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

Product name: Sikadur®-43 HS Part A
Product code: 000000611192
Type of product: liquid

Manufacturer or supplier’s details
Lot 689 Nilai Industrial Estate
71800 Nilai
Telephone: +60 6799 1762
Telefax: +60 6799 1980
E-mail address: EHS@my.sika.com
Emergency telephone number: -
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
Carcinogenicity: Category 2
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.
H319 Causes serious eye irritation.
H351 Suspected of causing cancer.
H411 Toxic to aquatic life with long lasting effects.
Precautionary statements:

**Prevention:**
- P201 Obtain special instructions before use.
- P261 Avoid breathing dust/ fume/ gas/ mist/ vapours/ spray.
- P273 Avoid release to the environment.
- P280 Wear protective gloves/ eye protection/ face protection.
- P281 Use personal protective equipment as required.

**Response:**
- P308 + P313 IF exposed or concerned: 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;= 60 - &lt;= 100</td>
</tr>
<tr>
<td>oxirane, mono[(C12-14-alkyloxy)methyl]derivs</td>
<td>68609-97-2</td>
<td>&gt;= 3 - &lt; 5</td>
</tr>
<tr>
<td>Hydrocarbons, C10-C13, aromatic, &gt;1% Naphthalene</td>
<td>64742-94-5</td>
<td>&gt;= 1 - &lt; 2.5</td>
</tr>
<tr>
<td>Naphthalene</td>
<td>91-20-3</td>
<td>&gt;= 0.025 - &lt; 0.25</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 and effects, both acute and sensitivity effects**

irritant effects
delayed

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.
Suspected of causing cancer.

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:

- Store in original container.
- 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.
- Observe label precautions.
- Store in accordance with local regulations.

SECTION 8: Exposure controls and personal protection

**Control parameters**

<table>
<thead>
<tr>
<th>Components</th>
<th>CAS-No.</th>
<th>Value type (Form of exposure)</th>
<th>Control parameters / Permissible concentration</th>
<th>Basis</th>
</tr>
</thead>
<tbody>
<tr>
<td>naphthalene</td>
<td>91-20-3</td>
<td>TWA</td>
<td>10 ppm 52 mg/m³</td>
<td></td>
</tr>
<tr>
<td></td>
<td></td>
<td>TWA</td>
<td>10 ppm</td>
<td></td>
</tr>
</tbody>
</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.

SECTION 9: Physical and chemical properties

Appearance : liquid
Colour : clear
Odour : characteristic
Odour Threshold : No data available
pH : No data available
Melting point/range / Freezing point : No data available
Flash point : Not applicable
Evaporation rate : No data available
Flammability : No data available
Upper explosion limit : No data available
Lower explosion limit : No data available
Vapour pressure : Not applicable
Relative vapour density : No data available
Density : 1.16 g/cm³ (20 °C (68 °F) ())
Solubility(ies)
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

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):

<table>
<thead>
<tr>
<th>Acute oral toxicity</th>
<th>LD50 Oral (Rat): &gt; 5,000 mg/kg</th>
</tr>
</thead>
<tbody>
<tr>
<td>Acute dermal toxicity</td>
<td>LD50 Dermal (Rabbit): &gt; 20,000 mg/kg</td>
</tr>
</tbody>
</table>

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**  
Suspected of causing cancer.

**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.

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**SECTION 12: Ecological information**

**Ecotoxicity**

**Components:**  
reaction product: bisphenol-A-(epichlorhydrin) and epoxy resin (number average molecular weight <= 700):

<table>
<thead>
<tr>
<th>Toxicity to fish</th>
<th>Toxicity to daphnia and other aquatic invertebrates</th>
</tr>
</thead>
<tbody>
<tr>
<td>:</td>
<td>:</td>
</tr>
<tr>
<td>LC50 (Oncorhynchus mykiss (rainbow trout)): 2 mg/l</td>
<td>EC50 (Daphnia magna (Water flea)): 1.8 mg/l</td>
</tr>
<tr>
<td>Exposure time: 96 h</td>
<td>Exposure time: 48 h</td>
</tr>
</tbody>
</table>

**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 Regulations
UNRTDG
Not dangerous goods
IATA-DGR
Not dangerous goods
IMDG-Code
Not dangerous goods

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
Occupational Safety and Health (Classification, Labelling and Safety Data Sheet of Hazardous Chemicals) Regulations 2013.
International Chemical Weapons Convention (CWC): Not applicable
Schedules of Toxic Chemicals and Precursors

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!