weak, characteristic

**Ph** : nd

**Boiling point** : > 130 °C

**Flash point** : >135 °C

**Solubility in water** : Insoluble

**Solubility in organic solvents** : Alcohols and aromatic hydrocarbons

**Specific gravity (Kg/l 20°C)** : 1.14 to 1.16

**Viscosity (mPa.s 25°C)** : 900 to 1400

**Vapour pressure (hpa /20°C)** : nd

## 10- Stability and reactivity data

### Thermal decomposition / conditions to be avoided:

No decomposition if used according to specifications

### Dangerous reactions:

May produce violent reactions with bases and numerous organic substances including alcohols and amines. Exothermic polymerisation

### Dangerous products of decomposition:

Irritant gases / Vapours: CO, NOx

### 11- Toxicological information

#### Acute toxicity / LD / LC 50 values that are relevant for classification:

25068-38-6:	Oral LD 50: 11400 mg/kg (rat)	Dermal LD 50: > 2000 mg/kg (rabbit)
2095-06-9:	Oral LD 50: 1620 mg/kg (rat)	Dermal LD 50: 3560 mg/kg (rabbit)

#### Primary irritant effect:

##### on the skin:

Irritant to skin and mucous membranes

##### on the eyes:

Irritant effect

#### Sensibilization:

Possible by skin contact

#### Additional toxicological information:

When used and handled according to specifications, the product does not have any harmful effects according to our experience and the information provided to us

### 12- Ecological Information

#### General notes:

Do not allow product to reach underground or surface water or sewage

### 13- Disposal considerations

#### Recommendation:

Dispose of in accordance with local and national regulations, eg convey to a licensed incinerator

#### Uncleaned packagings:

Empty contaminated packagings thoroughly. They can be recycled after thorough and proper cleaning. Disposal must be made according to official regulations.

### 14- Transport Information

ONU N°: 3082

#### Correct technical name:

Poisonous liquid, Epoxy derivatives mw < 700, nos

**Air transport:** ICAO / IATA Class: 9 Group: III

**Sea transport** IMDG Class: 9 Group: III IMDG page: 9028  
N° EMS: none MFAG: none Marine pollutant: yes

**Road transport** ADR / RID Class: 9, 11c° HI/Kemler n°: 90

### 15- Regulatory information

#### Label EEC regulation:

91 / 155 EC

#### Hazard symbol:

Xn Harmful N Environmentally hazardous substance

#### Hazard determining components of labelling:

Epoxide derivatives mw < 700

Reaction product: Bisphenol A / epichlorohydrin, Aniline Diglycidylether

#### Risk phrases:

R 36/38: Irritating to eyes and skin

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**Safety Phrases:**

- 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 soap and water
- S 37/39: Wear suitable gloves and eye / face protection

**Special designation of certain preparations:**

Contains epoxy constituents

**National regulations:**

Document of APME: "Epoxy resins and curing agents (Toxicology, health, safety and environmental aspects)

**16-Other information**

**Note:**

The information herein is given in good faith and to the best of our knowledge but no warranty, express or implied, is made. Since the use of this information and the conditions of use of the product are not within our control, it is the user's obligation to determine the condition of safe use of the products.

NA: Not applicable      ND: Not determined

**Department issuing data specification sheet / Contact:**

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