



Safety Data Sheet according to (EC) No 1907/2006

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SDS No. : 536880
V001.0

Ceresit CT 21

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Replaces version from:
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SECTION 1: Identification of the substance/mixture and of the company/undertaking

1.1. Product identifier

Ceresit CT 21

Contains:

Cement, portland, chemicals, low chromate

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

Intended use:

Special mortars

1.3. Details of the supplier of the safety data sheet

Henkel Central Asia & Caucasus LLP

Masanchi str. 78

050012 Almaty

Kazakhstan

Phone: +7 727 244 3399

SECTION 2: Hazards identification

2.1. Classification of the substance or mixture

Classification (CLP):

Skin irritation

Category 2

H315 Causes skin irritation.

Serious eye damage

Category 1

H318 Causes serious eye damage.

Specific target organ toxicity - single exposure

Category 3

H335 May cause respiratory irritation.

Target organ: respiratory tract irritation

2.2. Label elements

Label elements (CLP):

Hazard pictogram:



Signal word:

Danger

Hazard statement:	H315 Causes skin irritation. H318 Causes serious eye damage. H335 May cause respiratory irritation.
Precautionary statement:	P102 Keep out of reach of children.
Precautionary statement: Prevention	P260 Do not breathe dust. P280 Wear protective gloves/eye protection.
Precautionary statement: Response	P305+P351+P338 IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to remove. Continue rinsing. P310 Immediately call a POISON CENTER/doctor. P302+P352 IF ON SKIN: Wash with plenty of soap and water. P313 Get medical advice/attention.

2.3. Other hazards

Chromate-reduced. Contains cement. Strongly alkaline reaction with moisture, so protect skin and eyes.

SECTION 3: Composition/information on ingredients

3.2. Mixtures

General chemical description:

Adhesive mortar

Base substances of preparation:

Cement
Mineral fillers

Declaration of the ingredients according to CLP (EC) No 1272/2008:

Hazardous components CAS-No.	EC Number REACH-Reg No.	content	Classification
Cement, portland, chemicals 65997-15-1	266-043-4	20- < 40 %	Skin Irrit. 2 H315 Skin Sens. 1 H317 Eye Dam. 1 H318 STOT SE 3 H335

For full text of the H - statements and other abbreviations see section 16 "Other information".
Substances without classification may have community workplace exposure limits available.

Declaration of ingredients according to DPD (EC) No 1999/45:

Hazardous components CAS-No.	EC Number REACH-Reg No.	content	Classification
Cement, portland, chemicals 65997-15-1	266-043-4	20 - < 40 %	Xi - Irritant; R37/38, R41, R43

For full text of the R-Phrases indicated by codes see section 16 'Other Information'.
Substances without classification may have community workplace exposure limits available.

SECTION 4: First aid measures

4.1. Description of first aid measures

General information:

In case of adverse health effects seek medical advice.

Inhalation:

Move to fresh air, consult doctor if complaint persists.

Skin contact:

Rinse with running water and soap. Skin care. Remove contaminated clothes immediately.

Eye contact:

Immediately flush eyes with soft jet of water or eye rinse solution for at least 5 minutes. If pains remains (intensive smarting, sensivity to light, visual disturbance) continue flushing and contact/seek doctor or hospital.
Do not rub eyes to dryness.

Ingestion:

Rinse mouth and throat. Drink 1-2 glasses of water. Seek medical advice.

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

EYE: Irritation, conjunctivitis.

SKIN: Redness, inflammation.

RESPIRATORY: Irritation, coughing, shortness of breath, chest tightness.

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

See section: Description of first aid measures

SECTION 5: Firefighting measures

5.1. Extinguishing media

Suitable extinguishing media:

carbon dioxide, foam, powder, water spray jet, fine water spray

Extinguishing media which must not be used for safety reasons:

High pressure waterjet

5.2. Special hazards arising from the substance or mixture

In the event of a fire, carbon monoxide (CO) and carbon dioxide (CO₂) can be released.

5.3. Advice for firefighters

Wear self-contained breathing apparatus.

Wear protective equipment.

SECTION 6: Accidental release measures

6.1. Personal precautions, protective equipment and emergency procedures

Wear protective equipment.

Avoid contact with skin and eyes.

Avoid dust formation.

6.2. Environmental precautions

Do not empty into drains / surface water / ground water.

Inform authorities in the event of product spillage to water courses or sewage systems.

6.3. Methods and material for containment and cleaning up

Remove mechanically.

Dispose of contaminated material as waste according to Section 13.

6.4. Reference to other sections

See advice in section 8

SECTION 7: Handling and storage

7.1. Precautions for safe handling

Avoid dust formation.

Hygiene measures:

- Wash hands before work breaks and after finishing work.
- Do not eat, drink or smoke while working.

7.2. Conditions for safe storage, including any incompatibilities

- Store far from foodstuffs.
- Store in a cool, dry place.
- Store in sealed original container.
- Do not store together with food or other consumables (coffee, tea, tobacco, etc.).

7.3. Specific end use(s)

- Special mortars

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

Valid for
Kazakhstan

Value type	ppm	mg/m ³	Value type	Short term exposure limit category / Remarks	Regulatory list
DUSTS, NON-SPECIFIC, RESPIRABLE FRACTION [Carbon dusts: other fossil coal and coal-rock dusts, containing free silicon dioxide up to 5%]		10	8-Hour TWA (MAC):		KZ GN MAC
DUSTS, NON-SPECIFIC, RESPIRABLE FRACTION [Plant and animal dust: new mole cotton flour (as protein)]		0,5	8-Hour TWA (MAC):		KZ GN MAC
DUSTS, NON-SPECIFIC, RESPIRABLE FRACTION [Carbon dusts: cokes, coal, coal-tar, petroleum, shale Carbon dusts: anthracite, containing free silicon dioxide up to 5%]		6	8-Hour TWA (MAC):		KZ GN MAC
DUSTS, NON-SPECIFIC, RESPIRABLE FRACTION [Carbon dusts: carbonaceous fibrous materials based on hydrate-cellulose fibers Carbon dusts: carbonaceous fibrous materials based on polyacrylonitrile fibers]		4	Ceiling Limit (MAC):		KZ GN MAC
DUSTS, NON-SPECIFIC, RESPIRABLE FRACTION [Carbon dusts: metallized diamond Plant and animal dust: with impurity of silicon dioxide from 2% to 10% Carbon dusts: industrial black soots, containing benz(a)pyrene up to 35mg/kg]		4	8-Hour TWA (MAC):		KZ GN MAC
DUSTS, NON-SPECIFIC, RESPIRABLE FRACTION [Carbon dusts: carbonaceous fibrous materials based on hydrate-cellulose fibers Carbon dusts: carbonaceous fibrous materials based on polyacrylonitrile fibers]		2	8-Hour TWA (MAC):		KZ GN MAC
DUSTS, NON-SPECIFIC, RESPIRABLE FRACTION [Carbon dusts: natural and manufactured diamonds]		8	8-Hour TWA (MAC):		KZ GN MAC
DUSTS, NON-SPECIFIC, RESPIRABLE FRACTION [Particulates]		2	8-Hour TWA (MAC):		KZ GN MAC
DUSTS, NON-SPECIFIC, RESPIRABLE FRACTION [Particulates]		6	Ceiling Limit (MAC):		KZ GN MAC

Biological Exposure Indices:

None

8.2. Exposure controls:

Respiratory protection:

In case of dust formation, we recommend wearing of appropriate respiratory protection equipment with particle filter P. This recommendation should be matched to local conditions.

Hand protection:

In the case of longer contact protective gloves made from nitrile rubber are recommended according to EN 374.

Perforation time > 480 minutes

material thickness > 0.1 mm

In the case of longer and repeated contact please note that in practice the penetration times may be considerably shorter than those determined according to EN 374. The protective gloves must always be checked for their suitability for use at the specific workplace (e.g. mechanical and thermal stress, product compatibility, antistatic effects, etc.). The gloves must be replaced immediately at the first signs of wear and tear. The information provided by the manufacturers and given in the relevant trade association regulations for industrial safety must always be observed. We recommend that a hand care plan is drawn up in cooperation with a glove manufacturer and the trade association in accordance with the local operating conditions.

Eye protection:

Goggles which can be tightly sealed.

Skin protection:

Dustproof working clothes.

SECTION 9: Physical and chemical properties**9.1. Information on basic physical and chemical properties**

Appearance	powder fine grey
Odor	characteristic
Odour threshold	No data available / Not applicable
pH	No data available / Not applicable
Initial boiling point	No data available / Not applicable
Flash point	No data available / Not applicable
Decomposition temperature	No data available / Not applicable
Vapour pressure	No data available / Not applicable
Density	1,5 g/cm ³
()	
Bulk density	No data available / Not applicable
Viscosity	No data available / Not applicable
Viscosity (kinematic)	No data available / Not applicable
Explosive properties	No data available / Not applicable
Solubility (qualitative)	No data available / Not applicable
Solidification temperature	No data available / Not applicable
Melting point	No data available / Not applicable
Flammability	No data available / Not applicable
Auto-ignition temperature	No data available / Not applicable
Explosive limits	No data available / Not applicable
Partition coefficient: n-octanol/water	No data available / Not applicable
Evaporation rate	No data available / Not applicable
Vapor density	No data available / Not applicable
Oxidising properties	No data available / Not applicable

9.2. Other information

No data available / Not applicable

SECTION 10: Stability and reactivity**10.1. Reactivity**

Reaction with alkalis: production of heat and oxygen.

10.2. Chemical stability

Stable under recommended storage conditions.

10.3. Possibility of hazardous reactions

See section reactivity

10.4. Conditions to avoid

None if used for intended purpose.

10.5. Incompatible materials

See section reactivity

10.6. Hazardous decomposition products

None known.

SECTION 11: Toxicological information**11.1. Information on toxicological effects****General toxicological information:**

The mixture is classified based on the available hazard information for the ingredients as defined in the classification criteria for mixtures for each hazard class or differentiation in Annex I to Regulation 1272/2008/EC. Relevant available health/ecological information for the substances listed under Section 3 is provided in the following.

Inhalative toxicity:

May cause respiratory irritation.

Skin irritation:

Causes skin irritation.

Eye irritation:

Causes serious eye damage.

Sensitizing:

Chromate-reduced. Does not need to be labeled as causing skin sensitization.

Acute oral toxicity:

Hazardous components CAS-No.	Value type	Value	Route of application	Exposure time	Species	Method
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Acute inhalative toxicity:

Hazardous components CAS-No.	Value type	Value	Route of application	Exposure time	Species	Method
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Acute dermal toxicity:

Hazardous components CAS-No.	Value type	Value	Route of application	Exposure time	Species	Method
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SECTION 12: Ecological information

General ecological information:

Do not empty into drains, soil or bodies of water.

The mixture is classified based on the available hazard information for the ingredients as defined in the classification criteria for mixtures for each hazard class or differentiation in Annex I to Regulation 1272/2008/EC. Relevant available health/ecological information for the substances listed under Section 3 is provided in the following.

Due to the practical insolubility in water a separation takes place with each filtration and sedimentation procedure.

12.1. Toxicity

Hazardous components CAS-No.	Value type	Value	Acute Toxicity Study	Exposure time	Species	Method
Cement, portland, chemicals 65997-15-1	LC50	> 10.000 mg/l	Fish	96 h	Brachydanio rerio (new name: Danio rerio)	OECD Guideline 203 (Fish, Acute Toxicity Test)
Cement, portland, chemicals 65997-15-1	EC50	> 10.000 mg/l	Daphnia	24 h	Daphnia magna	OECD Guideline 202 (Daphnia sp. Acute Immobilisation Test)
Cement, portland, chemicals 65997-15-1	EC50	440 mg/l	Algae	72 h	Selenastrum capricornutum (new name: Pseudokirchnerella subcapitata)	ISO 8692 (Water Quality)
	NOEC	60 mg/l	Algae	72 h	Selenastrum capricornutum (new name: Pseudokirchnerella subcapitata)	ISO 8692 (Water Quality)

12.2. Persistence and degradability

No data available.

12.3. Bioaccumulative potential / 12.4. Mobility in soil

No data available.

12.5. Results of PBT and vPvB assessment

Hazardous components CAS-No.	PBT/vPvB
Cement, portland, chemicals 65997-15-1	Not fulfilling Persistent, Bioaccumulative and Toxic (PBT), very Persistent and very Bioaccumulative (vPvB) criteria.

12.6. Other adverse effects

No data available.

SECTION 13: Disposal considerations

13.1. Waste treatment methods

Product disposal:

Dispose of waste and residues in accordance with local authority requirements.

Disposal of uncleaned packages:

Use packages for recycling only when totally empty.

Waste code

170101

SECTION 14: Transport information

- 14.1. UN number**
Not hazardous according to RID, ADR, ADN, IMDG, IATA-DGR.
- 14.2. UN proper shipping name**
Not hazardous according to RID, ADR, ADN, IMDG, IATA-DGR.
- 14.3. Transport hazard class(es)**
Not hazardous according to RID, ADR, ADN, IMDG, IATA-DGR.
- 14.4. Packaging group**
Not hazardous according to RID, ADR, ADN, IMDG, IATA-DGR.
- 14.5. Environmental hazards**
Not hazardous according to RID, ADR, ADN, IMDG, IATA-DGR.
- 14.6. Special precautions for user**
Not hazardous according to RID, ADR, ADN, IMDG, IATA-DGR.
- 14.7. Transport in bulk according to Annex II of MARPOL 73/78 and the IBC Code**
not applicable

SECTION 15: Regulatory information

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

VOC content 0 %
(VOCV 814.018 VOC regulation
CH)

15.2. Chemical safety assessment

A chemical safety assessment has not been carried out.

SECTION 16: Other information

The labelling of the product is indicated in Section 2. The full text of all abbreviations indicated by codes in this safety data sheet are as follows:

R37/38 Irritating to respiratory system and skin.
R41 Risk of serious damage to eyes.
R43 May cause sensitisation by skin contact.
H315 Causes skin irritation.
H317 May cause an allergic skin reaction.
H318 Causes serious eye damage.
H335 May cause respiratory irritation.

Further information:

This information is based on our current level of knowledge and relates to the product in the state in which it is delivered. It is intended to describe our products from the point of view of safety requirements and is not intended to guarantee any particular properties.

Relevant changes in this safety data sheet are indicated by vertical lines at the left margin in the body of this document. Corresponding text is displayed in a different color on shadowed fields.