

**PRODUCT AND COMPANY IDENTIFICATION**

Product Code	SIKR2
Product Name	Sika Rapid 2
Product Description	Chloride free accelerator for concrete.
Manufacturer/Supplier	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) Sodium thiocyanate	2.50%-10.00%	Xn	R20/21/22, .. R32
2) 2,2'-(methylimino)diethanol	1.00%-2.50%	Xi	R36

HAZARD IDENTIFICATION

Main Hazards	Contact with acids liberates very toxic gas.
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FIRST AID MEASURES

Eye Contact	Immediately flood the eye with plenty of water for at least 10 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	Do not induce vomiting. Wash out mouth with water. Obtain medical attention urgently.
Inhalation	Unlikely to occur. However provide symptomatic medical treatment if required.

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.

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

Wear appropriate protective clothing.

Environmental Precautions and Clean-up MethodsTry 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.

StorageStorage 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) Sodium thiocyanate
- 2) 2,2'-(methylimino)diethanol

None assigned.
None assigned.**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

Chemical goggles if there is a risk of splashing.

PHYSICAL AND CHEMICAL PROPERTIES**Physical State**

Liquid.

Color

Yellow.

Odor

Odourless.

pH

(typical) 8.5

Boiling Point °C

>100

Flash Point °C

Not applicable.

Solubility - Water

Miscible.

Vapor Pressure (kPa)

Negligible vapour pressure at ambient conditions.

Density (kg/m³)

Approx. 1400.

Viscosity (at 20°C)

Mobile liquid at ambient temperatures.

STABILITY AND REACTIVITY**Stability**

Stable under normal conditions.

Conditions to avoid

Extremes of temperature.

Materials to avoidProtect from frost
Strong mineral acids.
Oxidising agents.

**Hazardous Decomposition Products**

After evaporation of water, combustion will generate: oxides of carbon. oxides of nitrogen. formaldehyde.

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.

ECOLOGICAL INFORMATION**Mobility**

The product will dissolve rapidly in water.

Persistence/degradability

The product is expected to be not readily biodegradable.

Bioaccumulative potential

Product is not expected to bioaccumulate.

Ecotoxicity

The product is expected to be slightly toxic to aquatic species.

DISPOSAL**Product Disposal**

Arrange for disposal via a licensed waste contractor.

Container Disposal

Labels should not be removed from containers until they have been cleaned.
Empty containers may contain hazardous residues. Dispose of containers with care.
Empty packaging should be removed by a licensed waste contractor.

TRANSPORT INFORMATION

UN : UN number

Not classified.

UN : Proper shipping name

None assigned.

ADR/RID Substance Identification Number

Not classified.

IMDG : Proper shipping name

Not classified.

REGULATORY INFORMATION**Risk Phrases**

Contact with acids liberates very toxic gas.

Safety Phrases

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.

OTHER INFORMATION**First Issue Date**

22.01.1998

Revisions Highlighted

Future revisions will incorporate such information as is required but which is not available at this time.

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.



SAFETY DATA SHEET

Sika Rapid 2

Date of issue - 22/03/2001.

SIKR2

UK Legislation

Health and Safety at Work etc Act, 1974, and relevant Statutory Provisions.
SI 1993/1746: Chemicals (Hazard Information and Packaging) Regulations, 1993.
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.

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.

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