

SAFETY DATA SHEET

DIE KOLL C2

Issued on 09/30/2022 - Rel. # 1 on 09/29/2022

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In conformity to Regulation (EU) 2020/878

SECTION 1. Identification of the substance/mixture and of the company/undertaking

1.1. Product identifier

Product code : DIE KOLL C2
Trades code : A0018
UFI: 3S80-J0VJ-200W-4V26

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

Sectors of use:
Public domain[SU22]
Uses advised against
Do not use for purposes other than those listed

1.3. Details of the supplier of the safety data sheet

Industria Calce Casertana S.r.l.
Via Salvo D'Acquisto
81040 Curti (CE)

Produced by
Industria Calce Casertana S.r.l.
Zona industriale snc
84021 - Buccino (SA)

1.4. Emergency telephone number

Az. Osp. "A. Cardarelli" Napoli Via A. Cardarelli, 9 80131 tel 081 7472870

SECTION 2. Hazards identification

2.1. Classification of the substance or mixture

2.1.1 Classification according to Regulation (EC) No 1272/2008:

Pictograms:

GHS05, GHS07

Hazard Class and Category Code(s):

Skin Irrit. 2 - Causes skin irritation.

Skin Sens. 1B - May cause an allergic skin reaction.

Eye Dam. 1 - Causes serious eye damage.

STOT SE 3 - May irritate the respiratory tract.

Hazard statement Code(s):

H315 - Causes skin irritation.

H317 - May cause an allergic skin reaction.

H318 - Causes serious eye damage.

H335 - May cause respiratory irritation.

If inhaled, the product, causes irritation to the respiratory tract, if brought into contact with skin, it causes significant inflammation with erythema, scabs, or edema.

The product, if brought into contact with skin can cause skin sensitization.

If brought into contact with eyes, the product causes serious damages to eyes, such as an opaque cornea or injury to iris.

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2.2. Label elements

Labelling according to Regulation (EC) No 1272/2008:

Pictogram, Signal Word Code(s):

GHS05, GHS07 - Danger

Hazard statement Code(s):

H315 - Causes skin irritation.

H317 - May cause an allergic skin reaction.

H318 - Causes serious eye damage.

H335 - May cause respiratory irritation.

Supplemental Hazard statement Code(s):

not applicable

Precautionary statements:

Prevention

P261 - Avoid breathing dust/fume/gas/mist/vapours/spray.

P280 - Wear protective gloves/protective clothing/eye protection/face protection.

Response

P305+P351+P338 - IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.

P310 - Immediately call a POISON CENTER/doctor/...

P312 - Call a POISON CENTER/doctor/... if you feel unwell.

P363 - Wash contaminated clothing before reuse.

Disposal

P501 - Dispose of contents/container to ...

Contains:

Clinker di cemento Portland, Silice Cristallina-Quarzo, silice cristallina- frazione fine , Carbonato di Calcio

UFI: 3S80-J0VJ-200W-4V26

2.3. Other hazards

No PBT / vPvB ingredients are present

Other hazards: No other hazards

The percentage of respirable crystalline silicon oxide is less than 1%. However, it is advisable to use a respiratory protection. For information related to crystalline silica, see section 11. The product contains cement, which in contact with body fluids (sweat, etc.) produces a strongly alkaline reaction capable of cause irritation.



SECTION 3. Composition/information on ingredients

3.1 Substances

Irrilevant

3.2 Mixtures

Refer to paragraph 16 for full text of hazard statements

| Substance | Concentration[w/w] | Classification | Index | CAS | EINECS | REACH |
|--|---------------------|--|-------|------------|-----------|-------|
| Carlcium carbonate | >= 40 < 70% | ATE oral = 5.000,0 mg/kg | ND | 471-34-1 | 207-439-9 | NR |
| Portland cement clinker, Cr(VI) < 2ppm | >= 30 < 50% | Skin Irrit. 2, H315; Skin Sens. 1B, H317; Eye Dam. 1, H318; STOT SE 3, H335 ATE dermal = 2.000,0 mg/kg | ND | 65997-15-1 | 266-043-4 | NR |

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| Substance | Concentration[w/w] | Classification | Index | CAS | EINECS | REACH |
|------------------------------------|---------------------|--|-------|------------|-----------|-------|
| Crystalline silica - quartz | >= 20 < 45% | ATE oral = 2.000,0 mg/kg ATE dermal = 2.000,0 mg/kg | ND | 14808-60-7 | 238-878-4 | NR |
| Crystalline silica - fine fraction | >= 0,01 < 0,5% | STOT RE 1, H372 | ND | 14808-60-7 | 238-878-4 | NR |

SECTION 4. First aid measures

4.1. Description of first aid measures

IN CASE OF EYE CONTACT: Remove any contact lenses. Wash immediately and abundantly with water for at least 30/60 minutes, opening the eyelids well. Consult a physician immediately.

IF ON SKIN: Remove contaminated clothing. Take a shower immediately. Consult a physician immediately.

IF SWALLOWED: Give as much water to drink as possible. Consult a physician immediately. Don't induce vomiting unless expressly authorized by the doctor.

IF INHALED: Call a doctor immediately. Take the subject outdoors, away from the place of the accident. If breathing stops, give artificial respiration. Take adequate precautions for the rescuer.

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

No specific information on symptoms and effects caused by the product is known.

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

In the event of an accident or discomfort, consult a doctor immediately (if possible show the instructions for use or the safety data Sheet).

Treatment: (see point 4.1)

SECTION 5. Firefighting measures

5.1. Extinguishing media

SUITABLE EXTINGUISHING MEDIA: The extinguishing media are the traditional ones: carbon dioxide, foam, powder and water spray.

UNSUITABLE EXTINGUISHING MEDIA: None in particular.

5.2. Special hazards arising from the substance or mixture

No data available.

5.3. Advice for firefighters

GENERAL INFORMATION

Always wear full fire protection equipment. Collect the extinguishing water that does not must be discharged into the sewers. Dispose of contaminated water used for extinguishing and the residue of the fire according to the regulations in force.

EQUIPMENT

Normal fire-fighting clothing, such as an open-circuit compressed air breathing apparatus (EN 137), complete flame retardant (EN469), flame retardant gloves (EN 659) and fire brigade boots (HO A29 or A30).

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SECTION 6. Accidental release measures

6.1. Personal precautions, protective equipment and emergency procedures

6.1.1 For non-emergency personnel:

Avoid the formation of dust by spraying the product with water if there are no contraindications. Wear appropriate protective equipment (including personal protective equipment referred to in section 8 of the data sheet of safety) to prevent contamination of skin, eyes and personal clothing. These indications are valid both for workers and for emergency interventions

6.1.2 For emergency responders:

Wear mask, gloves and protective clothing.

Eliminate all unguarded flames and possible sources of ignition. No smoking.

Provision of sufficient ventilation.

Evacuate the danger area and, in case, consult an expert.

6.2. Environmental precautions

Contain losses.

Notify the competent authorities.

Dispose of the residue in compliance with the regulations in force.

Prevent penetration into the soil and subsoil. Prevent runoff into surface water or sewerage.

6.3. Methods and material for containment and cleaning up

6.3.1 For containment:

Rapidly recover the product, wear a mask and protective clothing

Recover the product for reuse, if possible, or the removal.

6.3.2 For cleaning up:

After wiping up, wash with water the area and materials involved.

Retain contaminated washing water and eliminate it.

6.3.3 Other information:

Material suitable for collection: absorbent, organic material, sand Retain contaminated washing water and delete it. The disposal of contaminated material must be carried out in accordance with the provisions of point 13.

6.4. Reference to other sections

Refer to paragraphs 8 and 13 for more information

SECTION 7. Handling and storage

7.1. Precautions for safe handling

Handle the product after consulting all the other sections of this safety data sheet. Avoid the dispersion of produced in the environment. Do not eat, drink or smoke during use. Remove contaminated clothing and i protective equipment before entering the areas where you eat.

7.2. Conditions for safe storage, including any incompatibilities

Keep in original container closed tightly. Do not store in open or unlabeled containers.

Keep containers in a safe position avoiding the possibility of falls or collisions.

Store in a cool place, away from sources of heat and `direct exposure of sunlight.

Keep away from food, drink and feed.

Incompatible materials: None in particular. See also paragraph 10 below.

7.3. Specific end use(s)

Public domain:

Handle with care. Store in a ventilated area and away from heat, keep the container tightly closed.

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SECTION 8. Exposure controls/personal protection

8.1. Control parameters

Portland cement clinker , Cr(VI) < 2ppm

Limit value

| Type | State | TWA/8h mg/m ³ | STEL/15min ppm | |
|-----------|-------|-----------------------------|-------------------|--------|
| TLV-ACGIH | | 1 | | RESPIR |

Additional information: Respect the legal exposure limits in the workplace for any type of dispersed dust in the air (e.g. total dust, respirable dust). For equivalent limits in other countries, consult a hygienist competent employment agency or to the relevant body.

EU - Occupational Exposure Limit Values

Local name Silica crystalline (Quartz)

IOELV TWA (mg / m³) 0.1 mg / m³ (respirable dust) - Binding OEL

Note (Year of adoption 2003)

Regulatory reference Directive (EU) No. 2017/2398

Italy - Occupational Exposure Limit Values

Local name Respirable crystalline silica dust

OEL TWA (mg / m³) 0.1 mg / m³ Respirable fraction

Normative reference LEGISLATIVE DECREE 1 June 2020, n. 44

USA - ACGIH - Occupational Exposure Limit Values

Local name Silica crystalline - quartz

ACGIH TWA (mg / m³) 0.025 mg / m³ (R - Respirable particulate matter)

Comment (ACGIH) TLV® Basis: Pulm fibrosis; lung cancer. Notations: A2 (Suspected Human Carcinogen)

ACGIH 2019 regulatory reference

- Substance: Calcium Carbonate

Systemic effects Long term Workers Inhalation = 10 (mg/m³)

Systemic effects Long term Consumers Inhalation = 10 (mg/m³)

8.2. Exposure controls



It is recommended that the expected occupational exposure limit values be considered by the ACGIH for inert dusts not otherwise classified (PNOC respirable fraction: 3 mg / mc; PNOC fraction inhalable: 10 mg / mc). If these limits are exceeded, it is recommended to use a type P filter whose class (1, 2 or 3) must be chosen based on the outcome of the risk assessment. Considered that the use of appropriate technical measures should always take priority over personal protective equipment, ensure good ventilation in the workplace through effective local exhaust. For the choice of protective equipment.

If necessary, ask your chemical suppliers for advice. Individual protection devices they must bear the CE mark which certifies their compliance with current regulations. Provide emergency shower with visocular tray. The percentage of respirable crystalline silicon oxide is less than 1%. However it is advisable the use of respiratory protection. For information related to crystalline silica, see section 11. The product contains cement, which in contact with body fluids (sweat, etc.) produces a strong reaction alkaline capable of causing irritation.

HAND PROTECTION: If prolonged contact with the product is expected, it is advisable to protect the hands with work gloves resistant to penetration (ref. standard EN 374). For the final choice of the material of the work gloves, the process of using the product and any additional products resulting from it must also be evaluated arise. It should also be remembered that latex gloves can give rise to sensitization phenomena.

SKIN PROTECTION: Wear work clothes with long sleeves and safety footwear for use professional category II (ref. Directive 89/686 / EEC and standard EN ISO 20344). Wash with soap and water after you removed protective clothing.

EYE PROTECTION: It is recommended to wear hooded visor or protective visor combined with goggles hermetic (ref. standard EN 166).

RESPIRATORY PROTECTION: We recommend the use of a P-type filtering face mask whose class (1, 2 or 3) and actual need, must be defined based on the outcome of the risk assessment (ref. Standard EN 149).

Professional uses in construction:

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No specific control expected

Thermal hazards:

No danger to report

Environmental exposure controls:

Emissions from manufacturing processes, including those from ventilation equipment should be controlled for the purposes of compliance with environmental protection legislation.

SECTION 9. Physical and chemical properties

9.1. Information on basic physical and chemical properties

| Physical and chemical properties | Value | Determination method |
|--|------------------|----------------------|
| Appearance | Dust | |
| Colour | white | |
| Odour | characteristic | |
| Odour threshold | N.A. | |
| pH | not determined | |
| Melting point/freezing point | N.A. | |
| Initial boiling point and boiling range | N.A. | |
| Flash point | nonflammable | ASTM D92 |
| Evaporation rate | N.A. | |
| Flammability (solid, gas) | N.A. | |
| Upper/lower flammability or explosive limits | N.A. | |
| Vapour pressure | N.A. | |
| Vapour density | N.A. | |
| Relative density | not determined | |
| Solubility(ies) | not determined | |
| Water solubility | soluble in water | |
| Partition coefficient: n-octanol/water | N.A. | |
| Auto-ignition temperature | N.A. | |
| Decomposition temperature | N.A. | |
| Viscosity | not determined | |
| Explosive properties | not explosive | |
| Oxidising properties | non-oxidizing | |

9.2. Other information

No data available.

SECTION 10. Stability and reactivity

10.1. Reactivity

There are no particular risks of reaction with other substances in normal conditions of use.

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10.2. Chemical stability

The product is stable under normal conditions of use and storage.

10.3. Possibility of hazardous reactions

Under normal conditions of use and storage no dangerous reactions are foreseeable.

10.4. Conditions to avoid

None in particular. However, follow the usual precautions towards chemicals.

10.5. Incompatible materials

Information not available.

10.6. Hazardous decomposition products

Information not available.

SECTION 11. Toxicological information

11.1. Information on hazard classes as defined in Regulation (EC) No 1272/2008

Prolonged or massive exposure to dust containing respirable crystalline silica can cause silicosis, a fibrosis lung nodular caused by the deposition in the lungs of respirable fine particles of crystalline silica. There is evidence substantial in support of the fact that the increased risk of cancer would be limited to patients already suffering from silicosis. It is necessary to guarantee the protection of workers against silicosis by respecting the occupational exposure limits in accordance with law and possibly taking additional risk management measures (see also section 16 below).

Contains cement. Cement in contact with sweat or other body fluids produces a strongly alkaline reaction, therefore contact with eyes and skin must be carefully avoided.

TOXICOLOGICAL INFORMATION REGARDING THE MIXTURE: There are no toxicological data available on the mixture as such. Therefore, keep in mind the concentration of the individual substances in order to evaluate the effects toxicological resulting from exposure to the mixture. The toxicological information regarding the main substances present in the mixture:

-Crystalline silica

a) acute toxicity

Oral LD50 > 2000 mg / kg

LD50 Skin > 2000 mg / kg

-Crystalline silica (fine fraction)

a) acute toxicity

LD50 Oral Rat = 500 mg / kg

Portland cement clinker

LD50 (Dermal) > 2000 mg / kg (rabbit)

Metabolism, kinetics, mechanism of action and other information: Information not available.

Information on likely routes of exposure: Information not available.

Delayed and immediate effects and chronic effects from short and long term exposure: Information not available.

Interactive Effects: Information not available.

SKIN CORROSION / SKIN IRRITATION: Causes skin irritation.

SERIOUS EYE DAMAGE / EYE IRRITATION: Causes serious eye damage.

RESPIRATORY OR SKIN SENSITIZATION: Skin sensitizer.

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MUTAGENICITY ON GERMINAL CELLS: Does not meet the classification criteria for this hazard class.

CARCINOGENICITY: Does not meet the classification criteria for this hazard class.

REPRODUCTION TOXICITY: Does not meet the classification criteria for this hazard class.

SPECIFIC TARGET ORGAN TOXICITY (STOT) - SINGLE EXPOSURE: May irritate the respiratory tract.

SPECIFIC TARGET ORGAN TOXICITY (STOT) - REPEATED EXPOSURE: Does not meet the criteria for classification for this hazard class.

DANGER IN CASE OF ASPIRATION: Does not meet the classification criteria for this hazard class.

11.2. Information on other hazards

No data available.

SECTION 12. Ecological information

12.1. Toxicity

Carbonato di Calcio

**** Not translated ****

Clinker di cemento Portland

**** Not translated ****

Silice Cristallina-Quarzo

**** Not translated ****

Use according to good working practices to avoid pollution into the environment.

12.2. Persistence and degradability

Carbonato di Calcio

**** Not translated ****

Clinker di cemento Portland

**** Not translated ****

Silice Cristallina-Quarzo

**** Not translated ****

12.3. Bioaccumulative potential

Carbonato di Calcio

**** Not translated ****

Clinker di cemento Portland

**** Not translated ****

Silice Cristallina-Quarzo

**** Not translated ****

12.4. Mobility in soil

Carbonato di Calcio

**** Not translated ****

Clinker di cemento Portland

**** Not translated ****

Silice Cristallina-Quarzo

**** Not translated ****

12.5. Results of PBT and vPvB assessment

No PBT/vPvB ingredient is present

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12.6. Endocrine disrupting properties

No data available.

12.7. Other adverse effects

No adverse effects

SECTION 13. Disposal considerations

13.1. Waste treatment methods

Do not reuse empty containers. Dispose of them in accordance with the regulations in force. Any remaining product should be disposed of according to applicable regulations by addressing to authorized companies. Recover if possible. Send to authorized discharge plants or for incineration under controlled conditions. Operate according to local and National rules in force

SECTION 14. Transport information

14.1. UN number or ID number

Not included in the scope of application regulations concerning the transport of dangerous goods: by road (ADR); by rail (RID); by air (ICAO / IATA); by sea (IMDG).

14.2. UN proper shipping name

None

14.3. Transport hazard class(es)

None

14.4. Packing group

None

14.5. Environmental hazards

None

14.6. Special precautions for user

No data available.

14.7. Maritime transport in bulk according to IMO instruments

It is not intended to carry bulk

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SECTION 15. Regulatory information

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

Clinker di cemento Portland

**** Not translated ****

Silice Cristallina-Quarzo

**** Not translated ****

REGULATION (EU) No 1357/2014 - waste:

HP4 - Irritant — skin irritation and eye damage

HP5 - Specific Target Organ Toxicity (STOT)/Aspiration Toxicity

HP13 - Sensitising

15.2. Chemical safety assessment

A chemical safety assessment has not been carried out for the mixture.

SECTION 16. Other information

16.1. Other information

Description of the hazard statements exposed to point 3

H315 = Causes skin irritation.

H317 = May cause an allergic skin reaction.

H318 = Causes serious eye damage.

H335 = May cause respiratory irritation.

H372 = Causes damage to organs through prolonged or repeated exposure .

Classification based on data of all mixture components

GENERAL BIBLIOGRAPHY:

- Council Regulation (EC) 1907/2006 of the European Parliament (REACH)
- Regulation (EC) 1272/2008 of the European Parliament (CLP) and subsequent updates
- Council Regulation (EC) no 758/2013 of the European Parliament
- Regulation (EC) no 2020/878 of the European Parliament
- Regulation (EC) No 528/2012 European Parliament and subsequent updates
- Commission Regulation (EC) No 790/2009 of 10 August 2009
- Commission Regulation (EU) No 286/2011 of 10 March 2011
- Commission Regulation (EU) No 618/2012 of 10 July 2012
- Commission Regulation (EU) No 487/2013 of 8 May 2013
- Council Regulation (EU) No 517/2013 of 13 May 2013
- Commission Regulation (EU) No 758/2013 of 7 August 2013
- Commission Regulation (EU) No 944/2013 of 2 October 2013
- Commission Regulation (EU) No 605/2014 of 5 June 2014
- Commission Regulation (EU) 2015/491 of 23 March 2015
- Commission Regulation (EU) No 1297/2014 of 5 December 2014- Council Regulation (EC) 648/2004 of the European Parliament and subsequent updates
- The Merck Index
- Handling Chemical Safety
- Niosh Registry of Toxic Effects of Chemical Substances
- INRS - Fiche Toxicologique
- Patty-Industrial Hygiene and Toxicology
- N.I. Sax-Dangerous properties of Industrial Materials-7 Ed., 1989

Note to the user:

the information in this tab are based on knowledge available to us on the date of the latest version.

The user must ensure the fitness and completeness of the information in relation to the specific use of the product.

You should not interpret it as a guarantee of any specific property of the product.

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For the use of the product does not fall under our direct control, the obligation of the user to observe under their own liability laws and regulations on hygiene and safety. Do not assume liability for improper use.

This tab replaces and cancels all previous

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