

**1. PRODUCT AND COMPANY IDENTIFICATION**

<i>Product Code</i>	FRIA1
<i>Product Name</i>	Frioplast A1
<i>Product Description</i>	Concrete admixture based on an aqueous blend of lignosulphonates.
<i>Manufacturer/Supplier</i>	Sika Limited Watchmead Welwyn Garden City Hertfordshire. AL7 1BQ tel. 01707 394444 Fax. 01707 329129

2. COMPOSITION/INFORMATION ON THE COMPONENTS

<i>Hazardous ingredients</i>	The product contains no substance considered hazardous under current legislation.
<i>Chemical Characteristic</i>	Aqueous solution of lignosulphonates and anionic surfactant

3. HAZARD IDENTIFICATION

<i>Main Hazards</i>	Not classified as hazardous.
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4. FIRST AID MEASURES

<i>Eye Contact</i>	Immediately flood the eye with plenty of water for at least 15 minutes, holding the eye open. Obtain medical attention if soreness or redness persists.
<i>Skin Contact</i>	Wash skin thoroughly with soap and water. Contaminated clothing should be washed or dry-cleaned before re-use. Do not use organic solvents to clean skin.
<i>Ingestion</i>	Wash out mouth with water. Do not induce vomiting. Obtain medical attention.
<i>Inhalation</i>	Remove from exposure. Unlikely to occur. However provide symptomatic medical treatment if required.

5. FIRE FIGHTING MEASURES

<i>Extinguishing Media</i>	Not combustible. Select extinguishing agent appropriate to other materials involved.
<i>Special Hazards of Product</i>	Combustion will release oxides of carbon and sulphur

6. ACCIDENTAL RELEASE MEASURES

<i>Personal Precautions</i>	Wear appropriate protective clothing.
<i>Environmental Precautions and Clean-up Methods</i>	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.

7. 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

8. EXPOSURE CONTROLS/PERSONAL PROTECTION**Respiratory Protection**

None required.

Hand Protection

Wear suitable impervious gloves.

Eye Protection

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

9. PHYSICAL AND CHEMICAL PROPERTIES**Physical State**

Liquid.

Color

Brown.

Odor

Characteristic.

pH

5 (typical)

Boiling Point °C

>100

Flash Point °C

Not applicable.

Solubility - Water

Miscible.

Density (kg/m³)

Approx. 1180

Viscosity (at 20°C)

Mobile liquid at ambient temperatures.

10. STABILITY AND REACTIVITY**Stability**

Stable under normal conditions.

Conditions to avoid

Protect from frost

Hazardous Decomposition Products

Combustion will generate: oxides of carbon. oxides of sulphur.

11. TOXICOLOGICAL INFORMATION**Acute toxicity**

Low order of acute toxicity.

Eye irritation

May cause slight transient irritation.

Skin irritation

Frequent or prolonged skin contact may cause some local short term skin irritation.

**12. ECOLOGICAL INFORMATION**

<i>Mobility</i>	The product will dissolve rapidly in water.
<i>Persistence/degradability</i>	The product is expected to be readily biodegradable.
<i>Ecotoxicity</i>	Maybe harmful to aquatic species

13. DISPOSAL

<i>Product Disposal</i>	Arrange for disposal via a licensed waste contractor.
<i>Container Disposal</i>	Dispose of containers with care. Empty containers may contain hazardous residues Empty packaging should be removed by a licensed 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>	The following are offered as advisory. Avoid contact with skin and eyes. In case of contact with eyes, rinse immediately with plenty of water and seek medical advice.

16. OTHER INFORMATION

<i>First Issue Date</i>	29.06.1995
<i>Revisions Highlighted</i>	Composition / information on ingredients Physical and Chemical Properties
<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 2002/1689: Chemicals (Hazard Information and Packaging) Regulations, 2002. SI No 2839 1991 Environmental Protection (Duty of Care) Regulations.
<i>UK Guidance Publications</i>	General Approved Code of Practice to COSHH Regulations, HSE.
<i>Footnote</i>	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.