

# Safety Data Sheet

Conforms to Regulation (EC) No. 1907/2006 (REACH), Annex II - United Kingdom (UK)



## 1. Identification of the substance/preparation and of the company/undertaking

### Identification of the substance or preparation

**Product name or Trade name :**

Sikaflex®-11 FC+

**Use of the substance/preparation :** Chemical product for construction and industry

### Company/undertaking identification

**Manufacturer/Distributor :** Sika Limited  
Watchmead Welwyn Garden City  
Hertfordshire. AL7 1BQ  
United Kingdom

**Telephone no. :** 01707 394444

**Fax no. :** 01707 329129

**e-mail address of person responsible for this SDS :** EHS@uk.sika.com

**Emergency telephone number :**

## 2. Hazards identification

The preparation is not classified as dangerous according to Directive 1999/45/EC and its amendments.

**Additional warning phrases :** Contains isocyanates. See information supplied by the manufacturer. Contains 3-isocyanatomethyl-3,5,5-trimethylcyclohexyl isocyanate. May produce an allergic reaction.

See section 11 for more detailed information on health effects and symptoms.

## 3. Composition/information on ingredients

**Chemical family/ Characteristics :** Filled, reactive PUR-polymers

## 4. First aid measures

### First aid measures

**Inhalation :** Get medical attention if symptoms occur.

**Ingestion :** Do not induce vomiting unless directed to do so by medical personnel. Maintain an open airway. Seek immediate medical attention.

**Skin contact :** Wash contaminated skin with soap and water. Remove contaminated clothing and shoes. Get medical attention if symptoms occur.

**Eye contact :** Immediately flush eyes with plenty of water, occasionally lifting the upper and lower eyelids. Check for and remove any contact lenses. Continue to rinse for at least 10 minutes. Get medical attention.

**Notes to physician :** No specific treatment. Treat symptomatically. Contact poison treatment specialist immediately if large quantities have been ingested or inhaled.

See section 11 for more detailed information on health effects and symptoms.

## 5. Fire-fighting measures

### Extinguishing media

- Suitable** : Use dry chemical, CO<sub>2</sub>, water spray (fog) or foam.
- Not suitable** : Do not use water jet.
- Special exposure hazards** : Combustible liquid. In a fire or if heated, a pressure increase will occur and the container may burst, with the risk of a subsequent explosion.
- Hazardous combustion products** : Decomposition products may include the following materials:  
carbon oxides  
halogenated compounds  
metal oxide/oxides
- Special protective equipment for fire-fighters** : Fire-fighters should wear appropriate protective equipment and self-contained breathing apparatus (SCBA) with a full face-piece operated in positive pressure mode.

## 6. Accidental release measures

- Personal precautions** : Keep unnecessary and unprotected personnel from entering. Do not touch or walk through spilled material. Shut off all ignition sources. No flares, smoking or flames in hazard area. Put on appropriate personal protective equipment (see section 8).
- Environmental precautions** : Avoid dispersal of spilled material and runoff and contact with soil, waterways, drains and sewers. Inform the relevant authorities if the product has caused environmental pollution (sewers, waterways, soil or air).
- Large spill** : Stop leak if without risk. Move containers from spill area. Prevent entry into sewers, water courses, basements or confined areas. Wash spillages into an effluent treatment plant or proceed as follows. Contain and collect spillage with non-combustible, absorbent material e.g. sand, earth, vermiculite or diatomaceous earth and place in container for disposal according to local regulations (see section 13). Use spark-proof tools and explosion-proof equipment.
- Small spill** : Stop leak if without risk. Move containers from spill area. Absorb with an inert material and place in an appropriate waste disposal container. Use spark-proof tools and explosion-proof equipment.

## 7. Handling and storage

- Handling** : Put on appropriate personal protective equipment (see section 8). Eating, drinking and smoking should be prohibited in areas where this material is handled, stored and processed. Workers should wash hands and face before eating, drinking and smoking. Avoid contact with eyes, skin and clothing. Use only with adequate ventilation. Wear appropriate respirator when ventilation is inadequate. Do not enter storage areas and confined spaces unless adequately ventilated. Keep in the original container or an approved alternative made from a compatible material, kept tightly closed when not in use. Store and use away from heat, sparks, open flame or any other ignition source. Use explosion-proof electrical (ventilating, lighting and material handling) equipment. Use non-sparking tools. Take precautionary measures against electrostatic discharges. To avoid fire or explosion, dissipate static electricity during transfer by grounding and bonding containers and equipment before transferring material.
- Storage** : Store in accordance with local regulations. Store in a segregated and approved area. Store in original container protected from direct sunlight in a dry, cool and well-ventilated area, away from incompatible materials (see section 10) and food and drink. Eliminate all ignition sources. Separate from oxidizing materials. Keep container tightly closed and sealed until ready for use. Containers that have been opened must be carefully resealed and kept upright to prevent leakage. Do not store in unlabeled containers. Use appropriate containment to avoid environmental contamination.
- Packaging materials**
- Recommended** : Use original container.

## 8. Expose controls/personal protection

### Ingredient name

### Occupational exposure limits

No exposure limit value known.

**Recommended monitoring procedures** : If this product contains ingredients with exposure limits, personal, workplace atmosphere or biological monitoring may be required to determine the effectiveness of the ventilation or other control measures and/or the necessity to use respiratory protective equipment. Reference should be made to European Standard EN 689 for methods for the assessment of exposure by inhalation to chemical agents and national guidance documents for methods for the determination of hazardous substances.

### Exposure controls

**Occupational exposure controls** : Use only with adequate ventilation. Use process enclosures, local exhaust ventilation or other engineering controls to keep worker exposure to airborne contaminants below any recommended or statutory limits. The engineering controls also need to keep gas, vapor or dust concentrations below any lower explosive limits. Use explosion-proof ventilation equipment.

**Hygiene measures** : Wash hands, forearms and face thoroughly after handling chemical products, before eating, smoking and using the lavatory and at the end of the working period. Appropriate techniques should be used to remove potentially contaminated clothing. Wash contaminated clothing before reusing.

**Respiratory protection** : No special measures required.

**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. Recommended: Butyl rubber/nitrile rubber gloves.

**Eye protection** : Safety eyewear complying with an approved standard should be used when a risk assessment indicates this is necessary to avoid exposure to liquid splashes, mists, gases or dusts.

**Skin protection** : Personal protective equipment for the body should be selected based on the task being performed and the risks involved and should be approved by a specialist before handling this product. Recommended: Use barrier skin cream.

**Environmental exposure controls** : Emissions from ventilation or work process equipment should be checked to ensure they comply with the requirements of environmental protection legislation. In some cases, fume scrubbers, filters or engineering modifications to the process equipment will be necessary to reduce emissions to acceptable levels.

## 9. Physical and chemical properties

### General information

#### Appearance

**Form** : Paste.  
**Color** : Various.  
**Odor** : Characteristic.

#### Important health, safety and environmental information

**Flash point** : Closed cup: >70°C (>158°F)  
**Density** : ~1.23 g/cm<sup>3</sup> [20°C (68°F)]  
**Solubility** : Insoluble in the following materials: water  
**Viscosity** : Dynamic: 80000 mPa·s (80000 cP)

## 10. Stability and reactivity

- Stability** : The product is stable. Under normal conditions of storage and use, hazardous polymerization will not occur.
- Conditions to avoid** : Avoid all possible sources of ignition (spark or flame). Do not pressurize, cut, weld, braze, solder, drill, grind or expose containers to heat or sources of ignition.
- Materials to avoid** : Reactive or incompatible with the following materials: oxidizing materials
- Hazardous decomposition products** : Under normal conditions of storage and use, hazardous decomposition products should not be produced.

## 11. Toxicological information

### Potential acute health effects

- Inhalation** : May cause irritation.
- Ingestion** : Can cause gastrointestinal disturbances.
- Skin contact** : May cause skin irritation.
- Eye contact** : May cause eye irritation.
- Chronic effects** : No known significant effects or critical hazards.

## 12. Ecological information

- Environmental effects** : Avoid contact of spilled material and runoff with soil and surface waterways. Do not empty into drains; dispose of this material and its container in a safe way.

## 13. Disposal considerations

- Methods of disposal** : The generation of waste should be avoided or minimized wherever possible. 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 (EWC)** : 08 04 09\* waste adhesives and sealants containing organic solvents or other dangerous substances
- Packaging** : Completely emptied packaging or empty packaging containing dried/ cured residues, once relieved of all pressure can be disposed as non-hazardous waste. Completely emptied packaging may be given for recycling. Empty packaging may still contain hazardous residues and disposal should be by a licensed waste contractor.

Any disposal practice must be in compliance with local and national laws and regulations. Do not dump into any sewer, on the ground or into any body of water.

## 14. Transport information

### International transport regulations

#### ADR

Not regulated.

#### IMDG

Not regulated.

**Marine pollutant** : No.

#### IATA

Not regulated.

## 15. Regulatory information

### EU regulations

Classification and labeling have been determined according to EU Directives 67/548/EEC and 1999/45/EC (including amendments) and take into account the intended product use.

**Additional warning phrases** : Contains isocyanates. See information supplied by the manufacturer. Contains 3-isocyanatomethyl-3,5,5-trimethylcyclohexyl isocyanate. May produce an allergic reaction.

**VOC content (EU)** : VOC (w/w): 1.21%

### National regulations

**Regulatory information** : Chemicals (Hazard Information and Packaging for Supply) Regulations 2002 (CHIP 3)  
Control of Substances Hazardous to Health Regulations 2002 (COSHH) (as amended)  
Health & Safety at Work Act 1974  
The Environmental Protection (Duty of Care) Regulations 1991  
The Carriage of Dangerous Goods and Use of Transportable Pressure Equipment (Amendment) Regulations 2005

**Guidance Publications** : Approved Code of Practice - Management of Health and Safety at Work, HSE  
General Approved Code of Practice to COSHH Regulations, HSE.

## 16. Other information

### History

**Date of printing** : 20.08.2007.

**Date of issue** : 20.08.2007.

**Date of previous issue** : No previous validation.

▣ Indicates information that has changed from previously issued version.

### Notice to reader

*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 Technical Data Sheet prior to any use and processing.*