

## 1 Identification of Material / Mixture and Company / Distributor

### 1.1. Identification of Material / Mixture

**Trade Name:** CERMIJOINT 2-10 HRC

### 1.2. Specified or recommended usage of substance/admixture

Cement based, plasticized fast setting grouting material with improved chemical resistance to alkalies and weak acids and high flexibility and water repellency.

### 1.3. Details of the supplier of the MSDS

**Company name:** Koramic Yapı Kimyasalları  
Bozüyük OSB 10.Cad No : 3 Bozüyük/BİLECİK  
Tel: +90 228 314 63 00  
Fax: +90 228 314 63 05  
SDS contact person: yasemin.karel@koramic.com.tr

**1.4. Emergency Telephone:** +90 228 314 63 00(On weekdays, during working hours)

**NATIONAL POISON INFORMATION CENTER: 114**

## 2. Hazard Identification

### 2.1. Classification of the substance or mixture

The product is not classified as harmful for health and environment.

### 2.2. Label Elements

No

**Signal Word:** -

#### Precaution

**P 280** Wear protective gloves / protective clothing / eye protection / face protection.  
**P 261** Avoid breathing dust / fume / gas / mist / vapor / spray.

#### Intervention

**P 302 + P 352** IF ON SKIN: Wash with plenty of soap and water.  
**P305 + P 351 + P 338** IF IN EYES: Rinse cautiously with water for several minutes. Remove the contact lenses, if present and easy to do. Keep rinsing.

- P 310** Call NATIONAL THE NATIONAL POISON ADVISORY CENTER (114) or physician / nursery.
- P 333 + P 313** If skin irritation or rash occurs: Get medical advice / attention.
- P 405** Store locked up.
- Disposal**
- P 501** Dispose of contents / container in accordance with local regulations.

### 2.3. Other Hazards

Portland cement clinker may cause an allergic reaction in some people due to include water soluble Cr (VI) in the dust.

## 3 Information on Composition / Contents

### 3.1. Materials

Not relevant information.

### 3.2. Mixtures

Material	CAS Number	Concentration (%)	H statements
Aluminium Oxide	1344-28-1	0-20	This material has not been classified as dangerous according to Directive 67/548 / EEC, 1272/2008 / EC and local regulations.
Calcium Aluminate	65997-16-2	0-5	This material has not been classified as dangerous according to Directive 67/548 / EEC, 1272/2008 / EC and local regulations.
Quartz	14808-60-7	10-60	This material has not been classified as dangerous according to Directive 67/548 / EEC, 1272/2008 / EC and local regulations.

## 4 First Aid Measures

### 4.1. Identification of First Aid Measures:

**General information:** Remove your contaminated clothes and wash them before reusing.

**After breathing:** Take out the victim to fresh air and hold it in a comfortable position for easy breathing. If coughing and other symptoms increase, consult medical attention. Long-lasting respirable crystallized silica may induce the formation of silicosis disease

when exposed to exposure values exceeding the limits allowed.

**After skin contact:** Wash with cold water and soap with neutral pH or a mild detergent. Request medical treatment when exposed to wet cement, cement mixes, fresh cement products, liquid or dry cement for a long time. If skin irritation is concerned: Medical assistance / intervention is required.

**After eye contact:** Continue to rinse for at least 15 minutes with eyelids open to remove all particles. Wash eyes thoroughly with water. Remove the contact lenses, if easy to remove and available. Keep rinsing. If eye irritation persists: Medical assistance / care is required.

**If swallowing:** Do not make the exposed person vomit. If he/she is conscious, make him/her drink plenty of water and call a doctor immediately. If the symptoms continue, call a doctor.

**First-Aid self-protection:** Protect your skin and eyes.

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

It can cause irritation in the eyes and skin.

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

Treated symptomatically.

# 5 Fire Fighting Measures

## 5.1. Extinguishing media:

Product is non-flammable under normal conditions of storage, handling and use.

<b>Suitable extinguishing media</b>	:Use suitable fire extinguishers to suit local and environmental conditions.
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**Unsuitable extinguishing media** : Intensive water currents

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

The product is not flammable, it is not explosive, and does not enable or feed combustion in other materials.

## 5.3. Advice for firefighters

In case of fire, wear self-contained breathing apparatus and all protective clothing.

## **6 Accidental release measures**

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

Provide adequate ventilation.

Avoid actions that will cause dust to form.

Avoid breathing dust and contacting with skin. Use personal protective equipment.

### **6.2. Environmental precautions**

Avoid mixing with drainage systems, soil or water.

Notify the competent authorities in case of water or sewerage pollution.

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

Collect the dry material mechanically and store in a suitable (vacuum) container.

Prevent dust formation.

If the spreading product is wet, wait until it freezes.

Avoid breathing dust and contacting with skin. Keep children away during cleaning.

Use personal protective equipment.

### **6.4 References to other sections**

Section to be reviewed: 13

## **7 Handling and Storage**

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

Make sure that the necessary ventilation is done. If ventilation is inadequate, use respiratory protection. Avoid contact with skin, eyes or clothing. Use protective gloves / protective clothing / eye protection / face protective materials. Since the bags are heavy, it can cause a variety of physical aches during back and forth movement (back, waist, spine, arms and legs pain and irritation). Do not eat, drink, do not smoke while using the product.

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

Keep in a dry, cool, well-ventilated place.

#### **Storage:**

Storage temperature

:Environmental

Storage life

: Stable under normal conditions.

Incompatible materials

: Strong acids, acid chlorides, acid anhydrides, chloroformates should be avoided. Avoid contact with aluminum, copper and their alloys.

**7.3. Specific final uses:** Not specified.

**8 Exposure controls / personal protection**

**8.1. Control parameters**

**8.1.1. Occupational Exposure Limits**

Name of Material	CAS No	Long-term TWA(8 hours) (mg/m <sup>3</sup> )	Source
Aluminium Oxide	1344-28-1	15(toplam) 5(solunabilir)	OSHA PEL
Calcium Aluminate	65997-16-2	5	ACGIH
Quartz sand, not respirable inhalable dust respirable dust	14808-60-7	10 4 0.1 mg/m <sup>3</sup> (Quartz (crystalline silica), respirable)	OSHA PEL

**8.2. Exposure controls**

**8.2.1. Appropriate engineering controls**

Provide aspiration in powder form.

Technical protective measures always take precedence over personal protective equipment.

See Chapter 7.

**8.2.2. Personal Protective Equipment**

**Ventilation:** Ensure that the area is always well ventilated.

**Protect the respiratory system:** Avoid any action that may cause dust to form in the air. Cement dust may cause inflammation on the outer surfaces of the tissues inside the nose. Use CE certified respirators / masks.

**Protection of skin:** The product can cause allergic dermatitis in people with high sensitivity. (The product can contain a +6 valent chromium salt and its compounds or some toxic or dangerous chemical forms of other metals in the amount of cement work in its composition (less than 0,05%).) To protect the skin from prolonged contact, use gloves which are not permeable, resistant to abrasion and alkali reactions.

**Eye protection:** Use goggles to protect the product from dusting or splashing with water.

## 9 Physical and chemical properties

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

**Appearance:** The powder can be in various colors according to the product characteristics. (White, gray)

**Odor:** Odorless  
**Physical status:** Solid  
**Vapor pressure:** Not applicable.  
**Relative Density:** 800-1.500 kg / m<sup>3</sup>  
**PH:** approx. 12 (at 20 ° C) in mortar form  
**Boiling point:** Not applicable.  
**Melting point:** Not applicable.  
**Solubility in water:** <50 gr / 1000 cm<sup>3</sup>

## 10 Stability and Reaction

**10.1. Reactivity:** No data available.  
**10.2. Chemical stability:** It is stable under normal conditions.  
**10.3. Possibility of hazardous reactions:** No dangerous reaction is known under normal conditions of use.  
**10.4. Conditions to avoid:** Avoid contact with humidity.  
**10.5 Incompatible materials:** No data available.  
**10.6. Hazardous decomposition products:** No data available.

## 11 Toxicological Information

### 11.1. Information on toxicological effects

No data available.

#### 11.1.1. Substances

No toxicological data available for the substances.

#### 11.1.2. Mixture

##### Skin corrosion/skin irritation :

Corrosivity : No observed effect.

Species : Rabbit

OECD Guideline 404 (Acute Dermal Irritation / Corrosion)

**Serious damage to eyes/eye irritation :**

No observed effect.

Dust may cause slight irritation to the ocular mucous membranes due to the presence of a foreign body.

Corneal haze : Average score < 1  
Duration of exposure : 72 h  
Species : Rabbit

OECD Guideline 405 (Acute Eye Irritation / Corrosion)

Iritis : Average score < 1  
Duration of exposure : 72 h  
Species : Rabbit

OECD Guideline 405 (Acute Eye Irritation / Corrosion)

Conjunctival redness : Average score < 2  
Duration of exposure : 72 h  
Species : Rabbit

OECD Guideline 405 (Acute Eye Irritation / Corrosion)

Conjunctival oedema : Average score < 2  
Duration of exposure : 48 h  
Species : Rabbit

OECD Guideline 405 (Acute Eye Irritation / Corrosion)

**Respiratory or skin sensitisation :**

The product does not contain measurable amounts of soluble Chromium (VI) (<2ppm)

**Specific target organ systemic toxicity - single exposure :**

Dust from this product may cause irritation to the respiratory tract

<b>12 Ecological Information</b>
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The product must not be allowed to run into drains or waterways.

## **12.1. Toxicity**

### **12.1.1. Substances**

CEMENT, ALUMINA, CHEMICALS (CAS: 65997-16-2)

- Fish toxicity :

CL50 > 100 mg/l - NOEC > 100 mg/l

Oncorhynchus mykiss - 96 h - OECD 203

- Crustacean toxicity :

CE50 = 6.6 mg/l - NOEC = 1.8 mg/l

Daphnia magna - 48 h - OECD 202

- Algae toxicity :

CEr50 > 5.6 mg/l - NOEC = 3.2 mg/l

Pseudokirchnerella subcapitata - 72 h - OECD 201

### **12.1.2. Mixtures**

No aquatic toxicity data available for the mixture.

## **12.2. Persistence and degradability**

After hydration (several hours or several days under humid conditions), the product is stable in soil and in water, with a negligible mobility of its components.

## **12.3. Bioaccumulative potential**

Not relevant because cement is inorganic.

# **13 Disposal Information**

**13.1. Waste treatment methods:** Wastes should be disposed of in accordance with national legislation. Make sure the bags are completely empty. Deliver empty bags to recycling companies that accept waste paper.



**13.2 Additional Information:** If this product has been altered or contaminated with other dangerous substances, waste analysis may be necessary to determine the appropriate method for disposal.

## 14 Transportation Information

**14.1 UN number** :Not relevant

**14.2 Suitable UN transportation name** :Not relevant

**14.3 Transportation hazardous classification(s)** :Not relevant

**14.4 Group of packaging** :Not relevant

**14.5 Environmental damages** :Not relevant

**14.6 Special precautions for users** :Not relevant

**14.7 MARPOL 73/78 appendix II and bulk transportation according to IBC code** :Not applicable

## 15 Regulatory information

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

This safety data sheet has been prepared / approved by accredited and authorized personnel in accordance with the requirements of the Regulation on Safety Data Sheets on Hazardous Substances and Mixtures (13/12 / 2014-29204). The Regulation on Classification, Labeling and Packing of the Articles and Mixtures dated 11/12/2013 has been taken into consideration in the classification.

## 16 Other Information

The information contained in this Safety Data Sheet is provided only for the latest information and findings. However, neither do they constitute a warranty nor do they constitute a contractual legal relationship. The information provided is for the safe storage, handling, transport and disposal of the product mentioned in this safety data sheet. This information is not used for other products.

### 16.1. Safety Data Sheet Prepared by:

Prepared by: Yasemin KAREL  
Certificate no: NBC/01.146.05  
Certificate validity date : 17.01.2021

### 16.2. Relevant Harmfulness and Precautionary Statements

H 315 Causes skin irritation.

H 317 May cause an allergic skin reaction.

H 318 Causes serious eye damage.  
H 335 May cause respiratory irritation.

### 16.3. Abbreviations

<b>ACGIH</b>	American Conference of Governmental Industrial Hygienist
<b>ADR</b>	European Agreement on Carriage of Dangerous Goods by Road
<b>CLP</b>	Regulation on the Classification, Labeling and Packing of Chemicals
<b>DSD</b>	Dangerous Goods Regulation (EC)
<b>IARC</b>	International Agency for Cancer Research
<b>IATA</b>	International Air Transport Association
<b>ICAO</b>	International Civil Aviation Authority
<b>IDLHs</b>	Dangerous for Life or Health Concentrations
<b>IMDG</b>	International Maritime Rules for Dangerous Goods
<b>mg/m<sup>3</sup></b>	The amount in milligrams of the substance found in 1 m <sup>3</sup> of air at 20 ° C and 101.3 KPa. (760 mm mercury pressure).
<b>NIOSH</b>	National Institute for Occupational Health and Safety
<b>NTP</b>	National Toxicology Program (USA)
<b>OSHA</b>	Occupational Safety and Health Administration (USA)
<b>PEL</b>	Permissible Exposure Limit
<b>ppm</b>	Amount in milliliters of 1 m <sup>3</sup> of airborne material (ml / m <sup>3</sup> )
<b>RID</b>	International Regulations for the Transport of Dangerous Goods by Rail
<b>SEA</b>	Regulation (TR) on Classification, Labeling and Packing of the Articles and Mixtures No. 28848 (Muk.) Dated 11 December 2013
<b>STEL</b>	Unless otherwise specified, the exposure upper limit value that should not be exceeded for a period of 15 minutes.
<b>TWA</b>	Time-weighted average measured or calculated for the 8-hour reference time