

**PRODUCT AND COMPANY IDENTIFICATION**

Product Code	SKFX1AP
Product Name	Sikaflex-1A Plus
Product Description	One component moisture curing polyurethane based adhesive/sealant.
Manufacturer/Supplier	Sika Limited Watchmead Welwyn Garden City Hertfordshire. AL7 1BQ tel. 01707 394444 Fax. 01707 329129

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

Component	Concentration	Classification	Risk Phrases
1) Naptha (Petroleum)Hydrosulphurised Heavy	1.00%-2.50%	Xn, N	R10, ., R65, ., R51/53
2) Isophorondiisocyanate	0.10%-1.00%	T	R23, R36/37/38, R42/43
3) N,N-Dibenzylidene polyoxypropylene diamine	1.00%-2.50%	C	R34

HAZARD IDENTIFICATION

Main Hazards Not classified as hazardous.

FIRST AID MEASURES

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

FIRE FIGHTING MEASURES

Extinguishing Media	Use water spray, foam, dry chemical or carbon dioxide.
Special Hazards of Product	Thermal decomposition or burning may release oxides of carbon, nitrogen and other toxic gases and vapours. See also Section 10.
Protective Equipment for Fire-Fighting	Wear full protective clothing and self-contained breathing apparatus.

**ACCIDENTAL RELEASE MEASURES****Personal Precautions**

Wear appropriate protective clothing.

**Environmental Precautions and
Clean-up Methods
Spillages**

Try to prevent the material from entering drains or water courses.

Remove spilled/leaked product by scraping from surfaces. Allow to solidify normally. Clean surfaces with a suitable solvent.

HANDLING AND STORAGE**Handling**

Exposure by inhalation or skin contact should be minimised by good Industrial Hygiene practices.

Storage

Use in well ventilated area. Avoid contact with eyes, skin and clothing. Storage area should be: cool. dry. Storage temperature should be controlled to between 5 and 25 °C.

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

1) Isophorondiisocyanate

UK EH40: MEL 0.02mg/m³ 8h TWA.

2) N,N-Dibenzylidene polyoxypropylene diamine

UK EH40: MEL 0.07mg/m³ 15min STEL.

None assigned.

Engineering Control Measures

Use of the basic principles of Industrial Hygiene will enable this material to be used safely.

Respiratory Protection

Respiratory protection not normally required.

Hand Protection

Wear suitable impervious gloves.

Eye Protection

The insides of gloves must be kept scrupulously clean.

Wear safety glasses if risks of accidental contamination are possible during application.

PHYSICAL AND CHEMICAL PROPERTIES**Physical State**

Paste.

Color

Various

Odor

Characteristic.

pH

Not applicable.

Flash Point °C

Exceeds 65.

Solubility - Water

Insoluble.

Vapor Pressure (kPa)

Negligible vapour pressure at ambient conditions.

Density (kg/m³)

Approx. 1200 at 20 °C.

Viscosity (at 20°C)

Thixotropic paste

STABILITY AND REACTIVITY**Stability**

Stable under normal conditions.

Conditions to avoid

Exposure to water or moisture.

Materials to avoid

Amines. Alcohols.

Hazardous Decomposition Products

Reaction with water or moist air may produce: carbon dioxide formation resulting in pressure increase in bulk containers (risk of bursting). Combustion will generate: oxides of carbon. oxides of nitrogen. hydrogen chloride. toxic nitrogen compounds. acrid smoke and irritating fumes.

**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>Human Data</i>	Hypersensitive persons may develop asthmatic symptoms and should refrain from working with the product.

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.

DISPOSAL

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

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

REGULATORY INFORMATION

<i>Risk Phrases</i>	None assigned.
<i>Safety Phrases</i>	Contains isocyanates. See information supplied by the manufacturer.

OTHER INFORMATION

<i>First Issue Date</i>	07.07.2000
<i>Revisions Highlighted</i>	Composition/Information on the Components
<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.
<i>UK Legislation</i>	Health and Safety at Work etc Act, 1974, and relevant Statutory Provisions. SI 1993/1746: Chemicals (Hazard Information and Packaging) Regulations, 1993. SI 1999/437: The Control of Substances Hazardous to Health Regulations SI No 2839 1991 Environmental Protection (Duty of Care) Regulations.
<i>UK Guidance Publications</i>	General Approved Code of Practice to COSHH Regulations, HSE. EH40, Occupational Exposure Limits, HSE. Revised Annually.



SAFETY DATA SHEET

Sikaflex-1A Plus

Date of issue - 22/03/2001.

SKFX1AP

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.