SECTION 1: Identification of the hazardous chemical and of the supplier

Product name : Sikafloor®-262 AS N Part A
Product code : 000000118384
Type of product : liquid

Recommended use of the chemical and restrictions on use
Product use : Epoxy coating

Manufacturer or supplier’s details
Address : Lot 689 Nilai Industrial Estate
          Nilai 71800
Telephone : +6067991762
Emergency telephone number :
Telefax : +6067991980
E-mail address : EHS@my.sika.com
Contact point :

SECTION 2: Hazards identification

Classification of the hazardous chemical
Skin corrosion/irritation : Category 2
Serious eye damage/eye irritation : Category 2
Skin sensitisation : Category 1
Hazardous to the aquatic environment - chronic hazard : Category 2

Label elements
Hazard pictograms :

Signal word : Warning
Hazard statements : H315 Causes skin irritation.
                  H317 May cause an allergic skin reaction.
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H319 Causes serious eye irritation.
H411 Toxic to aquatic life with long lasting effects.

Precautionary statements
Prevention:
P261 Avoid breathing dust/ fume/ gas/ mist/ vapours/ spray.
P273 Avoid release to the environment.
P280 Wear eye protection/ face protection.
P280 Wear protective gloves.
Response:
P333 + P313 If skin irritation or rash occurs: Get medical advice/ attention.
P337 + P313 If eye irritation persists: Get medical advice/ attention.

Other hazards which do not result in classification
None known.

SECTION 3: Composition and information of the ingredients of the hazardous chemical

Substance / Mixture : Mixture

Hazardous components

<table>
<thead>
<tr>
<th>Chemical name</th>
<th>CAS-No.</th>
<th>Concentration (%)</th>
</tr>
</thead>
<tbody>
<tr>
<td>reaction product: bisphenol-A-(epichlorhydrin) and epoxy resin (number average molecular weight &lt;= 700)</td>
<td>25068-38-6</td>
<td>&gt;= 10 - &lt; 30</td>
</tr>
<tr>
<td>p-tert-butylphenyl 1-(2,3-epoxy)propyl ether</td>
<td>3101-60-8</td>
<td>&gt;= 5 - &lt; 10</td>
</tr>
<tr>
<td>benzyl alcohol</td>
<td>100-51-6</td>
<td>&gt;= 1 - &lt; 3</td>
</tr>
</tbody>
</table>

SECTION 4: First aid measures

General advice : Move out of dangerous area.
Consult a physician.
Show this safety data sheet to the doctor in attendance.

If inhaled : Move to fresh air.
Consult a physician after significant exposure.

In case of skin contact : Take off contaminated clothing and shoes immediately.
Wash off with soap and plenty of water.
If symptoms persist, call a physician.

In case of eye contact : Immediately flush eye(s) with plenty of water.
Remove contact lenses.
Keep eye wide open while rinsing.
If eye irritation persists, consult a specialist.

If swallowed : Clean mouth with water and drink afterwards plenty of water.
Do not give milk or alcoholic beverages.
Never give anything by mouth to an unconscious person.
Obtain medical attention.

Most important symptoms : irritant effects
and effects, both acute and delayed
sensitising effects
Allergic reactions
Excessive lachrymation
Dermatitis
See Section 11 for more detailed information on health effects and symptoms.
Causes skin irritation.
May cause an allergic skin reaction.
Causes serious eye irritation.

Notes to physician : Treat symptomatically.

SECTION 5: Firefighting measures

**Extinguishing media**
Suitable extinguishing media : Use extinguishing measures that are appropriate to local circumstances and the surrounding environment.

**Physicochemical hazards arising from the chemical**
Specific hazards during firefighting : Do not allow run-off from fire fighting to enter drains or water courses.
Hazardous combustion products : No hazardous combustion products are known

**Special protective equipment and precautions for fire-fighters**
Special protective equipment for firefighters : In the event of fire, wear self-contained breathing apparatus.
Specific extinguishing methods : Collect contaminated fire extinguishing water separately. This must not be discharged into drains. Fire residues and contaminated fire extinguishing water must be disposed of in accordance with local regulations.

SECTION 6: Accidental release measures

**Personal precautions, protective equipment and emergency procedures** : Use personal protective equipment.
Deny access to unprotected persons.

**Environmental precautions** : Do not flush into surface water or sanitary sewer system. If the product contaminates rivers and lakes or drains inform respective authorities.

**Methods and materials for containment and cleaning up** : Soak up with inert absorbent material (e.g. sand, silica gel, acid binder, universal binder, sawdust). Keep in suitable, closed containers for disposal.
SECTION 7: Handling and storage

**Handling**

**Precautions for safe handling**

**Advice on protection against fire and explosion:** Normal measures for preventive fire protection.

**Advice on safe handling:**
- Do not breathe vapours or spray mist.
- Avoid exceeding the given occupational exposure limits (see section 8).
- Do not get in eyes, on skin, or on clothing.
- For personal protection see section 8.
- Persons with a history of skin sensitisation problems or asthma, allergies, chronic or recurrent respiratory disease should not be employed in any process in which this mixture is being used.
- Smoking, eating and drinking should be prohibited in the application area.
- Follow standard hygiene measures when handling chemical products.

**Storage**

**Conditions for safe storage, including any incompatibilities**

**Conditions for safe storage:** Keep container tightly closed in a dry and well-ventilated place.
- Containers which are opened must be carefully resealed and kept upright to prevent leakage.
- Store in accordance with local regulations.

SECTION 8: Exposure controls and personal protection

**Control parameters**

Contains no substances with occupational exposure limit values.

Gastro intestinal illness caused by benzene, toluene, xylene and all products in which they are contained., Occupational illnesses caused by epoxy resins and their constituents., Health effects caused by professional use of liquid organic solvents (indicated in the table).

**Individual protection measures, such as personal protective equipment**

**Eye/face protection**
- Safety eyewear complying with an approved standard should be used when a risk assessment indicates this is necessary.

**Skin protection**
- Choose body protection in relation to its type, to the concentration and amount of dangerous substances, and to the specific work-place.

**Hand protection**
- Chemical-resistant, impervious gloves complying with an approved standard should be worn at all times when handling chemical products if a risk assessment indicates this is necessary.

**Respiratory protection**
- Use respiratory protection unless adequate local exhaust
ventilation is provided or exposure assessment demonstrates that exposures are within recommended exposure guidelines. The filter class for the respirator must be suitable for the maximum expected contaminant concentration (gas/vapour/aerosol/particulates) that may arise when handling the product. If this concentration is exceeded, self-contained breathing apparatus must be used.

Hygiene measures: Handle in accordance with good industrial hygiene and safety practice. When using do not eat or drink. When using do not smoke. Wash hands before breaks and at the end of workday.

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**SECTION 9: Physical and chemical properties**

<table>
<thead>
<tr>
<th>Property</th>
<th>Value</th>
</tr>
</thead>
<tbody>
<tr>
<td>Appearance</td>
<td>liquid</td>
</tr>
<tr>
<td>Colour</td>
<td>various</td>
</tr>
<tr>
<td>Odour</td>
<td>characteristic</td>
</tr>
<tr>
<td>Odour Threshold</td>
<td>No data available</td>
</tr>
<tr>
<td>pH</td>
<td>No data available</td>
</tr>
<tr>
<td>Melting point/range / Freezing</td>
<td>No data available</td>
</tr>
<tr>
<td>Boiling point/boiling range</td>
<td>No data available</td>
</tr>
<tr>
<td>Flash point</td>
<td>&gt; 101 °C (&gt; 214 °F)</td>
</tr>
<tr>
<td>Method</td>
<td>closed cup</td>
</tr>
<tr>
<td>Evaporation rate</td>
<td>No data available</td>
</tr>
<tr>
<td>Flammability</td>
<td>No data available</td>
</tr>
<tr>
<td>Upper explosion limit</td>
<td>No data available</td>
</tr>
<tr>
<td>Lower explosion limit</td>
<td>No data available</td>
</tr>
<tr>
<td>Vapour pressure</td>
<td>0.01 hPa (0.01 mmHg)</td>
</tr>
<tr>
<td>Relative vapour density</td>
<td>No data available</td>
</tr>
<tr>
<td>Density</td>
<td>ca. 1.68 g/cm³ (20 °C (68 °F) (jj))</td>
</tr>
<tr>
<td>Solubility(ies)</td>
<td></td>
</tr>
<tr>
<td>Water solubility</td>
<td>insoluble</td>
</tr>
<tr>
<td>Partition coefficient: n-octanol/water</td>
<td>No data available</td>
</tr>
</tbody>
</table>
Auto-ignition temperature : No data available
Decomposition temperature : No data available
Viscosity
  Viscosity, dynamic : No data available
  Viscosity, kinematic : > 20.5 mm²/s (40 °C)
Molecular weight : No data available

SECTION 10: Stability and reactivity
Reactivity : No dangerous reaction known under conditions of normal use.
Chemical stability : The product is chemically stable.
Possibility of hazardous reactions : Stable under recommended storage conditions.
Conditions to avoid : No data available
Incompatible materials : No data available
Hazardous decomposition products : No decomposition if stored and applied as directed.

SECTION 11: Toxicological information
Information on likely routes of exposure : None known.

Acute toxicity
Not classified based on available information.

Components:
reaction product: bisphenol-A-(epichlorhydrin) and epoxy resin (number average molecular weight <= 700):
  Acute oral toxicity : LD50 Oral (Rat): > 5,000 mg/kg
  Acute dermal toxicity : LD50 Dermal (Rabbit): > 20,000 mg/kg

p-tert-butylphenyl 1-(2,3-epoxy)propyl ether:
  Acute oral toxicity : LD50 Oral (Rat): > 5,000 mg/kg
  Acute inhalation toxicity : LC50 (Rat): 3,466 mg/l
  Exposure time: 4 h
  Acute dermal toxicity : LD50 Dermal (Rabbit): 6,000 mg/kg

benzyl alcohol:
  Acute oral toxicity : LD50 Oral (Rat): 1,620 mg/kg
Acute inhalation toxicity:
- LC50 (Rat): > 4.178 mg/l
- Exposure time: 4 h
- Test atmosphere: dust/mist

Skin corrosion/irritation
Causes skin irritation.

Serious eye damage/eye irritation
Causes serious eye irritation.

Respiratory or skin sensitisation
Skin sensitisation: May cause an allergic skin reaction.
Respiratory sensitisation: Not classified based on available information.

Germ cell mutagenicity
Not classified based on available information.

Carcinogenicity
Not classified based on available information.

Reproductive toxicity
Not classified based on available information.

STOT - single exposure
Not classified based on available information.

STOT - repeated exposure
Not classified based on available information.

Aspiration toxicity
Not classified based on available information.

SECTION 12: Ecological information

Ecotoxicity

Components:
reaction product: bisphenol-A-(epichlorhydrin) and epoxy resin (number average molecular weight <= 700):
- Toxicity to fish: LC50 (Oncorhynchus mykiss (rainbow trout)): 2 mg/l
  Exposure time: 96 h
- Toxicity to daphnia and other aquatic invertebrates: EC50 (Daphnia magna (Water flea)): 1.8 mg/l
  Exposure time: 48 h
- benzyl alcohol:
  - Toxicity to fish: LC50 (Fish): > 100 mg/l
    Exposure time: 96 h
  - Toxicity to daphnia and other aquatic invertebrates: EC50 (Daphnia magna (Water flea)): > 100 mg/l
    Exposure time: 48 h

Persistence and degradability
No data available
Bioaccumulative potential
No data available

Mobility in soil
No data available

Other adverse effects

Product:
Additional ecological information: An environmental hazard cannot be excluded in the event of unprofessional handling or disposal.
Toxic to aquatic life with long lasting effects.

SECTION 13: Disposal information

Disposal methods
Waste from residues: The product should not be allowed to enter drains, water courses or the soil.
Do not contaminate ponds, waterways or ditches with chemical or used container.
Send to a licensed waste management company.

Contaminated packaging: Empty remaining contents.
Dispose of as unused product.
Do not re-use empty containers.

SECTION 14: Transport information

International Regulation

UNRTDG
UN number: UN 3082
Proper shipping name: ENVIRONMENTALLY HAZARDOUS SUBSTANCE, LIQUID, N.O.S.
(epoxy resin)
Class: 9
Packing group: III
Labels: 9

IATA-DGR
UN/ID No.: UN 3082
Proper shipping name: Environmentally hazardous substance, liquid, n.o.s.
(epoxy resin)
Class: 9
Packing group: III
Labels: 9
Packing instruction (cargo aircraft): 964
Packing instruction (passenger aircraft): 964

IMDG-Code
UN number: UN 3082
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Proper shipping name : ENVIRONMENTALLY HAZARDOUS SUBSTANCE, LIQUID, N.O.S. (epoxy resin)
Class : 9
Packing group : III
Labels : 9
EmS Code : F-A, S-F
Marine pollutant : yes

Transport in bulk according to Annex II of MARPOL 73/78 and the IBC Code
Not applicable for product as supplied.

SECTION 15: Regulatory information

Safety, health, and environmental regulations specific for the hazardous chemical
International Chemical Weapons Convention (CWC) : Not applicable
Schedules of Toxic Chemicals and Precursors
Occupational Safety and Health (Classification, Labelling and Safety Data Sheet of Hazardous Chemicals) Regulations 2013.

SECTION 16: Other information

Date format : dd.mm.yyyy

The information contained in this Safety Data Sheet corresponds to our level of knowledge at the time of publication. All warranties are excluded. Our most current General Sales Conditions shall apply. Please consult the product data sheet prior to any use and processing.

Changes as compared to previous version!