



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

**1.1. Product identifier**

Asplit® K14 Solution

**Art.-No.**

5920240, 5920245, 5920250

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

**Use of the substance/mixture**

bonding material

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

Company name: TIP TOP Oberflächenschutz Elbe GmbH

Street: Heuweg 4

Place: D-06886 Wittenberg

Telephone +49(0)3491/635-50

Telefax +49(0)3491/635-552

Responsible for the safety data sheet: sds@gbk-ingelheim.de

**1.4. Emergency telephone**

INTERNATIONAL: +49 - (0) 6132 - 84463, GBK GmbH (24h - 7d/w - 365d/a)

**number:**

England and Wales: NHS Direct - 0845 4647; Scotland: NHS 24 - 08454 24 24  
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**SECTION 2: Hazards identification**

**2.1. Classification of the substance or mixture**

This mixture is not classified as hazardous according to Directive 1999/45/EC.

**GHS classification**

This mixture is not classified as hazardous according to Regulation (EC) No. 1272/2008.

**2.2. Label elements**

**Special labelling of certain mixtures**

EUH210 Safety data sheet available on request.

**2.3. Other hazards**

High risk of slipping due to leakage/spillage of product.

**SECTION 3: Composition/information on ingredients**

**3.2. Mixtures**

**Chemical characterization**

Mixture containing following substances with additives

**Hazardous components**

EC No	Chemical name	Quantity
CAS No	Classification	
Index No	GHS classification	
REACH No		
215-199-1	Potassium silicate	20 - 40 %
1312-76-1	C - Corrosive R34	
	Met. Corr. 1, Skin Corr. 1B, Eye Dam. 1, STOT SE 3; H290 H314 H318 H335	
01-2119456888-17		

Full text of R-, H- and EUH-phrases: see section 16.

**Further Information**

Specific concentration limits

C > 50% => Skin Corr. 1, H314

38% < C < 50% => Eye Dam. 1, H318, Skin Irrit. 2, H315

33% < C < 38% => Eye Irrit. 1, H319, Skin Irrit. 2, H315

STOT SE. 1, H335 (Powder)



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## SECTION 4: First aid measures

### 4.1. Description of first aid measures

#### **General information**

Remove contaminated soaked clothing immediately.

Call a physician immediately.

#### **After inhalation**

Move to fresh air in case of accidental inhalation of vapours.

In the event of symptoms refer for medical treatment.

#### **After contact with skin**

In case of contact with skin wash off immediately with plenty of water.

Consult a doctor if skin irritation persists.

#### **After contact with eyes**

Rinse immediately with plenty of water, also under the eyelids, for at least 15 minutes.

Consult (eye) doctor immediately.

#### **After ingestion**

Do not induce vomiting.

Rinse out mouth and give plenty of water to drink.

Never give anything by mouth to an unconscious person.

Summon a doctor immediately.

Induce vomiting only upon the advice of a physician.

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

Possibility of strong irritations in the case of contact with eye-, skin or mucous membranes because of the high ph-value.

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

Treat symptoms.

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## SECTION 5: Firefighting measures

### 5.1. Extinguishing media

#### **Suitable extinguishing media**

Product does not burn, fire-extinguishing activities according to surrounding.

#### **Unsuitable extinguishing media**

Full water jet.

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

Not known.

### 5.3. Advice for firefighters

In case of fire, wear suitable respiratory equipment with positive air supply.

Protective suit.

#### **Additional information**

Cool containers at risk with water spray jet.

Fire residues and contaminated firefighting water must be disposed of in accordance with the local regulations.

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## SECTION 6: Accidental release measures

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

Use personal protective clothing.

Avoid contact with skin, eyes and clothing.

High risk of slipping due to leakage/spillage of product.

### 6.2. Environmental precautions

Clean contaminated surface thoroughly.

Do not discharge into the drains/surface waters/ground water.

### 6.3. Methods and material for containment and cleaning up

Soak up with inert absorbent material (e.g. sand, silica gel, acid binder, universal binder).

Shovel into suitable container for disposal.

### 6.4. Reference to other sections

Observe protective instructions (see Sections 7 and 8).



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Information for disposal see section 13.

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## **SECTION 7: Handling and storage**

### **7.1. Precautions for safe handling**

#### **Advice on safe handling**

Keep container tightly closed.

Avoid contact with skin, eyes and clothing.

#### **Advice on protection against fire and explosion**

No special protective measures against fire required.

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

#### **Requirements for storage rooms and vessels**

Keep container tightly closed in a dry, cool and well-ventilated place.

Keep from freezing.

Do not use aluminium or light metal containers for warehousing.

#### **Advice on storage compatibility**

Incompatible with acids.

#### **Further information on storage conditions**

Keep away from food, drink and animal feeding stuffs.

### **7.3. Specific end use(s)**

bonding material

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## **SECTION 8: Exposure controls/personal protection**

### **8.1. Control parameters**

### **8.2. Exposure controls**

#### **Appropriate engineering controls**

Ensure adequate ventilation, especially in confined areas.

#### **Protective and hygiene measures**

Wash hands before breaks and immediately after handling the product.

When using do not eat, drink or smoke.

Remove and wash contaminated clothes before re-use.

Avoid contact with eyes, skin or mucous membrane.

#### **Eye/face protection**

Tightly fitting goggles (EN 166).

Eye wash bottle with pure water (EN 15154).

#### **Hand protection**

Protective gloves resistant to chemicals made off natural-rubber latex, minimum coat thickness 0.6 mm, permeation resistance (wear duration) approx. 480 minutes, i.e. protective glove <Lapren 706> made by www.kcl.de.

This recommendation refers exclusively to the chemical compatibility and the lab test conforming to EN 374 carried out under lab conditions.

Requirements can vary as a function of the use. Therefore it is necessary to adhere additionally to the recommendations given by the manufacturer of protective gloves.

Pls. find examples in the protective gloves database under: <http://bestglove.com/site/chemrest/>

#### **Skin protection**

Long sleeved clothing (EN 368).

#### **Respiratory protection**

No personal respiratory protective equipment normally required.

Breathing apparatus in the event of aerosol or mist formation. Short term: filter apparatus, Filter B

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## **SECTION 9: Physical and chemical properties**

### **9.1. Information on basic physical and chemical properties**

Physical state:	Liquid
Colour:	Colourless, clear
Odour:	Odourless

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pH-Value (at 20 °C):	Alkaline
Initial boiling point and boiling range:	100 °C
Flash point:	n.a.
Lower explosion limits:	n.d.
Upper explosion limits:	
Density (at 20 °C):	n.d.
Water solubility: (at 20 °C)	Completely miscible
Ignition temperature:	n.d.

## **9.2. Other information**

No data available.

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## **SECTION 10: Stability and reactivity**

### **10.1. Reactivity**

No decomposition if stored and applied as directed.

### **10.2. Chemical stability**

Stable under normal conditions.

### **10.3. Possibility of hazardous reactions**

Exothermic reaction with strong acids.

### **10.4. Conditions to avoid**

To avoid thermal decomposition, do not overheat.

### **10.5. Incompatible materials**

Acids.

### **10.6. Hazardous decomposition products**

No hazardous decomposition products known.

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## **SECTION 11: Toxicological information**

### **11.1. Information on toxicological effects**

#### **Acute toxicity**

Based on available data, the classification criteria are not met.

LD50/oral/rat: > 5000 mg/kg

LD50/dermal/rabbit: > 5000 mg/kg

#### **Irritation and corrosivity**

Based on available data, the classification criteria are not met.

#### **Sensitising effects**

Based on available data, the classification criteria are not met.

#### **STOT-single exposure**

Based on available data, the classification criteria are not met.

#### **Severe effects after repeated or prolonged exposure**

Based on available data, the classification criteria are not met.

#### **Carcinogenic/mutagenic/toxic effects for reproduction**

Based on available data, the classification criteria are not met.

#### **Aspiration hazard**

Based on available data, the classification criteria are not met.

#### **Additional information on tests**

Classification in compliance with the assessment procedure specified in the Regulation (EC) no 1272/2008.

#### **Practical experience**

#### **Other observations**

Possibility of strong irritations in the case of contact with eye-, skin or mucous membranes because of the high ph-value.

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## **SECTION 12: Ecological information**



### **12.1. Toxicity**

LC50/Leuciscus idus/48 h > 146 mg/l

EC50/Daphnia magna/24 h > 146 mg/l

### **12.2. Persistence and degradability**

Methods for the determination of biodegradability are not applicable to inorganic substances.

### **12.3. Bioaccumulative potential**

There is no indication of bioaccumulation potential.

### **12.4. Mobility in soil**

No data available.

### **12.5. Results of PBT and vPvB assessment**

According to Regulation (EC) No 1907/2006 (REACH) none of the substances, contained in this product are a PBT / vPvB substance.

### **12.6. Other adverse effects**

Low hazard to waters.

A pH-change becomes possible in water. A pH-change becomes possible in water.

### **Further information**

Do not flush into surface water or sanitary sewer system.

The product is an alkaline solution. Neutralization is normally necessary before a waste water is discharged into sewage treatment plants.

When low concentrations are discharged correctly into adapted biological sewage treatment plants, interference with the degradation activity of activated sludge is not likely.

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## **SECTION 13: Disposal considerations**

### **13.1. Waste treatment methods**

#### **Advice on disposal**

Where possible recycling is preferred to disposal.

Can be incinerated, when in compliance with local regulations.

#### **Waste disposal number of waste from residues/unused products**

080409 WASTES FROM THE MANUFACTURE, FORMULATION, SUPPLY AND USE (MFSU) OF COATINGS (PAINTS, VARNISHES AND VITREOUS ENAMELS), ADHESIVES, SEALANTS AND PRINTING INKS; wastes from MFSU of adhesives and sealants (including waterproofing products); waste adhesives and sealants containing organic solvents or other dangerous substances  
Classified as hazardous waste.

#### **Contaminated packaging**

Contaminated packagings are to be treated like the product itself.

Contaminated packaging should be emptied as far as possible and after appropriate cleansing may be taken for reuse.

Packaging that cannot be cleaned should be disposed of like the product.

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## **SECTION 14: Transport information**

**Land transport (ADR/RID); Marine transport (IMDG); Air transport (ICAO); Inland waterways transport (ADN)**

### **14.1. UN number:**

No hazardous material as defined by the transport regulations.

### **14.2. UN proper shipping name:**

No hazardous material as defined by the transport regulations.

### **14.3. Transport hazard class(es):**

No hazardous material as defined by the transport regulations.

### **14.4. Packing group:**

No hazardous material as defined by the transport regulations.

### **14.5. Environmental hazards**

No hazardous material as defined by the transport regulations.

### **14.6. Special precautions for user**

No hazardous material as defined by the transport regulations.

### **14.7. Transport in bulk according to Annex II of MARPOL73/78 and the IBC Code**

No hazardous material as defined by the transport regulations.



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## SECTION 15: Regulatory information

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

#### EU regulatory information

1999/13/EC (VOC): 0 %

#### National regulatory information

Employment restrictions: Observe employment restrictions for young people. Observe employment restrictions for child bearing mothers and nursing.

### 15.2. Chemical safety assessment

For this substance a chemical safety assessment has not been carried out.

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## SECTION 16: Other information

### Abbreviations and acronyms

ADR = Accord européen relatif au transport international des marchandises Dangereuses par Route

RID = Règlement concernant le transport international ferroviaire de marchandises dangereuses

ADN = Accord européen relatif au transport international des marchandises dangereuses par voie de navigation intérieure

IMDG = International Maritime Code for Dangerous Goods

IATA/ICAO = International Air Transport Association / International Civil Aviation Organization

MARPOL = International Convention for the Prevention of Pollution from Ships

IBC-Code = International Code for the Construction and Equipment of Ships Carrying Dangerous Chemicals in Bulk

GHS = Globally Harmonized System of Classification and Labelling of Chemicals

REACH = Registration, Evaluation, Authorization and Restriction of Chemicals

CAS = Chemical Abstract Service

EN = European norm

ISO = International Organization for Standardization

DIN = Deutsche Industrie Norm

PBT = Persistent Bioaccumulative and Toxic

LD = Lethal dose

LC = Lethal concentration

EC = Effect concentration

IC = Median immobilisation concentration or median inhibitory concentration

### Relevant R-phrases (Number and full text)

34 Causes burns.

### Relevant H- and EUH-phrases (Number and full text)

H290 May be corrosive to metals.

H314 Causes severe skin burns and eye damage.

H318 Causes serious eye damage.

H335 May cause respiratory irritation.

EUH210 Safety data sheet available on request.

### Further Information

Data of items 4 to 8, as well as 10 to 12, do partly not refer to the use and the regular employing of the product (in this sense consult information on use and on product), but to liberation of major amounts in case of accidents and irregularities.

The information describes exclusively the safety requirements for the product(s) and is based on the present level of our knowledge.

The delivery specifications are contained in the corresponding product sheet.

This data does not constitute a guarantee for the characteristics of the product(s) as defined by the legal warranty regulations.

(n.a. = not applicable; n.d. = not determined)

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*(The data for the hazardous ingredients were taken respectively from the last version of the sub-contractor's safety data sheet.)*