SECTION 1: Identification of the substance/mixture and of the company/undertaking

1.1 Product identifier
  Trade name: Sikadur®-42 HE / -43 HE Part A

1.2 Relevant identified uses of the substance or mixture and uses advised against

1.3 Details of the supplier of the safety data sheet
  Company: Sika Limited
  Watchmead
  Welwyn Garden City
  Hertfordshire AL7 1BQ
  United Kingdom
  Telephone: +44 (0)1707 394444

1.4 Emergency telephone number
  Emergency telephone number: +44 (0)1707 363899 (available during office hours)

SECTION 2: Hazards identification

2.1 Classification of the substance or mixture
  Type of product: Mixture
  Classification (REGULATION (EC) No 1272/2008)
  Skin irritation, Category 2: H315: Causes skin irritation.
  Eye irritation, Category 2: H319: Causes serious eye irritation.
  Skin sensitisation, Category 1: H317: May cause an allergic skin reaction.
  Chronic aquatic toxicity, Category 2: H411: Toxic to aquatic life with long lasting effects.

2.2 Label elements
  Labelling (REGULATION (EC) No 1272/2008)
  Hazard pictograms: ⚠️ 🌿
  Signal word: Warning
  Hazard statements:
  H315: Causes skin irritation.
  H317: May cause an allergic skin reaction.
  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 protective gloves/ eye protection/ face protection.

**Response:**
P333 + P313 If skin irritation or rash occurs: Get medical advice/ attention.
P337 + P313 If eye irritation persists: Get medical advice/ attention.
P391 Collect spillage.

Hazardous components which must be listed on the label:
- 500-033-5 reaction product: bisphenol-A-(epichlorhydrin) and epoxy resin (number average molecular weight <= 700)
- 240-260-4 1,6-bis(2,3-epoxypropoxy)hexane

**Additional Labelling:**
EUH205 Contains epoxy constituents. May produce an allergic reaction.

### 2.3 Other hazards
This substance/mixture contains no components considered to be either persistent, bioaccumulative and toxic (PBT), or very persistent and very bioaccumulative (vPvB) at levels of 0.1% or higher.

### SECTION 3: Composition/information on ingredients

#### 3.2 Mixtures

**Hazardous components**

<table>
<thead>
<tr>
<th>Chemical name and CAS-No.</th>
<th>Classification (REGULATION (EC) No 1272/2008)</th>
<th>Concentration [%]</th>
</tr>
</thead>
<tbody>
<tr>
<td>reaction product: bisphenol-A-(epichlorhydrin) and epoxy resin (number average molecular weight &lt;= 700) 25068-38-6 500-033-5 01-2119456619-26-XXXX</td>
<td>Eye Irrit.2; H319 Skin Irrit.2; H315 Skin Sens.1; H317 Aquatic Chronic2; H411</td>
<td>&gt;= 50 - &lt;= 100</td>
</tr>
<tr>
<td>1,6-bis(2,3-epoxypropoxy)hexane 16096-31-4 618-939-5 240-260-4 01-2119463471-41-XXXX</td>
<td>Skin Irrit.2; H315 Eye Irrit.2; H319 Skin Sens.1; H317 Aquatic Chronic3; H412</td>
<td>&gt;= 25 - &lt; 50</td>
</tr>
<tr>
<td>Hydrocarbons, C9, aromatics 128601-23-0 918-668-5 265-199-0 01-2119455851-35-XXXX [corresponding group CAS Flam. Liq.3; H226 STOT SE3; H335, H336 Asp. Tox.1; H304 Aquatic Chronic2;</td>
<td></td>
<td>&gt;= 0,25 - &lt; 1</td>
</tr>
</tbody>
</table>
SECTION 4: First aid measures

4.1 Description of 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 induce vomiting.
Do not give milk or alcoholic beverages.
Never give anything by mouth to an unconscious person.
Obtain medical attention.

4.2 Most important symptoms and effects, both acute and delayed

Symptoms : Allergic reactions
Excessive lachrymation
Erythema
Dermatitis
See Section 11 for more detailed information on health effects and symptoms.

Risks : irritant effects
sensitising effects

Causes skin irritation.
May cause an allergic skin reaction.
Causes serious eye irritation.

4.3 Indication of any immediate medical attention and special treatment needed

Treatment : Treat symptomatically.
SECTION 5: Firefighting measures

5.1 Extinguishing media

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

5.2 Special hazards arising from the substance or mixture

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

5.3 Advice for firefighters

Special protective equipment for firefighters : In the event of fire, wear self-contained breathing apparatus.

Further information : 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

6.1 Personal precautions, protective equipment and emergency procedures

Personal precautions : Use personal protective equipment.
Deny access to unprotected persons.

6.2 Environmental precautions

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

6.3 Methods and materials for containment and cleaning up

Methods for 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.

6.4 Reference to other sections

For personal protection see section 8.
SECTION 7: Handling and storage

7.1 Precautions for safe handling
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.

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

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.

7.2 Conditions for safe storage, including any incompatibilities
Requirements for storage areas and containers: Keep container tightly closed in a dry and well-ventilated place. Containers which are opened must be carefully re-sealed and kept upright to prevent leakage. Store in accordance with local regulations.

Other data: No decomposition if stored and applied as directed.

7.3 Specific end use(s)
Specific use(s): No data available

SECTION 8: Exposure controls/personal protection

8.1 Control parameters
Contains no substances with occupational exposure limit values.

8.2 Exposure controls

Personal protective equipment
Eye protection: Safety glasses with side-shields
Eye wash bottle with pure water

Hand protection: Chemical-resistant, impervious gloves complying with an ap-
proved standard must be worn at all times when handling chemical products. Reference number EN 374. Follow manufacturer specifications.

Suitable for short time use or protection against splashes:
Butyl rubber/nitrile rubber gloves (0,4 mm),
Contaminated gloves should be removed.
Suitable for permanent exposure:
Viton gloves (0.4 mm),
breakthrough time >30 min.

Skin and body protection: Protective clothing (e.g. Safety shoes acc. to EN ISO 20345, long-sleeved working clothing, long trousers). Rubber aprons and protective boots are additionally recommended for mixing and stirring work.

Respiratory protection: No special measures required.

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

SECTION 9: Physical and chemical properties

9.1 Information on basic physical and chemical properties
Appearance: liquid
Colour: colourless
Odour: characteristic
Odour Threshold: No data available
Flash point: Not applicable
Autoignition temperature: No data available
Lower explosion limit (Vol-%): No data available
Upper explosion limit (Vol-%): No data available
Flammability: No data available
Oxidizing properties: No data available
pH: ca. 6,8
9.2 Other information
No data available

SECTION 10: Stability and reactivity

10.1 Reactivity
No dangerous reaction known under conditions of normal use.

10.2 Chemical stability
The product is chemically stable.

10.3 Possibility of hazardous reactions
Hazardous reactions : Stable under recommended storage conditions.

10.4 Conditions to avoid
Conditions to avoid : No data available

10.5 Incompatible materials
Materials to avoid : No data available

10.6 Hazardous decomposition products
SECTION 11: Toxicological information

11.1 Information on toxicological effects

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

1,6-bis(2,3-epoxypropoxy)hexane:
Acute oral toxicity: LD50 Oral (Rat): 2.900 mg/kg
Acute dermal toxicity: LD50 Dermal (Rabbit): > 2.000 mg/kg

Hydrocarbons, C9, aromatics:
Acute oral toxicity: LD50 Oral (Rat): > 2.000 mg/kg
Acute dermal toxicity: LD50 Dermal (Rabbit): > 2.000 mg/kg

Skin corrosion/irritation
Causes skin irritation.

Product:
Remarks: Causes skin irritation.

Serious eye damage/eye irritation
Causes serious eye irritation.

Product:
Remarks: Causes serious eye irritation.

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

Product:
Remarks: May cause an allergic skin reaction.

Germ cell mutagenicity
Not classified based on available information.

Product:
Germ cell mutagenicity- Assessment: No data available
Carcinogenicity
Not classified based on available information.

**Product:**
Carcinogenicity - Assessment : No data available

Reproductive toxicity
Not classified based on available information.

**Product:**
Reproductive toxicity - Assessment : No data available

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**

12.1 Toxicity

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

Toxicity to fish : LC50: 2 mg/l, 96 h, Oncorhynchus mykiss (rainbow trout)

Toxicity to daphnia and other aquatic invertebrates : EC50: 1,8 mg/l, 48 h, Daphnia magna (Water flea)

**Hydrocarbons, C9, aromatics :**

Toxicity to algae : 2,6 - 2,9 mg/l, 72 h, Pseudokirchneriella subcapitata (green algae)

12.2 Persistence and degradability
No data available

12.3 Bioaccumulative potential
No data available

12.4 Mobility in soil

Country GB  000000020677
No data available

12.5 Results of PBT and vPvB assessment

Product: 
Assessment: This substance/mixture contains no components considered to be either persistent, bioaccumulative and toxic (PBT), or very persistent and very bioaccumulative (vPvB) at levels of 0.1% or higher.

12.6 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 considerations

13.1 Waste treatment methods

Product: The generation of waste should be avoided or minimized wherever possible. Empty containers or liners may retain some product residues. This material and its container must be disposed of in a safe way. Dispose of surplus and non-recyclable products via a licensed waste disposal contractor. Disposal of this product, solutions and any by-products should at all times comply with the requirements of environmental protection and waste disposal legislation and any regional local authority requirements. Avoid dispersal of spilled material and runoff and contact with soil, waterways, drains and sewers.

European Waste Catalogue: 08 04 09* waste adhesives and sealants containing organic solvents or other dangerous substances

Contaminated packaging: 15 01 10* packaging containing residues of or contaminated by dangerous substances

SECTION 14: Transport information

ADR
14.1 UN number: 3082
14.2 Description of the goods: ENVIRONMENTALLY HAZARDOUS SUBSTANCE, LIQUID, N.O.S.
SAFETY DATA SHEET
according to Regulation (EC) No. 1907/2006
Sikadur®-42 HE / -43 HE Part A

Revision Date 20.05.2016 Version 2.1 Print Date 22.08.2016

14.3 Class: 9
14.4 Packing group: III
Classification Code: M6
Labels: 9
Tunnel restriction code: (E)
14.5 Environmentally hazardous: yes

IATA
14.1 UN number: 3082
14.2 Description of the goods: Environmentally hazardous substance, liquid, n.o.s.
(epoxy resin)
14.3 Class: 9
14.4 Packing group: III
Labels: 9
14.5 Environmentally hazardous: yes

IMDG
14.1 UN number: 3082
14.2 Description of the goods: ENVIRONMENTALLY HAZARDOUS SUBSTANCE, LIQUID,
N.O.S. (epoxy resin)
14.3 Class: 9
14.4 Packing group: III
Labels: 9
EmS Number 1: F-A
EmS Number 2: S-F
14.5 Marine pollutant: yes

14.6 Special precautions for user
No data available

14.7 Transport in bulk according to Annex II of MARPOL 73/78 and the IBC Code
Not applicable

SECTION 15: Regulatory information

15.1 Safety, health and environmental regulations/legislation specific for the substance or mixture
Prohibition/Restriction
REACH - Restrictions on the manufacture, placing on the market and use of certain dangerous substances, preparations and articles (Annex XVII): Not applicable
REACH - Candidate List of Substances of Very High Concern for Authorisation (Article 59): None of the components are listed (=> 0.1 %).
REACH - List of substances subject to authorisation: Not applicable
(Annex XIV)

REACH Information: All substances contained in our Products are
- preregistered or registered by our upstream suppliers, and/or
- preregistered or registered by us, and/or
- excluded from the regulation, and/or
- exempted from the registration.

VOC-CH (VOCV) : 0,28 %
no VOC duties

VOC-EU (solvent) : 0,28 %

If other regulatory information applies that is not already provided elsewhere in the Safety Data Sheet, then it is described in this subsection.

Health, safety and environmental regulation/legislation specific for the substance or mixture:
- The Chemicals (Hazard Information and Packaging for Supply) Regulations 2002
- Control of Substances Hazardous to Health Regulations 2002
- The Management of Health and Safety at Work Regulations 1999
- Health and Safety at Work Act 1974
- Environmental Protection Act 1990 & Subsidiary Regulations

15.2 Chemical safety assessment

This product contains substances for which Chemical Safety Assessments are still required.

SECTION 16: Other information

Full text of H-Statements

H226 Flammable liquid and vapour.
H304 May be fatal if swallowed and enters airways.
H315 Causes skin irritation.
H317 May cause an allergic skin reaction.
H319 Causes serious eye irritation.
H335 May cause respiratory irritation.
H336 May cause drowsiness or dizziness.
H411 Toxic to aquatic life with long lasting effects.
H412 Harmful to aquatic life with long lasting effects.

Full text of other abbreviations

Aquatic Chronic Chronic aquatic toxicity
Asp. Tox. Aspiration hazard
Eye Irrit. Eye irritation
Flam. Liq. Flammable liquids
Skin Irrit. Skin irritation
Skin Sens. Skin sensitisation
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!