

**PRODUCT AND COMPANY IDENTIFICATION**

<i>Product Code</i>	SIKRET
<i>Product Name</i>	Sika Retarder 50
<i>Product Description</i>	Liquid admixture for retardation of concrete.
<i>Manufacturer/Supplier</i>	Sika Limited Watchmead Welwyn Garden City Hertfordshire. AL7 1BQ tel. 01707 394444 Fax. 01707 329129

**COMPOSITION/INFORMATION ON THE COMPONENTS**

<i>Hazardous Components in Product</i>	The product does not contain any substances classified as hazardous under current regulations.
<i>Chemical Characteristic</i>	Aqueous solution of phosphate and hydrocarboxylic salts.

**HAZARD IDENTIFICATION**

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

<i>Eye Contact</i>	Immediately flood the eye with plenty of water for at least 10 minutes, holding the eye open. Eyelids should be held away from the eyeball to ensure thorough rinsing. Obtain medical attention if soreness or redness persists.
<i>Skin Contact</i>	Wash skin 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. Have victim drink 240-300ml of water to dilute stomach contents. Obtain medical attention urgently.
<i>Inhalation</i>	Unlikely to occur. However provide symptomatic medical treatment if required.

**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 produce smoke, carbon dioxide and carbon monoxide. See also Section 10.

**ACCIDENTAL RELEASE MEASURES**

<i>Personal Precautions</i>	Wear appropriate protective clothing.
<i>Environmental Precautions and Clean-up Methods</i>	Try to prevent the material from entering drains or water courses.
<i>Spillages</i>	Small spillages may be flushed with large quantities of water. Contain and absorb using earth, sand or other inert material. 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. dry. out of direct sunlight.  
Where outside storage of drums is unavoidable, they should be stored horizontally to avoid ingress of water.  
Storage temperature should be controlled to between 5 and 25 °C.  
Protect from extremes of cold.  
Keep away from foodstuffs

**EXPOSURE CONTROLS/PERSONAL PROTECTION****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**

Straw

**Odor**

None.

**pH**

Range between 7 to 9.

**Flash Point °C**

Not applicable.

**Solubility - Water**

Completely soluble.

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

Approx. 1.20 at 20 °C.

**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 avoid**

Oxidising agents. Mineral acids. Alkalis.

**Hazardous Decomposition Products**

Combustion will generate: oxides of carbon. oxides of sulphur. oxides of phosphorus. acrid smoke and irritating fumes.

**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**

<i>Mobility</i>	The product will dissolve rapidly in water.
<i>Persistence/degradability</i>	The product is expected to be readily biodegradable.
<i>Bioaccumulative potential</i>	Product is not expected to bioaccumulate.
<i>Ecotoxicity</i>	The product may be harmful to aquatic organisms.

**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. Containers should be cleaned by appropriate methods and then re-used or disposed of by landfill or incineration as appropriate. Dispose of containers with care. Empty packaging should be removed by a licensed waste contractor.

**TRANSPORT INFORMATION**

<i>UN : UN number</i>	Not classified.
<i>ADR/RID Proper shipping name</i>	Not Hazardous
<i>ADR/RID Class</i>	None assigned.
<i>IMDG : Proper shipping name</i>	None assigned.
<i>IATA : Proper shipping name</i>	Not classified.
<i>IATA : Class</i>	None assigned.

**REGULATORY INFORMATION**

<i>Risk Phrases</i>	None assigned.
<i>Safety Phrases</i>	The following can be considered 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**

<i>First Issue Date</i>	13.09.1996
<i>Revisions Highlighted</i>	Future revisions will incorporate such information as is required but which is not available at this time.
<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 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.



## SAFETY DATA SHEET

### Sika Retarder 50

Date of issue - 22/03/2001.

SIKRET

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#### *UK Guidance Publications*

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