

**PRODUCT AND COMPANY IDENTIFICATION**

<b>Product Code</b>	SIKBDTF
<b>Product Name</b>	SikaBond-TF Plus
<b>Product Description</b>	One component moisture curing polyurethane based adhesive/sealant.
<b>Manufacturer/Supplier</b>	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) Xylene	1330-20-7	2.50% - 10.00%	Xn	R10, R20/21, R38
2) Ethyl benzene	100-41-4	1.00% - 2.50%	F, Xn	R11, R20
3) 4, 4- methylenediphenyl diisocyanate	101-68-8	0.10% - 1.00%	Xn	R20, R36/37/38, R42/43
4) Benzyl butyl phthalate	85-68-7	10.00% - 25.00%	-	-
5) 1,2-Benzenedicarboxylic acid, diisodecyl ester	68515-49-1	10.00% - 25.00%	-	-

**HAZARD IDENTIFICATION**

**Main Hazards** May cause sensitisation by inhalation.

**FIRST AID MEASURES**

<b>Eye Contact</b>	Wash out eye with plenty of water. Obtain medical attention urgently.
<b>Skin Contact</b>	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.
<b>Ingestion</b>	Do not induce vomiting. Wash out mouth with water. Obtain medical attention.
<b>Inhalation</b>	Unlikely to occur.However provide symptomatic medical treatment if required.

**FIRE FIGHTING MEASURES**

<b>Extinguishing Media</b>	Not combustible. 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.

**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**Use in well ventilated area.  
Avoid contact with eyes, skin and clothing.**Storage**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) Xylene	UK EH40: OES 50ppm (220mg/m <sup>3</sup> ) 8h TWA.
2) Ethyl benzene	UK EH40: OES 100ppm (441mg/m <sup>3</sup> ) 15min STEL UK EH40: OES 100ppm (441mg/m <sup>3</sup> ) 8h TWA.
3) 4, 4'-methylenediphenyl diisocyanate	UK EH40: OES 125ppm (552mg/m <sup>3</sup> ) 15min STEL UK EH 40: MEL 0.02 mg/M <sup>3</sup> 8 hour TWA UK EH 40: MEL 0.07 mg/M <sup>3</sup> 15 Min STEL
4) 1,2-Benzenedicarboxylic acid, diisodecyl ester	UK EH40: OES 5mg/m <sup>3</sup> 8h TWA.
5) Benzyl butyl phthalate	UK EH40: OES 5mg/m <sup>3</sup> 8h TWA.

**Engineering Control Measures**Exposure should be kept as low as reasonably practicable by the application of hygiene principles and appropriate techniques.  
Use of the basic principles of Industrial Hygiene will enable this material to be used safely.**Respiratory Protection**

If limits are exceeded use an approved respirator suitable for the purpose.

**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**

Black.

**Odor**

Characteristic.

**pH**

Not applicable.

**Flash Point °C**

Exceeds 65.

**Solubility - Water**

Insoluble.

**Vapor Pressure ( kPa )**

Negligible vapour pressure at ambient conditions.

**Density (kg/m<sup>3</sup>)**

Approx. 1100 at 20 °C.

**Viscosity ( at 20°C )**

Viscous liquid at ambient temperatures.

**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). Combustion will generate: oxides of carbon, oxides of nitrogen, hydrogen chloride, toxic nitrogen compounds, acid 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>	Dispose of as Special Waste. Disposal of bulk quantities and/or containers should be made through an authorised waste contractor.
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**TRANSPORT INFORMATION**

<i>UN :</i>	<i>UN number</i>	3077
<i>ADR/RID</i>	<i>Substance Identification Number</i>	Not Regulated under ADR/ RID
<i>IMDG :</i>	<i>Proper shipping name</i>	Environmentally hazardous substance, solid, N.O.S. contains Benzyl butyl phthalate
<i>IMDG :</i>	<i>Packing Group</i>	3
<i>IMDG :</i>	<i>Class</i>	9
<i>IMDG :</i>	<i>Marine Pollutant</i>	P
<i>IATA :</i>	<i>Proper shipping name</i>	Not Regulated under ICAO

**REGULATORY INFORMATION**

<i>Label Requirements</i>	Harmful
	
<i>Risk Phrases</i>	May cause sensitisation by inhalation.

**SAFETY DATA SHEET****SikaBond-TF Plus**

Date of issue - 01/07/2002.

SIKBDTF

**Safety Phrases**

Do not breathe gas/fumes/vapor/spray  
In case of accident or if you feel unwell, seek medical advice  
immediately (show the label where possible).

Contains isocyanates. See information supplied by the manufacturer.

**OTHER INFORMATION****First Issue Date**

20.03.2000

**Revisions Highlighted**

Exposure Controls and Personal Protection  
Disposal.

S phrases

**Uses and Restrictions**

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.

**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**

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

**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.