

**PRODUCT AND COMPANY IDENTIFICATION**

Product Code SIK4A
Product Name Sika 4a
Product Description Liquid rapid setting compound for waterproofing and leak plugging.
Manufacturer/Supplier Sika Limited
Watchmead
Welwyn Garden City
Hertfordshire.
AL7 1BQ
tel. 01707 394444
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COMPOSITION/INFORMATION ON THE COMPONENTS**Preparation - Hazardous ingredients (Europe)**

Component	Concentration	Classification	Risk Phrases
1) Potassium hydroxide	2.50%-10.00%	C	R22, R35
2) Sodium aluminate	2.50%-10.00%	Xi	R41
3) Potassium carbonate	10.00%-25.00%	Xi	R36/37/38

HAZARD IDENTIFICATION

Main Hazards Causes burns.
Irritating to respiratory system.

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 urgently.

Skin Contact Immediately wash skin thoroughly with soap and water.
Remove contaminated clothing as washing proceeds.
Obtain medical attention if blistering occurs or redness persists.
Contaminated clothing should be washed or dry-cleaned before re-use.

Ingestion Wash out mouth with water. Do not induce vomiting.
Have victim drink 240-300ml of water to dilute stomach contents.
Obtain medical attention.

Inhalation Remove from exposure. Keep warm and at rest.
Seek medical attention if you feel unwell.

FIRE FIGHTING MEASURES

Extinguishing Media Not combustible.
Use water spray or foam.

Protective Equipment for Fire-Fighting Wear full protective clothing and self-contained breathing apparatus.

**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>	Contain and absorb using earth, sand or other inert material. Transfer into suitable containers for recovery or disposal.

HANDLING AND STORAGE

<i>Handling</i>	Avoid contact with eyes, skin and clothing. Exposure by inhalation or skin contact should be minimised by good Industrial Hygiene practices.
<i>Storage</i>	Storage area should be: cool. dry. away from incompatible materials. Store in the original container securely closed .

EXPOSURE CONTROLS/PERSONAL PROTECTION**Occupational Exposure Limits - GB**

1) Potassium hydroxide	UK EH40: OES 2mg/m ³ 15min STEL.
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<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>	Respiratory protection not normally required.
<i>Hand Protection</i>	Wear suitable gloves e.g. Rubber gloves. PVC gloves. The insides of gloves must be kept scrupulously clean.
<i>Eye Protection</i>	Chemical goggles must be worn during all handling operations.

PHYSICAL AND CHEMICAL PROPERTIES

<i>Physical State</i>	Liquid.
<i>Color</i>	Clear. - Straw
<i>Odor</i>	Odourless.
<i>pH</i>	Strongly alkaline. Approx. 14
<i>Flash Point °C</i>	Not applicable.
<i>Solubility - Water</i>	Completely soluble.
<i>Density (kg/m³)</i>	Approx. 1.3 at 20 °C.
<i>Viscosity (at 20°C)</i>	Mobile liquid at ambient temperatures.

STABILITY AND REACTIVITY

<i>Stability</i>	Stable under normal conditions.
<i>Conditions to avoid</i>	Protect from frost
<i>Materials to avoid</i>	Acids. Halogenated compounds. Zinc. Aluminium. Brass.

**TOXICOLOGICAL INFORMATION**

<i>Acute toxicity</i>	Low order of acute toxicity.
<i>Eye irritation</i>	This material is corrosive to the eye.
<i>Skin irritation</i>	This material is corrosive to the skin.

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>	The product may be harmful to aquatic organisms.

DISPOSAL

<i>Product Disposal</i>	Dispose of as Special Waste. 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.

TRANSPORT INFORMATION

<i>UN :</i>	<i>UN number</i>	1719
<i>UN :</i>	<i>Proper shipping name</i>	Caustic alkali liquid, n.o.s.
<i>UN :</i>	<i>Class</i>	8
<i>UN :</i>	<i>Packing Group</i>	3
<i>ADR/RID</i>	<i>Substance Identification Number</i>	1719
<i>ADR/RID</i>	<i>Proper shipping name</i>	Caustic Alkali Liquid, n.o.s. contains Potassium Hydroxide
<i>ADR/RID</i>	<i>Class</i>	8
<i>ADR/RID</i>	<i>Item Number</i>	42° c
<i>ADR/RID</i>	<i>Hazard Identification Number</i>	80
<i>IMDG :</i>	<i>Proper shipping name</i>	Caustic alkali liquid, N.O.S. contains Potassium Hydroxide
<i>IMDG :</i>	<i>Packing Group</i>	3
<i>IMDG :</i>	<i>Class</i>	8
<i>IMDG :</i>	<i>Ems Number</i>	8-06
<i>IMDG :</i>	<i>MFAG Number</i>	705
<i>IATA :</i>	<i>Proper shipping name</i>	Caustic alkali liquid, N.O.S. contains Potassium Hydroxide
<i>IATA :</i>	<i>Packing Group</i>	3
<i>IATA :</i>	<i>Class</i>	8

**REGULATORY INFORMATION****Label Requirements**

Corrosive

**Risk Phrases**

Causes burns.
Irritating to respiratory system.

Safety Phrases

Keep locked up and out of reach of children.
In case of contact with eyes, rinse immediately with plenty of water and seek medical advice.
Wear suitable protective clothing, gloves and eye/face protection.
After contact with skin, wash immediately with plenty of soap and water.
In case of accident or if you feel unwell, seek medical advice immediately (show the label where possible).

OTHER INFORMATION**First Issue Date**

09.06.1995

Revisions Highlighted

Main Hazards
S Phrases

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.

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.
SI No. 972/1996: The Special Waste Regulations 1996

UK Guidance Publications

Approved Code of Practice - Management of Health and Safety at Work, HSE.
General Approved Code of Practice to COSHH Regulations, HSE.
EH40, Occupational Exposure Limits, HSE. Revised Annually.

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.



SAFETY DATA SHEET

Sika 4a

Date of issue - 22/03/2001.

SIK4A
