

**1. PRODUCT AND COMPANY IDENTIFICATION**

|                              |  |
|------------------------------|--|
| <b>Product Code</b>          | SKFXHP1  |
| <b>Product Name</b>          | Sikaflex HP1   |
| <b>Product Description</b>   | One component moisture curing polyurethane sealant.  |
| <b>Manufacturer/Supplier</b> | Sika Limited<br>Watchmead<br>Welwyn Garden City<br>Hertfordshire.<br>AL7 1BQ<br>tel. 01707 394444<br>Fax. 01707 329129 |

**2. COMPOSITION/INFORMATION ON THE COMPONENTS****Preparation - Hazardous ingredients ( Europe )**

| Component                                      | CAS/EINECS | Concentration   | Classification | Risk Phrases                      |
|--|------------|-----------------|----------------|-----------------------------------|
| 1,2-Benzenedicarboxylic acid, diisodecyl ester | 68515-49-1 | 25.00% - 50.00% | -              | -                                 |
| Isophorondiisocyanate                          | 4098-71-9  | 0.10% - 1.00%   | T, N           | R23, R36/37/38,<br>R42/43, R51/53 |
| Naphtha (Petroleum)Hydrosulphurised Heavy      | 64742-82-1 | 0.10% - 1.00%   | Xn, N          | R10, R51/53, R65,<br>R66, R67     |
| N,N-Dibenzylidene polyoxypropylene diamine     |            | 1.00% - 2.50%   | C              | R34                               |

**3. HAZARD IDENTIFICATION**

**Main Hazards** Not classified as hazardous.

**4. FIRST AID MEASURES**

|                     |  |
|---------------------|--|
| <b>Eye Contact</b>  | Immediately flood the eye with plenty of water for at least 15 minutes, holding the eye open.<br>Obtain medical attention urgently.  |
| <b>Skin Contact</b> | Wipe off as much as possible with a clean dry cloth.<br>If material proves difficult to remove, use suitable skin cleanser (not solvent).<br>Wash skin thoroughly with soap and water.<br>Solvents should not be used to clean skin because they may increase the penetration of the material.<br>Contaminated clothing should be washed or dry-cleaned before re-use. |
| <b>Ingestion</b>    | Do not induce vomiting. Wash out mouth with water.<br>Obtain medical attention.  |
| <b>Inhalation</b>   | Unlikely to occur.However provide symptomatic medical treatment if required.   |

**5. FIRE FIGHTING MEASURES**

|   |   |
|---|---|
| <b>Extinguishing Media</b>                    | Use water spray, foam, dry chemical or carbon dioxide.                  |
| <b>Special Hazards of Product</b>             | Combustion will release oxides of carbon and nitrogen with possible HCl |
| <b>Protective Equipment for Fire-Fighting</b> | Wear full protective clothing and self-contained breathing apparatus.   |

**6. ACCIDENTAL RELEASE MEASURES**

|   |  |
|---|--|
| <i>Personal Precautions</i>                           | Wear appropriate protective clothing.  |
| <i>Environmental Precautions and Clean-up Methods</i> | Try to prevent the material from entering drains or water courses.   |
| <i>Spillages</i>                                      | Remove spilled/leaked product by scraping from surfaces. Allow to solidify normally. Clean surfaces with a suitable solvent. |

**7. HANDLING AND STORAGE**

|                 |   |
|-----------------|---|
| <i>Handling</i> | Exposure by inhalation or skin contact should be minimised by good Industrial Hygiene practices.<br>Avoid contact with eyes, skin and clothing.<br>Use in well ventilated area. |
| <i>Storage</i>  | Storage area should be: cool. dry.<br>Storage temperature should be controlled to between 5 and 25 °C.  |

**8. EXPOSURE CONTROLS/PERSONAL PROTECTION****Occupational Exposure Limits - GB**

|  |  |
|--|--|
| Isophorondiisocyanate                          | UK EH40: MEL 0.02mg/m <sup>3</sup> 8h TWA.<br>UK EH40: MEL 0.07mg/m <sup>3</sup> 15min STEL. |
| 1,2-Benzenedicarboxylic acid, diisodecyl ester | UK EH40: OES 5mg/m <sup>3</sup> 8h TWA.  |

|                                     |  |
|-------------------------------------|--|
| <i>Engineering Control Measures</i> | Use of the basic principles of Industrial Hygiene will enable this material to be used safely.                               |
| <i>Respiratory Protection</i>       | Respiratory protection not normally required.<br>If limits are exceeded use an approved respirator suitable for the purpose. |
| <i>Hand Protection</i>              | Wear suitable impervious gloves.<br>The insides of gloves must be kept scrupulously clean.                                   |
| <i>Eye Protection</i>               | Wear safety glasses if risks of accidental contamination are possible during application.                                    |

**9. PHYSICAL AND CHEMICAL PROPERTIES**

|                                   |                        |
|-----------------------------------|------------------------|
| <i>Physical State</i>             | Paste.                 |
| <i>Color</i>                      | Various                |
| <i>Odor</i>                       | Characteristic.        |
| <i>Flash Point °C</i>             | Approx. 65             |
| <i>Solubility - Water</i>         | Insoluble.             |
| <i>Density (kg/m<sup>3</sup>)</i> | Approx. 1240 at 20 °C. |
| <i>Viscosity (at 20°C)</i>        | Thixotropic paste      |

**10. STABILITY AND REACTIVITY**

|   |  |
|---|--|
| <i>Stability</i>                        | Stable under normal conditions.  |
| <i>Conditions to avoid</i>              | Exposure to water or moisture.   |
| <i>Hazardous Decomposition Products</i> | Reaction with water or moist air may produce: carbon dioxide formation resulting in pressure increase in bulk containers (risk of bursting).<br><br>Combustion will generate: oxides of carbon. oxides of nitrogen. hydrogen chloride. toxic nitrogen compounds. acrid smoke and irritating fumes. |

**11. TOXICOLOGICAL INFORMATION**

|                             |   |
|-----------------------------|---|
| <i>Acute toxicity</i>       | Low order of acute toxicity.  |
| <i>Skin irritation</i>      | Frequent or prolonged skin contact may cause some local short term skin irritation.                     |
| <i>Sensitization - Skin</i> | The possibility of allergic sensitisation should be considered.   |
| <i>Teratogenic effects</i>  | Hypersensitive persons may develop asthmatic symptoms and should refrain from working with the product. |

**12. ECOLOGICAL INFORMATION**

|                    |  |
|--------------------|--|
| <i>Mobility</i>    | Because of its high viscosity, low water solubility and low degree of toxicity, this material should not present any environmental problems. |
| <i>Ecotoxicity</i> | The product is expected to be non-hazardous to aquatic species.  |

**13. DISPOSAL**

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|-------------------------|--|
| <i>Product Disposal</i> | If possible allow the product to cure naturally in open air. When cured the product may be landfilled.<br>Disposal of bulk quantities and/or containers should be made through an authorised waste contractor. |
|-------------------------|--|

**14. TRANSPORT INFORMATION**

|                                    |                             |
|------------------------------------|-----------------------------|
| <i>ADR/RID : Number</i>            | Not Regulated under ADR/RID |
| <i>IMDG : Proper shipping name</i> | Not Regulated under IMDG    |
| <i>IATA : Proper shipping name</i> | Not Regulated under ICAO    |

**15. REGULATORY INFORMATION**

|                       |  |
|-----------------------|--|
| <i>Risk Phrases</i>   | None assigned.   |
| <i>Safety Phrases</i> | Contains isocyanates. See information supplied by the manufacturer.<br><br>Contains: 3-isocyanatomethyl-3,5,5-trimethylcyclohexyl isocyanate<br>May produce an allergic reaction |

**16. OTHER INFORMATION**

|                              |  |
|------------------------------|--|
| <i>First Issue Date</i>      | 19.08.1997   |
| <i>Revisions Highlighted</i> | Composition / information on ingredients   |
| <i>Uses and Restrictions</i> | Customers are urged to ensure that the product is entirely suitable for their own purpose. It is the customer's responsibility to ensure that a suitable and sufficient assessment of the risks created by the use of the product is undertaken. |



## SAFETY DATA SHEET

### Sikaflex HP1

Date of issue - 14/03/2003.

SKFXHP1

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#### ***UK Legislation***

Health and Safety at Work etc Act, 1974, and relevant Statutory Provisions.  
Chemicals (Hazard Information and Packaging) Regulations, 2002.  
SI 1999/437: The Control of Substances Hazardous to Health Regulations  
SI No 2839 1991 Environmental Protection (Duty of Care) Regulations.

#### ***UK Guidance Publications***

EH40, Occupational Exposure Limits, HSE. Revised Annually.  
General Approved Code of Practice to COSHH Regulations, HSE.

#### ***Footnote***

The information contained in this SDS 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 Technical Data Sheet prior to use.