

**1. PRODUCT AND COMPANY IDENTIFICATION**

Product Code SIKR1
Product Name Sika Rapid 1
Product Description Chloride free accelerator for concrete.
Manufacturer/Supplier Sika Limited
Watchmead
Welwyn Garden City
Hertfordshire.
AL7 1BQ
tel. 01707 394444
Fax. 01707 329129

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

Component	CAS/EINECS	Concentration	Classification	Risk Phrases
Sodium thiocyanate	540-72-7	10.00% - 25.00%	Xn	R20/21/22, R32

3. HAZARD IDENTIFICATION

Main Hazards Contact with acids liberates very toxic gas.

4. 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 if soreness or redness persists.

Skin Contact 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.

Ingestion Wash out mouth with water. Do not induce vomiting.
Obtain medical attention urgently.

Inhalation Unlikely to occur. However provide symptomatic medical treatment if required.

5. FIRE FIGHTING MEASURES

Extinguishing Media Not combustible.
Select extinguishing agent appropriate to other materials involved.

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 self contained breathing apparatus.

**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.
<i>Spillages</i>	Large spillages should be collected for disposal. Transfer into suitable containers for recovery or disposal.

7. HANDLING AND STORAGE

<i>Handling</i>	Avoid contact with eyes, skin and clothing.
<i>Storage</i>	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

<i>Engineering Control Measures</i>	Use of the basic principles of Industrial Hygiene will enable this material to be used safely.
<i>Respiratory Protection</i>	None required.
<i>Hand Protection</i>	Wear suitable impervious gloves.
<i>Eye Protection</i>	Chemical goggles if there is a risk of splashing.

9. PHYSICAL AND CHEMICAL PROPERTIES

<i>Physical State</i>	Liquid.
<i>Color</i>	Pale Red
<i>Odor</i>	Odourless.
<i>pH</i>	(typical) 9
<i>Boiling Point °C</i>	>100
<i>Flash Point °C</i>	Not applicable.
<i>Solubility - Water</i>	Miscible.
<i>Density (kg/m3)</i>	Approx. 1170 at 20°C.
<i>Viscosity (at 20°C)</i>	Mobile liquid at ambient temperatures.

10. STABILITY AND REACTIVITY

<i>Stability</i>	Stable under normal conditions.
<i>Conditions to avoid</i>	Extremes of temperature. Protect from frost
<i>Materials to avoid</i>	Strong mineral acids. Oxidising agents.
<i>Hazardous Decomposition Products</i>	After evaporation of water, combustion will generate: oxides of carbon. oxides of sulphur. oxides of nitrogen. ammonia.

**11. 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.

12. 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>Ecotoxicity</i>	The product is expected to be slightly toxic 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. Labels should not be removed from containers until they have been cleaned. 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>	Contact with acids liberates very toxic gas.
<i>Safety Phrases</i>	None assigned Contains: Sodium thiocyanate

16. OTHER INFORMATION

<i>First Issue Date</i>	18.06.1997
<i>Revisions Highlighted</i>	Composition / information on ingredients Regulatory Information
<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.



SAFETY DATA SHEET

Sika Rapid 1

Date of issue - 10/03/2004.

SIKR1

UK Legislation

Health and Safety at Work etc Act, 1974, and relevant Statutory Provisions.

SI 2002/1689: Chemicals (Hazard Information and Packaging) Regulations

SI 2002/2677: 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.

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.