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**1. Identification of the substance/mixture and of the company/undertaking**Trade name: **AUCO CALK**

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**2. Hazards identification****2.1 Classification of the substance or mixture**Type of product: **Mixture**

Classification (Regulation) (EG)1272/2008 (CLP/GHS) not listed

**Ingredients with not known eco-toxicity**

Present point of the ingredients in the mixture with unknown hazard for the aquatic environment: >25%

**Classification according to 1999/45EG (Zubereitungsrichtlinie)**

The product is according to regulation 1999/45EG not a hazardous substance or mixture.

Classification: not listed

**2.2. Labels elements**

GHS 05

Signal word: Corrosive

Hazard statements: H290: May be corrosive to metals  
H314: Causes severe skin burns and eye damage

Precautionary statements: P102: Keep out of reach of children  
P280: Wear protective gloves/eye protection/face protection  
P302/350: If on skin: Gently wash with plenty of soap and water  
P305/351/338: If in eyes: rinse cautiously with water for several minutes.  
Remove contact lenses, if present and easy to do  
Continue rinsing.

Storage see point 7

Waste disposal see point 13

Supplementary  
discriptions no data available

**2.3. Other hazards**

None known

**3. Composition/information on ingredients****3.1 Substances**

Chemical definition: water solution

Type: mixture

**3.2 Mixtures:****Hazards components**

Chemical name (Concentration)

Chemical name	EINECS	Concentration	Classification
Phosphoric acid 7664-38-2	231-633-2	>25%	H290 May be corrosive to metals 1 H314 Causes severe skin burns and eye damage

(Concentration: Skin 1B-H314: &gt;25% / Skin 2-H315: &lt;=25% / Eye 2-H319: &gt;=25%)

**4. First aid measures:****4.1. Description of first aid measures**

Take off contaminated clothing. If you feel unwell, call a doctor.

**If inhaled:** Move to fresh air. By irritation of the respiratory tract: Consult a doctor**In case of skin contact:** Wash with plenty of soap and water.**In case of eye contact:** Remove contact lenses, if present and easy to do. Rinse cautiously with water for several minutes. Get medical advice/attention.**If swallowed:** Clean mouth with water and drink afterwards plenty of water.  
Avoid vomiting.**4.2. Most important symptoms and effects, both acute and delayed****Possible acute effects to the health**

Inhalation: no specific effects or dangers known

Skin contact: no specific effects or dangers known

**Signals/Symptoms of overexposure**

Inhalation: no specific data

Skin contact: no specific data

Eye contact: no specific data

Swallowing: gastrointestinal disorder

**4.3. Indication of any immediate medical attention and special treatment needed****Notes for the doctor:** Treat symptomatically. Danger of perforation of the stomach**Special treatment:** no special treatment**5. Firefighting measures****Suitable extinguishing agents:** dry agents, water, foam, foam  
(alcohol - resistant)  
Extinguishing agents according to the environment.**AUCO CALK is not flammable!****Unsuitable extinguishing agents:** water in solid stream

**Other information:**

Protective equipment: Protect eyes, face and hands

Collect contaminated fire water separate, it must not get in the canalization or waste water. Waste of fire and contaminated fire water must be disposed according the official regulations.

## **6. Accidental release measures**

### **6.1 Personal precautions**

Avoid eye / skin contact and inhalation.

Wear suitable protective clothing and gloves – take off contaminated clothing.

Keep out unprotected persons.

Ensure adequate ventilation.

### **6.2 Environmental precautions**

Avoid spreading and flow of the released material and the contact with earth, waters, drainages and sewage pipes. Inform the competent authority, if environment load have been causes through the product (waste water systems, surface water, soil or air).

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

#### **Small released quantity**

Remove leakage, if danger-free possible. Remove container out of the exit portal. Small amounts flush with plenty of water. Alternative absorb with a dry material and put it in a suitable waste container. Disposal with an authorized waste management company.

#### **Large released quantity**

Remove leakage, if danger-free possible. Remove container out of the exit portal. Avoid the contact with water, cellars or closed areas. Rinse contaminated material in a sewerage disposal facility or do the following: Isolate contaminated material with fireproof material (e.g.: sand, soil, diatomite) and give it to an authorized waste management company in a suitable waste container. Disposal with an authorized waste management company.

## **7. Handling and storage**

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

No special measures needed when properly handled.

Use only in well ventilated places.

Keep container closed.

At the workplace do not eat, drink or smoke.

Wash hands after use.

Do not mix with chlorinated products.

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

The product is not flammable and not explosive.

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

Prevent penetration into the ground.

Use only containers, which are specially allowed for the product.

Keep container tightly closed.

**Requirements to storage rooms and container:**

Authorities directions for storage of water risking goods have to be observed.

**Storage with other goods:**

Storage separately from alkaline products

Do not store with food or semiluxury food.

**Other information for the storage conditions:**

Store frost free.

Store container in well ventilated places.

Protect against soilings.

Protect from heat and direct sunlight.

Storage class according TRGS 510: 8B.sr. : No flammable corrosive substance

**8. Exposure controls/personal protection****8.1 Control parameters:**

**Workplace control parameters** no exposure limit known

**Recommended monitoring process:**

If this product contains ingredients with exposure limits, a personal, atmospheric (based on the work place) or biological control can be necessary, to find out the effectiveness of the air supply or other arrangements for inspections and/or the necessity of using of respirators.

**Derived effect concentrations:** no DEL-data available

**Predicted effect concentrations:** no PEC-data available

**8.2 Exposure controls****Suitable technical control procedures**

Ensure adequate ventilation

Keep away from heat

**Personal protection****General protection**

Keep away from food, beverages and fodder.

Take off contaminated clothing.

Avoid inhalation.

Avoid contact with eyes and skin

After work take care of detailed cleaning of the skin.

At the workplace do not eat, drink or smoke.

**Respiratory protection:**

Respirator selection must be based on known or anticipated exposure levels

Ensure adequate ventilation.

**Hand protection:**

Acid – proof working gloves

Material of the gloves: nitril rubber, rubber or neoprene

The choice of suitable gloves is not only from the material, but also depending of other quality attributes and variable from producer to producer.

**Eye protection:**

Safety glasses.

**Body protection:**

Acid – proof working clothing

### Environmental exposure controls

Emissions of ventilation systems should be reviewed, to make sure that they are adequate for the needs of the environmental protection requirements. In some cases it will be necessary for technical modifications on the technical installations, to reduce the emissions on acceptable results.

## 9. Physical and chemical properties

### 9.1 Information on basic physical and chemical properties

Appearance:	liquid
Colour:	light red
Odour:	mild
Odour threshold:	no data available
Flashpoint:	> 100° C
Melting point:	no data available
Flash point:	no data available
Spontaneous ignition:	no
Danger of explosion:	not explosive
Solubility in water:	complete mixable
Compactness:	1,69 g/cm <sup>3</sup>
ph:	2,1
Viscosity:	-.-

### 9.2. Other information

No data available.

## 10. Stability and reactivity

### 10.1 Reactivity

No hazardous reactions known.

### 10.2. Chemical stability

The product is chemically stable.

### 10.3. Possibility of hazardous reactions

Stable under recommended storage conditions.

### 10.4. Conditions to avoid

Do not mix with alkaline products.

### 10.5. Incompatible materials

Contact with sodium solution of hydrochloric, causes chloric gas.

### 10.6. Hazardous decomposition products

None, by appropriate utilization.

## 11. Toxicological information

### 11.1 Information on toxicological effects

#### Acute toxicity

**Summary** no data available  
**Estimate acute Toxicity** no data available

#### Irritation/corrosive injury

**Summary** no data available

#### Sensitizing Substance

**Summary** no data available

#### Germ Cell Mutagenicity

**Summary** no data available

#### Carcinogenicity

**Summary** no data available

#### Reproductive toxicity

**Summary** no data available

#### Teratogenicity

**Summary** no data available

#### Specific Target Organ

**Toxicity – Single Exposure** no data available

#### Specific Target Organ

**Toxicity – Repeated Exposure** no data available

#### Aspiration Hazard

no data available

#### Information to probably exposures

no data available

#### Possible acute effects to the health

**Inhalation:** May cause respiratory irritation  
**Ingestion:** Harmful if swallowed  
**Skin contact:** Causes skin irritation  
**Eye contact:** Causes serious eye irritation

#### Symptoms in the context of the physical, chemical and toxicological properties:

**Inhalation:** no data available  
**Ingestion:** no data available  
**Skin contact:** no data available  
**Eye contact:** no data available

## Delayed and immediately tensile effects as well as chronic effects after short or long lasting exposure

### Short time exposure

<b>Possible immediate effects</b>	corrosive
<b>Possible delayed effects</b>	no data available

### Long time exposure

<b>Possible immediate effects</b>	corrosive
<b>Possible delayed effects</b>	no data available

## Possible chronic effects to the health

<b>Summary</b>	no data available
<b>General</b>	no specific effects or dangers known
<b>Carcinogenicity</b>	no specific effects or dangers known
<b>Teratogenicity</b>	no specific effects or dangers known
<b>Effects to the development</b>	no specific effects or dangers known
<b>Effects to the reproductiveness</b>	no specific effects or dangers known
<b>Other information</b>	no data available

## 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

<b>PBT</b>	no information available
<b>vPvB</b>	no information available

### 12.6. Other adverse effects:

no data available

## 13. Disposal considerations:

### 13.1 Waste treatment methods

The claimed disposal code number of the European Waste Catalogues refers to the product and not on processed products and mixture. According to the soiling and source other disposal code numbers could be needed. In the case of doubt ask the local waste disposal expert.

Disposal code: 06 01 04 Phosphoric acid

**Uncleaned packing:**

Not contaminated packing can be given to Recycling.  
Not cleanable packing is to dispose just like the material.

15 01 10 Packing, which contains residuals of hazardous material or contaminated packing through these materials

**Recommended cleaning:**

Water, if necessary with cleansing agents.

**14. Transport Information:**

	ADR	IMDG	IATA
14.1 UN-number	1805	1805	1805
14.2. Description of goods	Phosphoric acid, solution		
14.3 Class	8	8	8
14.4 Packing group	III	III	III

**15. Regulatory information:**

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

**EG Regulation(EG) 1907/2008 (REACH)**

**Annex XIV – Candidate List of Substances of very High Concern for Authorisation**

None of the components is listed.

**Annex XVII – Restrictions on the manufacture, placing on the market and use of certain dangerous substances, preparations and articles**

No information available

**National regulations:**

Water hazard class: WGK 1 - low hazardous to water according VwVwS (Germany) from 17.05.1999, Schedule 2

**16. Other information**

This product should be stored, handled and used in accordance with good industrial hygiene practices and in conformity with any legal regulation.

#### **Notice**

The information contained in this Safety Data Sheet corresponds to our level of knowledge at the time of publication and is intended to describe our products from the point of view of safety requirements. It does not guarantee any specific properties. All warranties are excluded.

After our knowledge the contained information are correct. The above-named supplier does not take over however no liability regarding the correctness or completeness of the declared information. The ultimate decision of the suitability of each material rest on singulary in the responsibility of the user.  
All materials can include unknown risks and are therefore used with attention. Herein there are designated risks described, but we can however not guarantee, that these are the only possible risks.

#### **Training requirements:**

For adequate information, instructions and training is the user responsible.

#### **Abbreviations:**

<b>WGK</b>	- Water hazard class
<b>VwVwS</b>	- Administrative Regulation on Substances Hazardous to Waters
<b>PBT/vBvP</b>	- Persistent, Bioaccumulative, Toxic – PBT / very Bioaccumulative, very Persistent
<b>TRGS</b>	- Technical Rules of Hazardous Substances