1- Product and company identification
Trade name: SR 8100
Epoxy resin

Manufacturer / Supplier:
SICOMIN Composites
RN 568  BP 23
13 161 Châteauneuf-les-Martigues Cédex - France
Tel: 33.04.42.42.30.20   Fax: 33.04.42.81.29.29   composites@sicomin.com

2- Composition / Information on ingredients
Chemical characterization: Modified epoxy resin

<table>
<thead>
<tr>
<th>CAS Number</th>
<th>Chemical Name</th>
<th>%</th>
<th>Symbol</th>
<th>Risk Classification</th>
</tr>
</thead>
<tbody>
<tr>
<td>25068-38-6</td>
<td>Bisphenol A Diglycidyléther (DGEBA)</td>
<td>&lt; 50</td>
<td>Xi, N</td>
<td>36/38  43  51/53</td>
</tr>
<tr>
<td></td>
<td>Epoxide derivatives mw &lt; 700</td>
<td>&gt; 50</td>
<td>Xi, N</td>
<td>36/38  43  51/53</td>
</tr>
</tbody>
</table>

3- Hazards Identification
Hazard designation:

- Xi: Irritant
- N: Environmentally hazardous substance

- R 36/38: Irritating to eyes and skin
- 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 < 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:
CO2, 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 release in case of fire
Carbon monoxide (CO). Under certain fire conditions, traces of other toxic gases cannot be excluded, eg 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

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
Colour:
   Light yellow
Odour:
   Weak, characteristic
Ph:
   7
Boiling point:
   > 200 °C
Flash point:
   >150 °C
Solubility in water:
   Insoluble
Solubility in organic solvents:
   Alcohols and aromatic hydrocarbons
Specific gravity (Kg/l 20°C):
   1.14 to 1.18
Viscosity (mPa.s 25°C):
   500 to 900
Vapour pressure (hpa /20°C):
   0.1

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
11- Toxicological information

**Acute toxicity / LD / LC 50 values that are relevant for classification:**
- 25068-38-6 reaction product: bisphenol A / epichlorohydrin resin, MW < 700
- Oral LD 50: 11400 mg/kg (rat)
- Dermal LD 50: > 2000 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, e.g., 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:**
- Environmentally hazardous substance, liquid, NOS. Epoxy derivatives.

**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 Label: 9 Class: 9, 11c) HI/Kemler n°: 90

15- Regulatory information

**Label EEC regulation:**
- 91 / 155 EC

**Hazard symbol:**
- Xi Irritant N Environmentally hazardous substance

**Hazard determining components of labelling:**
- Epoxide derivatives mw < 700
- Reaction product: Bisphenol A / epichlorohydrin

**Risk phrases:**
- R 36/38: Irritating to eyes and skin
- R 43: May cause sensitization by skin contact
- R 51/53: Harmful to aquatic organism, may cause long term adverse effects in aquatic environment
**Safety Phrases:**

S 28: After contact with skin, wash immediately with plenty of soap and water
S 37/39: Wear suitable gloves and ey/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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