

**PRODUCT AND COMPANY IDENTIFICATION**

|                              |                                                                                                                        |
|------------------------------|------------------------------------------------------------------------------------------------------------------------|
| <b>Product Code</b>          | SIKMTFF                                                                                                                |
| <b>Product Name</b>          | Sikament FF                                                                                                            |
| <b>Product Description</b>   | Liquid concrete admixture based on sulphonated melamine formaldehyde condensate.                                       |
| <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 |

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

| <b>Component</b> | <b>Concentration</b> | <b>Classification</b> | <b>Risk Phrases</b>                        |
|------------------|----------------------|-----------------------|--------------------------------------------|
| 1) Formaldehyde  | 0.05 - 0.25          | T                     | R34, .., R40, .., R43, ..,<br>R23/24/25, . |

**HAZARD IDENTIFICATION**

**Main Hazards** Not classified as hazardous.

**FIRST AID MEASURES**

|                     |                                                                                                                                                                 |
|---------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>Eye Contact</b>  | Immediately flood the eye with plenty of water for at least 10 minutes, holding the eye open.<br>Obtain medical attention if soreness or redness persists.      |
| <b>Skin Contact</b> | Wash skin thoroughly with soap and water.<br>Contaminated clothing should be washed or dry-cleaned before re-use.<br>Do not use organic solvents to clean skin. |
| <b>Ingestion</b>    | Wash out mouth with water. Do not induce vomiting.<br>Obtain medical attention.                                                                                 |
| <b>Inhalation</b>   | Remove from exposure.<br>Unlikely to occur. However provide symptomatic medical treatment if required.                                                          |

**FIRE FIGHTING MEASURES**

|                                               |                                                                                            |
|-----------------------------------------------|--------------------------------------------------------------------------------------------|
| <b>Extinguishing Media</b>                    | Not combustible.<br>Select extinguishing agent appropriate to other materials involved.    |
| <b>Special Hazards of Product</b>             | Combustion will produce smoke, carbon dioxide and carbon monoxide.<br>See also Section 10. |
| <b>Protective Equipment for Fire-Fighting</b> | Wear self contained breathing apparatus.                                                   |

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

Wear appropriate protective clothing.

**Environmental Precautions and Clean-up Methods**Try to prevent the material from entering drains or water courses.  
Advise Authorities if spillage has entered water course or sewer or has contaminated soil or vegetation.**Spillages**Small spillages may be flushed with large quantities of water.  
Large spillages should be collected for disposal.  
Transfer into suitable containers for recovery or disposal.**HANDLING AND STORAGE****Handling**

Avoid contact with eyes, skin and clothing.

**Storage**Storage area should be: cool. out of direct sunlight.  
Where outside storage of drums is unavoidable, they should be stored horizontally to avoid ingress of water.  
Protect from extremes of cold.  
Storage temperature should be controlled to between 5 and 25 °C.  
Keep away from foodstuffs**EXPOSURE CONTROLS/PERSONAL PROTECTION****Occupational Exposure Limits - GB**

1) Formaldehyde

UK EH40: MEL 2ppm (2.5mg/m<sup>3</sup>) 8h TWA.  
UK EH40: MEL 2ppm (2.5mg/m<sup>3</sup>) 15min STEL.**Engineering Control Measures**

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

**Respiratory Protection**

None required.

**Hand Protection**

Wear suitable impervious gloves.

**Eye Protection**

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

**PHYSICAL AND CHEMICAL PROPERTIES****Physical State**

Liquid.

**Color**

Colourless.

**Odor**

Characteristic.

**pH**

11.5 (typical)

**Boiling Point °C**

&gt;100

**Flash Point °C**

Not applicable.

**Solubility - Water**

Miscible.

**Vapor Pressure ( kPa )**

Negligible vapour pressure at ambient conditions.

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

Approx. 1.23.

**Viscosity ( at 20°C )**

Mobile liquid at ambient temperatures.

**STABILITY AND REACTIVITY**

|                                         |                                                                                          |
|-----------------------------------------|------------------------------------------------------------------------------------------|
| <i>Stability</i>                        | Stable under normal conditions.                                                          |
| <i>Conditions to avoid</i>              | Extremes of temperature.<br>Protect from frost                                           |
| <i>Materials to avoid</i>               | Oxidising agents. Mineral acids.                                                         |
| <i>Hazardous Decomposition Products</i> | Combustion will generate: oxides of carbon. oxides of sulphur.<br>ammonia. formaldehyde. |

**TOXICOLOGICAL INFORMATION**

|                        |                                                                                     |
|------------------------|-------------------------------------------------------------------------------------|
| <i>Acute toxicity</i>  | Low order of acute toxicity.                                                        |
| <i>Eye irritation</i>  | May cause slight transient irritation.                                              |
| <i>Skin irritation</i> | Frequent or prolonged skin contact may cause some local short term skin irritation. |

**ECOLOGICAL INFORMATION**

|                                  |                                                                  |
|----------------------------------|------------------------------------------------------------------|
| <i>Mobility</i>                  | The product will dissolve rapidly in water.                      |
| <i>Persistence/degradability</i> | The product is expected to be not readily biodegradable.         |
| <i>Bioaccumulative potential</i> | Product is not expected to bioaccumulate.                        |
| <i>Ecotoxicity</i>               | The product is expected to be slightly toxic to aquatic species. |

**DISPOSAL**

|                           |                                                                                                                                                                                                                                                                                                                                                                         |
|---------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <i>Product Disposal</i>   | Arrange for disposal via a licensed waste contractor.                                                                                                                                                                                                                                                                                                                   |
| <i>Container Disposal</i> | Labels should not be removed from containers until they have been cleaned.<br>Containers should be cleaned by appropriate methods and then re-used or disposed of by landfill or incineration as appropriate.<br>Empty containers may contain hazardous residues. Dispose of containers with care.<br>Empty packaging should be removed by a licensed waste contractor. |

**TRANSPORT INFORMATION**

|                                                |                 |
|------------------------------------------------|-----------------|
| <i>UN : UN number</i>                          | Not classified. |
| <i>UN : Proper shipping name</i>               | None assigned.  |
| <i>ADR/RID Substance Identification Number</i> | Not classified. |
| <i>IMDG : Proper shipping name</i>             | Not classified. |

**REGULATORY INFORMATION**

|                       |                                                                                                                                                                              |
|-----------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <i>Risk Phrases</i>   | None assigned.                                                                                                                                                               |
| <i>Safety Phrases</i> | The following are offered as advisory:<br>Avoid contact with skin and eyes.<br>In case of contact with eyes, rinse immediately with plenty of water and seek medical advice. |

**OTHER INFORMATION**

|                                        |                                                                                                                                                                                                                                                   |
|----------------------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b><i>First Issue Date</i></b>         | 29.06.1995                                                                                                                                                                                                                                        |
| <b><i>Revisions Highlighted</i></b>    | Future revisions will incorporate such information as is required but which is not available at this time.                                                                                                                                        |
| <b><i>Uses and Restrictions</i></b>    | 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.  |
| <b><i>UK Legislation</i></b>           | Health and Safety at Work etc Act, 1974, and relevant Statutory Provisions.<br>SI 1993/1746: Chemicals (Hazard Information and Packaging) Regulations, 1993.<br>SI No 2839 1991 Environmental Protection (Duty of Care) Regulations.              |
| <b><i>UK Guidance Publications</i></b> | General Approved Code of Practice to COSHH Regulations, HSE.                                                                                                                                                                                      |
| <b><i>Footnote</i></b>                 | 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. |

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**SAFETY DATA SHEET**

**Sikament FF**

Date of issue - 22/03/2001.

**SIKMTFF**

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