

**SAFETY DATA SHEET**  
according to Regulation (EC) No. 1907/2006  
**Sika®-4A Waterstop**



Revision Date 14.06.2017

Version 5.1

Print Date 14.06.2017

**SECTION 1: Identification of the substance/mixture and of the company/undertaking**

**1.1 Product identifier**

Trade name : Sika®-4A Waterstop

**1.2 Relevant identified uses of the substance or mixture and uses advised against**

Product use : Concrete and mortar admixture

**1.3 Details of the supplier of the safety data sheet**

Company : Sika Limited  
Watchmead  
Welwyn Garden City  
Hertfordshire AL7 1BQ  
United Kingdom

Telephone : +44 (0)1707 394444

**1.4 Emergency telephone number**

Emergency telephone number : +44 (0)1707 363899 (available during office hours)

---

**SECTION 2: Hazards identification**

**2.1 Classification of the substance or mixture**

Type of product : Mixture

**Classification (REGULATION (EC) No 1272/2008)**

Skin corrosion, Category 1A H314: Causes severe skin burns and eye damage.

Serious eye damage, Category 1 H318: Causes serious eye damage.

Specific target organ toxicity - single exposure, Category 3, Respiratory system H335: May cause respiratory irritation.

**2.2 Label elements**

**Labelling (REGULATION (EC) No 1272/2008)**

Hazard pictograms :



Signal word : Danger

Hazard statements : H314 Causes severe skin burns and eye damage.

# SAFETY DATA SHEET

according to Regulation (EC) No. 1907/2006

## Sika®-4A Waterstop



Revision Date 14.06.2017

Version 5.1

Print Date 14.06.2017

|                                |                           |                                                                                                                                                                           |
|--------------------------------|---------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
|                                | H335                      | May cause respiratory irritation.                                                                                                                                         |
| Supplemental Hazard Statements | : EUH071                  | Corrosive to the respiratory tract.                                                                                                                                       |
| Precautionary statements       | : P101                    | If medical advice is needed, have product container or label at hand.                                                                                                     |
|                                | P102                      | Keep out of reach of children.                                                                                                                                            |
|                                | <b>Prevention:</b>        |                                                                                                                                                                           |
|                                | P271                      | Use only outdoors or in a well-ventilated area.                                                                                                                           |
|                                | P280                      | Wear protective gloves/ protective clothing/ eye protection/ face protection.                                                                                             |
|                                | <b>Response:</b>          |                                                                                                                                                                           |
|                                | P301 + P330 + P331        | IF SWALLOWED: Rinse mouth. Do NOT induce vomiting.                                                                                                                        |
|                                | P303 + P361 + P353        | IF ON SKIN (or hair): Take off immediately all contaminated clothing. Rinse skin with water/shower.                                                                       |
|                                | P304 + P340 + P310        | IF INHALED: Remove person to fresh air and keep comfortable for breathing. Immediately call a POISON CENTER/doctor.                                                       |
|                                | P305 + P351 + P338 + P310 | IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. Immediately call a POISON CENTER/doctor. |
|                                | <b>Storage:</b>           |                                                                                                                                                                           |
|                                | P405                      | Store locked up.                                                                                                                                                          |
|                                | <b>Disposal:</b>          |                                                                                                                                                                           |
|                                | P501                      | Dispose of contents/container in accordance with local regulation.                                                                                                        |

Hazardous components which must be listed on the label:

- 209-529-3 potassium carbonate
- 234-391-6 Sodium aluminate
- 215-181-3 caustic potash

### 2.3 Other hazards

This substance/mixture contains no components considered to be either persistent, bioaccumulative and toxic (PBT), or very persistent and very bioaccumulative (vPvB) at levels of 0.1% or higher.

## SECTION 3: Composition/information on ingredients

### 3.2 Mixtures

#### Hazardous components

| Chemical name<br>CAS-No.<br>EC-No.<br>Registration number | Classification<br>(REGULATION (EC)<br>No 1272/2008) | Concentration<br>[%] |
|-----------------------------------------------------------|-----------------------------------------------------|----------------------|
| potassium carbonate                                       | Skin Irrit.2; H315                                  | >= 20 - < 25         |

**SAFETY DATA SHEET**  
according to Regulation (EC) No. 1907/2006  
**Sika®-4A Waterstop**



Revision Date 14.06.2017

Version 5.1

Print Date 14.06.2017

|                                                                      |                                                              |              |
|----------------------------------------------------------------------|--------------------------------------------------------------|--------------|
| 584-08-7<br>209-529-3<br>01-2119532646-36-XXXX                       | Eye Irrit.2; H319<br>STOT SE3; H335                          |              |
| Sodium aluminate<br>11138-49-1<br>234-391-6<br>01-2119516051-57-XXXX | Skin Corr.1A; H314                                           | >= 5 - < 10  |
| caustic potash<br>1310-58-3<br>215-181-3<br>01-2119487136-33-XXXX    | Acute Tox.4; H302<br>Skin Corr.1A; H314<br>Met. Corr.1; H290 | >= 2,5 - < 5 |
| Substances with a workplace exposure limit :                         |                                                              |              |
| glycerol<br>56-81-5<br>200-289-5<br>01-2119471987-18-XXXX            |                                                              | >= 1 - < 2,5 |

For the full text of the H-Statements mentioned in this Section, see Section 16.

## SECTION 4: First aid measures

### 4.1 Description of first aid measures

- |                         |                                                                                                                                                                                                                                                                                                                   |
|-------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| General advice          | : Move out of dangerous area.<br>Consult a physician.<br>Show this safety data sheet to the doctor in attendance.                                                                                                                                                                                                 |
| If inhaled              | : Move to fresh air.<br>Consult a physician after significant exposure.                                                                                                                                                                                                                                           |
| In case of skin contact | : Take off contaminated clothing and shoes immediately.<br>Wash off with soap and plenty of water.<br>Immediate medical treatment is necessary as untreated wounds from corrosion of the skin heal slowly and with difficulty.                                                                                    |
| In case of eye contact  | : Small amounts splashed into eyes can cause irreversible tissue damage and blindness.<br>In the case of contact with eyes, rinse immediately with plenty of water and seek medical advice.<br>Continue rinsing eyes during transport to hospital.<br>Remove contact lenses.<br>Keep eye wide open while rinsing. |
| If swallowed            | : Do not induce vomiting without medical advice.<br>Rinse mouth with water.<br>Do not give milk or alcoholic beverages.<br>Never give anything by mouth to an unconscious person.                                                                                                                                 |



#### 4.2 Most important symptoms and effects, both acute and delayed

|          |                                                                                                                                                                                                                  |
|----------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Symptoms | : Cough<br>Respiratory disorder<br>Dermatitis<br>See Section 11 for more detailed information on health effects and symptoms.                                                                                    |
| Risks    | : Health injuries may be delayed.<br>corrosive effects<br>irritant effects<br><br>Causes serious eye damage.<br>May cause respiratory irritation.<br>Corrosive to the respiratory tract.<br>Causes severe burns. |

#### 4.3 Indication of any immediate medical attention and special treatment needed

|           |                          |
|-----------|--------------------------|
| Treatment | : Treat symptomatically. |
|-----------|--------------------------|

---

### SECTION 5: Firefighting measures

#### 5.1 Extinguishing media

|                              |                                                                                                           |
|------------------------------|-----------------------------------------------------------------------------------------------------------|
| Suitable extinguishing media | : Use extinguishing measures that are appropriate to local circumstances and the surrounding environment. |
|------------------------------|-----------------------------------------------------------------------------------------------------------|

#### 5.2 Special hazards arising from the substance or mixture

|                               |                                              |
|-------------------------------|----------------------------------------------|
| Hazardous combustion products | : No hazardous combustion products are known |
|-------------------------------|----------------------------------------------|

#### 5.3 Advice for firefighters

|                                               |                                                                  |
|-----------------------------------------------|------------------------------------------------------------------|
| Special protective equipment for firefighters | : In the event of fire, wear self-contained breathing apparatus. |
| Further information                           | : Standard procedure for chemical fires.                         |

---

### SECTION 6: Accidental release measures

#### 6.1 Personal precautions, protective equipment and emergency procedures

|                      |                                                                             |
|----------------------|-----------------------------------------------------------------------------|
| Personal precautions | : Use personal protective equipment.<br>Deny access to unprotected persons. |
|----------------------|-----------------------------------------------------------------------------|

#### 6.2 Environmental precautions

|                           |                                                             |
|---------------------------|-------------------------------------------------------------|
| Environmental precautions | : Do not flush into surface water or sanitary sewer system. |
|---------------------------|-------------------------------------------------------------|

SAFETY DATA SHEET  
according to Regulation (EC) No. 1907/2006  
**Sika®-4A Waterstop**



Revision Date 14.06.2017

Version 5.1

Print Date 14.06.2017

If the product contaminates rivers and lakes or drains inform respective authorities.

### 6.3 Methods and materials for containment and cleaning up

Methods for cleaning up : Soak up with inert absorbent material (e.g. sand, silica gel, acid binder, universal binder, sawdust).  
Keep in suitable, closed containers for disposal.

### 6.4 Reference to other sections

For personal protection see section 8.

---

## SECTION 7: Handling and storage

### 7.1 Precautions for safe handling

Advice on safe handling : Avoid exceeding the given occupational exposure limits (see section 8). Do not get in eyes, on skin, or on clothing. For personal protection see section 8. Smoking, eating and drinking should be prohibited in the application area. Follow standard hygiene measures when handling chemical products

Advice on protection against fire and explosion : Normal measures for preventive fire protection.

Hygiene measures : Handle in accordance with good industrial hygiene and safety practice. When using do not eat or drink. When using do not smoke. Wash hands before breaks and at the end of workday.

### 7.2 Conditions for safe storage, including any incompatibilities

Requirements for storage areas and containers : Store in original container. Keep container tightly closed in a dry and well-ventilated place. Containers which are opened must be carefully resealed and kept upright to prevent leakage. Observe label precautions. Store in accordance with local regulations.

Other data : No decomposition if stored and applied as directed.

### 7.3 Specific end use(s)

Specific use(s) : No data available

---

## SECTION 8: Exposure controls/personal protection

### 8.1 Control parameters

Components with workplace control parameters

| Components | CAS-No. | Value | Control parame- | Basis * |
|------------|---------|-------|-----------------|---------|
|------------|---------|-------|-----------------|---------|

Country GB 000000041243

5 / 13

**SAFETY DATA SHEET**  
according to Regulation (EC) No. 1907/2006  
**Sika®-4A Waterstop**



Revision Date 14.06.2017

Version 5.1

Print Date 14.06.2017

|                |           |      | ters *               |         |
|----------------|-----------|------|----------------------|---------|
| caustic potash | 1310-58-3 | STEL | 2 mg/m <sup>3</sup>  | GB EH40 |
| glycerol       | 56-81-5   | TWA  | 10 mg/m <sup>3</sup> | GB EH40 |

## 8.2 Exposure controls

### Personal protective equipment

- Eye protection : Safety glasses with side-shields conforming to EN166  
Eye wash bottle with pure water  
Wear eye/face protection.
- Hand protection : Chemical-resistant, impervious gloves complying with an approved standard must be worn at all times when handling chemical products. Reference number EN 374. Follow manufacturer specifications.
- Suitable for short time use or protection against splashes:  
Butyl rubber/nitrile rubber gloves (0,4 mm),  
Contaminated gloves should be removed.  
Suitable for permanent exposure:  
Viton gloves (0.4 mm),  
breakthrough time >30 min.
- Skin and body protection : Protective clothing (e.g. Safety shoes acc. to EN ISO 20345, long-sleeved working clothing, long trousers). Rubber aprons and protective boots are additionally recommended for mixing and stirring work.
- Respiratory protection : Respirator selection must be based on known or anticipated exposure levels, the hazards of the product and the safe working limits of the selected respirator.  
organic vapor filter (Type A)  
A1: < 1000 ppm; A2: < 5000 ppm; A3: < 10000 ppm  
Ensure adequate ventilation. This can be achieved by local exhaust extraction or by general ventilation. (EN 689 - Methods for determining inhalation exposure). This applies in particular to the mixing / stirring area. In case this is not sufficient to keep the concentrations under the occupational exposure limits then respiration protection measures must be used.

### Environmental exposure controls

- General advice : Do not flush into surface water or sanitary sewer system.  
If the product contaminates rivers and lakes or drains inform respective authorities.



---

## SECTION 9: Physical and chemical properties

### 9.1 Information on basic physical and chemical properties

|                                        |                                      |
|----------------------------------------|--------------------------------------|
| Appearance                             | : liquid                             |
| Colour                                 | : light yellow                       |
| Odour                                  | : odourless                          |
| Odour Threshold                        | : No data available                  |
| Flash point                            | : Not applicable                     |
| Autoignition temperature               | : No data available                  |
| Decomposition temperature              | : No data available                  |
| Lower explosion limit (Vol-%)          | : No data available                  |
| Upper explosion limit (Vol-%)          | : No data available                  |
| Flammability                           | : No data available                  |
| Explosive properties                   | : No data available                  |
| Oxidizing properties                   | : No data available                  |
| pH                                     | : 14                                 |
| Melting point/range / Freezing point   | : No data available                  |
| Boiling point/boiling range            | : No data available                  |
| Vapour pressure                        | : 23 hPa                             |
| Density                                | : 1,3 g/cm <sup>3</sup><br>at 20 °C  |
| Water solubility                       | : soluble                            |
| Partition coefficient: n-octanol/water | : No data available                  |
| Viscosity, dynamic                     | : No data available                  |
| Viscosity, kinematic                   | : > 7 mm <sup>2</sup> /s<br>at 40 °C |
| Relative vapour density                | : No data available                  |
| Evaporation rate                       | : No data available                  |

SAFETY DATA SHEET  
according to Regulation (EC) No. 1907/2006  
**Sika®-4A Waterstop**



Revision Date 14.06.2017

Version 5.1

Print Date 14.06.2017

**9.2 Other information**

No data available

---

**SECTION 10: Stability and reactivity**

**10.1 Reactivity**

No dangerous reaction known under conditions of normal use.

**10.2 Chemical stability**

The product is chemically stable.

**10.3 Possibility of hazardous reactions**

Hazardous reactions : Stable under recommended storage conditions.

**10.4 Conditions to avoid**

Conditions to avoid : No data available

**10.5 Incompatible materials**

Materials to avoid : No data available

**10.6 Hazardous decomposition products**

---

**SECTION 11: Toxicological information**

**11.1 Information on toxicological effects**

**Acute toxicity**

Not classified based on available information.

**Components:**

**potassium carbonate:**

Acute oral toxicity : LD50 Oral (Rat): > 2.001 mg/kg

**caustic potash:**

Acute oral toxicity : Acute toxicity estimate: 500 mg/kg  
Method: Converted acute toxicity point estimate

**Skin corrosion/irritation**

Causes severe burns.

**Serious eye damage/eye irritation**

Causes serious eye damage.

**Respiratory or skin sensitisation**

Skin sensitisation: Not classified based on available information.

Respiratory sensitisation: Not classified based on available information.

**Germ cell mutagenicity**

Not classified based on available information.



SAFETY DATA SHEET  
according to Regulation (EC) No. 1907/2006  
**Sika®-4A Waterstop**



Revision Date 14.06.2017

Version 5.1

Print Date 14.06.2017

**Carcinogenicity**

Not classified based on available information.

**Reproductive toxicity**

Not classified based on available information.

**STOT - single exposure**

May cause respiratory irritation.

Corrosive to the respiratory tract.

**STOT - repeated exposure**

Not classified based on available information.

**Aspiration toxicity**

Not classified based on available information.

---

**SECTION 12: Ecological information**

**12.1 Toxicity**

No data available

**12.2 Persistence and degradability**

No data available

**12.3 Bioaccumulative potential**

No data available

**12.4 Mobility in soil**

No data available

**12.5 Results of PBT and vPvB assessment**

**Product:**

Assessment : This substance/mixture contains no components considered to be either persistent, bioaccumulative and toxic (PBT), or very persistent and very bioaccumulative (vPvB) at levels of 0.1% or higher.

**12.6 Other adverse effects**

**Product:**

Additional ecological information : There is no data available for this product.

---

**SECTION 13: Disposal considerations**

**13.1 Waste treatment methods**

Product : The generation of waste should be avoided or minimized wherever possible.

**SAFETY DATA SHEET**  
according to Regulation (EC) No. 1907/2006  
**Sika®-4A Waterstop**



Revision Date 14.06.2017

Version 5.1

Print Date 14.06.2017

Empty containers or liners may retain some product residues.  
This material and its container must be disposed of in a safe way.  
Dispose of surplus and non-recyclable products via a licensed waste disposal contractor.  
Disposal of this product, solutions and any by-products should at all times comply with the requirements of environmental protection and waste disposal legislation and any regional local authority requirements.  
Avoid dispersal of spilled material and runoff and contact with soil, waterways, drains and sewers.

European Waste Catalogue : 16 10 01\* aqueous liquid wastes containing dangerous substances

Contaminated packaging : 15 01 10\* packaging containing residues of or contaminated by dangerous substances

---

**SECTION 14: Transport information**

**ADR**

**14.1 UN number** : 1719  
**14.2 Description of the goods** : CAUSTIC ALKALI LIQUID, N.O.S.  
(caustic potash, Sodium aluminate)  
**14.3 Class** : 8  
**14.4 Packing group** : III  
Classification Code : C5  
Labels : 8  
Tunnel restriction code : (E)  
**14.5 Environmentally hazardous** : no

**IATA**

**14.1 UN number** : 1719  
**14.2 Description of the goods** : Caustic alkali liquid, n.o.s.  
(caustic potash, Sodium aluminate)  
**14.3 Class** : 8  
**14.4 Packing group** : III  
Labels : 8  
**14.5 Environmentally hazardous** : no

**IMDG**

**14.1 UN number** : 1719  
**14.2 Description of the goods** : CAUSTIC ALKALI LIQUID, N.O.S.  
(caustic potash, Sodium aluminate)  
**14.3 Class** : 8  
**14.4 Packing group** : III  
Labels : 8  
EmS Number 1 : F-A

**SAFETY DATA SHEET**  
according to Regulation (EC) No. 1907/2006  
**Sika®-4A Waterstop**



Revision Date 14.06.2017

Version 5.1

Print Date 14.06.2017

EmS Number 2 : S-B  
**14.5 Marine pollutant** : no

**14.6 Special precautions for user**  
No data available

**14.7 Transport in bulk according to Annex II of Marpol and the IBC Code**  
Not applicable

---

**SECTION 15: Regulatory information**

**15.1 Safety, health and environmental regulations/legislation specific for the substance or mixture**

**Prohibition/Restriction**

REACH - Restrictions on the manufacture, placing on the market and use of certain dangerous substances, preparations and articles (Annex XVII) : Not applicable

REACH - Candidate List of Substances of Very High Concern for Authorisation (Article 59). : None of the components are listed (=> 0.1 %).

REACH - List of substances subject to authorisation (Annex XIV) : Not applicable

REACH Information: All substances contained in our Products are  
- preregistered or registered by our upstream suppliers, and/or  
- preregistered or registered by us, and/or  
- excluded from the regulation, and/or  
- exempted from the registration.

Seveso III: Directive 2012/18/EU of the European Parliament and of the Council on the control of major-accident hazards involving dangerous substances.  
Not applicable

VOC-CH (VOCV) : no VOC duties

VOC-EU (solvent) : Not applicable

If other regulatory information applies that is not already provided elsewhere in the Safety Data Sheet, then it is described in this subsection.

Health, safety and environmental regulation/legislation specific for the substance or mixture: : Environmental Protection Act 1990 & Subsidiary Regulations  
Health and Safety at Work Act 1974 & Subsidiary Regulations  
Control of Substances Hazardous to Health Regulations (COSHH)  
May be subject to the Control of Major Accident Hazards Regulations (COMAH), and amendments.

# SAFETY DATA SHEET

according to Regulation (EC) No. 1907/2006

## Sika®-4A Waterstop



Revision Date 14.06.2017

Version 5.1

Print Date 14.06.2017

### 15.2 Chemical safety assessment

This product contains substances for which Chemical Safety Assessments are still required.

### SECTION 16: Other information

#### Full text of H-Statements

|      |                                          |
|------|------------------------------------------|
| H290 | May be corrosive to metals.              |
| H302 | Harmful if swallowed.                    |
| H314 | Causes severe skin burns and eye damage. |
| H315 | Causes skin irritation.                  |
| H319 | Causes serious eye irritation.           |
| H335 | May cause respiratory irritation.        |

#### Full text of other abbreviations

|             |                                                                                                                                                                                                                                      |
|-------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Acute Tox.  | Acute toxicity                                                                                                                                                                                                                       |
| Eye Irrit.  | Eye irritation                                                                                                                                                                                                                       |
| Met. Corr.  | Corrosive to metals                                                                                                                                                                                                                  |
| Skin Corr.  | Skin corrosion                                                                                                                                                                                                                       |
| Skin Irrit. | Skin irritation                                                                                                                                                                                                                      |
| STOT SE     | Specific target organ toxicity - single exposure                                                                                                                                                                                     |
| ADR         | Accord européen relatif au transport international des marchandises Dangereuses par Route                                                                                                                                            |
| CAS         | Chemical Abstracts Service                                                                                                                                                                                                           |
| DNEL        | Derived no-effect level                                                                                                                                                                                                              |
| EC50        | Half maximal effective concentration                                                                                                                                                                                                 |
| GHS         | Globally Harmonized System                                                                                                                                                                                                           |
| IATA        | International Air Transport Association                                                                                                                                                                                              |
| IMDG        | International Maritime Code for Dangerous Goods                                                                                                                                                                                      |
| LD50        | Median lethal dosis (the amount of a material, given all at once, which causes the death of 50% (one half) of a group of test animals)                                                                                               |
| LC50        | Median lethal concentration (concentrations of the chemical in air that kills 50% of the test animals during the observation period)                                                                                                 |
| MARPOL      | International Convention for the Prevention of Pollution from Ships, 1973 as modified by the Protocol of 1978                                                                                                                        |
| OEL         | Occupational Exposure Limit                                                                                                                                                                                                          |
| PBT         | Persistent, bioaccumulative and toxic                                                                                                                                                                                                |
| PNEC        | Predicted no effect concentration                                                                                                                                                                                                    |
| REACH       | Regulation (EC) No 1907/2006 of the European Parliament and of the Council of 18 December 2006 concerning the Registration, Evaluation, Authorisation and Restriction of Chemicals (REACH), establishing a European Chemicals Agency |
| SVHC        | Substances of Very High Concern                                                                                                                                                                                                      |
| vPvB        | Very persistent and very bioaccumulative                                                                                                                                                                                             |

The information contained in this Safety Data Sheet 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 product data sheet prior to any use and processing.



Changes as compared to previous version !

SAFETY DATA SHEET  
according to Regulation (EC) No. 1907/2006  
**Sika®-4A Waterstop**



Revision Date 14.06.2017

Version 5.1

Print Date 14.06.2017

---