

Material Safety Data Sheet

Completed 08-07-2021
Revision: (date) -
SDS version 1.0

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

1.1. Product Identifier

Trade Name: DuraPuds 703 Grå, DuraPuds 703 Hvid, DuraPuds 710 Cementgrå, DuraPuds 710 Hvid, DuraPuds 804 cementgrå, DuraPuds 804 cementshvid, DuraPuds 804 hvid, DuraPuds 810

Product- no.: -

UFI: DuraPuds 703 Grå: 2330-N03H-C00G-NG0H
DuraPuds 703 Hvid: MK20-K0Y4-H00H-PEH4
DuraPuds 710 Cementgrå: S710-G0WS-M00K-3Y63
DuraPuds 710 Hvid: XX20-M0QQ-R00G-ASUD
DuraPuds 804 cementgrå: 4130-40E4-2000-04EF
DuraPuds 804 cementshvid: SP20-30NH-U000-CS36
DuraPuds 804 hvid: -
DuraPuds 810: JJ10-H0PC-U00K-RAHC

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

Recommended uses:

Dry mortar.

Uses advised against:

This product must not be used for purposes other than those recommended without first seeking the advice of the supplier.

1.3. Details of the supplier of the safety data sheet

Company and address:

Alfix A/S
H.C. Ørsteds Vej 11-13
DK-6000 Kolding
Denmark
+45 75 52 90 11

Contact person and E-mail:

Frank Pingel, fp@alfix.dk

The Safety data sheet is completed and validated by:

Mediator A/S, Centervej 2, DK-6000 Kolding. Consultant: KN

1.4. Emergency telephone number

NHS: 111

Use your national or local emergency number - See section 4 "First aid measures".

SECTION 2: Hazards identification

2.1. Classification of the substance or mixture

CLP (1272/2008):
Skin Irrit. 2;H315
Eye Dam. 1;H318
EUH 212

See full text of H-phrases in section 16.

Material Safety Data Sheet

2.2. Label elements



Signal word:

Danger

Causes skin irritation. (H315)

Causes serious eye damage. (H318)

Warning! Hazardous respirable dust may be formed when used. Do not breathe dust. (EUH 212)

If medical advice is needed, have product container or label at hand. (P101)

Keep out of reach of children. (P102)

Wear protective gloves/protective clothing/eye protection/face protection. (P280)

IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. Immediately call a POISON CENTER/doctor. (P305 + P351 + P338 + P310)

Dispose of contents/container in accordance with local regulation. (P501)

2.3. Other hazards

The product contains chromate-reducing substances, whereby the content of water-soluble chromium (VI) is less than 0.0002%. However, in the event of incorrect storage (moisture penetration) or overlay, the chromate-reducing substance contained may lose its effect prematurely and a sensitizing effect of the cement / binder may occur upon skin contact (H317 or EUH203).

Additional labelling:

-

Additional warnings

-

SECTION 3: Composition/information on ingredients

3.1/3.2. Substances/Mixtures

Substance	EU-Index no. / REACH-Reg. no.	CAS-no.	EINECS-no.	CLP-classification	Wt/Wt %	Note
Quartz	- / -	14808-60-7	238-878-4	-	20-70	-
Calcium carbonate	- / -	471-34-1	207-439-9	-	1-30	-
Calcium magnesium	- / -	16389-88-1	240-440-2	-	1-30	-
Portlandcement	- / -	65997-15-1	266-043-4	Skin Irrit. 2;H315, Eye Dam. 1;H318, STOT SE 3;H335	10-20	-
Calcium hydroxide	- / -	1305-62-0	215-137-3	Skin Irrit. 2;H315, Eye Dam. 1;H318, STOT SE 3;H335	0,5-5	-
Titanium dioxide	- / -	13463-67-7	236-675-5	Carc. 2;H351	0,5-5	1

1) < 1 % of particles with aerodynamic diameter $\leq 10 \mu\text{m}$

See full text of H-phrases in section 16.

SECTION 4: First aid measures

4.1. Description of first aid measures

Inhalation:

In case of discomfort: Seek fresh air.

Keep victim under observation.

Seek medical advice in case of breathing difficulties.

Ingestion:

Wash out mouth thoroughly and drink 1-2 glasses of water in small sips.

Seek medical advice in case of discomfort.

Skin contact:

Remove contaminated clothing.

Wash the skin thoroughly with water and continue washing for a long time.

Seek medical advice in case of discomfort.

Eye contact:

Open eye wide, remove any contact lenses and flush immediately with water (preferably using eye wash equipment). Seek medical advice immediately. Continue flushing until medical attention is obtained.

Material Safety Data Sheet

Additional information:

When obtaining medical advice, show the safety data sheet or label.

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

Irritation effects: This product contains substances which cause irritation to skin and eyes, or when inhaled. Contact with locally irritative substances can cause the area of contact to be more prone to absorb damaging substances such as allergens. Causes serious eye damage.

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

Show this safety data sheet to the doctor in attendance.

SECTION 5: Firefighting measures

5.1. Extinguishing media

Surrounding fire:

Extinguish with powder, foam, carbon dioxide or water mist.

Do not use water stream, as it may spread the fire.

5.2. Special hazards arising from the substance or mixture

The product is not directly flammable. Avoid inhalation of vapour and fumes – seek fresh air.

Hazardous fumes are formed in fire conditions.

5.3. Advice for firefighters

If there is a risk of exposure to vapour and flue gases, a self-contained breathing apparatus must be worn.

SECTION 6: Accidental release measures

6.1. Personal precautions, protective equipment and emergency procedures

See section 8 for type of protective equipment.

Avoid breathing and contact with skin and eyes.

6.2. Environmental precautions

Avoid unnecessary release to the environment.

6.3. Methods and material for containment and cleaning up

Do not sweep – use vacuum cleaner to collect spillage.

Pick up mechanically.

6.4. Reference to other sections

See section 8 for type of protective equipment.

See section 13 for instructions on disposal.

SECTION 7: Handling and storage

7.1. Precautions for safe handling

See section 8 for information about precautions for use and personal protective equipment.

Use the product under well-ventilated conditions.

Smoking, eating and drinking in the work room is not permitted nor is storage of tobacco, food and drinks permitted. Personal protective equipment must not be worn during meal breaks. Running water and eye wash facilities must be easily accessible. Wash hands before breaks, after visits to the toilet and at the end of work.

7.2. Conditions for safe storage, including any incompatibilities

The product should be stored safely, out of reach of children and away from food, animal feeding stuffs, medicines, etc.

Keep in tightly closed original packaging.

Store in a well-ventilated area.

7.3. Specific end use(s)

See application section 1.

Material Safety Data Sheet

SECTION 8: Exposure controls/personal protection

8.1. Control parameters

Occupational exposure limits according to EH40/2005 Workplace exposure limits (Fourth Edition 2020):

Substance	Long-term exposure limit ppm / mg/m ³	Short-term exposure limit ppm / mg/m ³	Note
Silica, amorphous			
- Inhalable dust	- / 6	-/-	-
- Respirable dust	- / 2.4	-/-	-
Calcium hydroxide			
	- / 5	- / -	-
	- / 1 (respirable fraction)	- / 4 (respirable fraction)	-
Titanium dioxide			
- Total inhalable	- / 10	-/-	-
- Respirable	- / 4	-/-	-

DNEL/PNEC-values:

DNEL Calcium carbonate

	Workers	Consumers
Inhalation - Chronic Local	6.36 mg/m ³	1.06 mg/m ³
Oral - Chronic Systemic	-	6.1 mg/kg bw/day
Oral - Acute Systemic	-	6.1 mg/kg bw/day

DNEL Calcium hydroxide

	Workers	Consumers
Inhalation - Chronic Local	1 mg/m ³	1 mg/m ³
Inhalation - Acute Local	4 mg/m ³	4 mg/m ³

PNEC Calcium hydroxide

Fresh water	0.49 mg/L
Marine water	0.32 mg/L
Soil	1080 mg/kg

8.2. Exposure controls

There are no exposure scenarios for this product.

Appropriate engineering controls:

Wear the personal protective equipment specified below.
Wash hands before breaks, before using restroom facilities, and at the end of work.
Do not eat, drink or smoke when using this product.

Personal protective equipment:



Respiratory protection:

In case of insufficient ventilation, wear respiratory protective equipment with filter P2.

Hand protection:

Wear protective gloves made of nitrile rubber.

Eye/face protection:

Wear safety goggles/face protection.

Skin protection:

Special work clothing should be used.

Environmental exposure controls:

Ensure compliance with local regulations for emissions.

Material Safety Data Sheet

SECTION 9: Physical and chemical properties

9.1. Information on basic physical and chemical properties

Physical state:	Powder
Colour:	-
Odour:	-
Melting point/ Freezing Point (°C):	-
Boiling point or initial boiling point and boiling range (°C):	-
Flammability:	-
Lower and upper explosion limit (vol-%):	-
Flash point (°C):	-
Auto-ignition temperature (°C):	-
Decomposition temperature (°C):	-
pH:	11-12,5 (mixed cement)
Kinematic viscosity (mm ² /s):	-
Solubility:	-
Partition coefficient n-octanol/water (log value)	-
Vapour pressure:	-
Density and/or relative density:	-
Relative vapour density:	-
Particle characteristics:	-

9.2. Other information

None.

SECTION 10: Stability and reactivity

10.1. Reactivity

No data.

10.2. Chemical stability

The product is stable when used in accordance with the supplier's directions.

10.3. Possibility of hazardous reactions

None known.

10.4. Conditions to avoid

None known.

10.5. Incompatible materials

None known.

10.6. Hazardous decomposition products

No special precautions regarding contact with other materials at the recommended storage conditions.

SECTION 11: Toxicological information

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

Acute toxicity:

Based on the existing data, the classification is not met.

Substance	exposure	Species	Test	Result
Calcium carbonate	Oral	Rat	LD50	> 2000 mg/kg bw
Calcium carbonate	Inhalation	Rat	LC50/ 4 Hours	> 3 mg/L air (analytical)
Calcium carbonate	Dermal	Rat	LD50	> 2000 mg/kg bw
Calcium hydroxide	Oral	Rat	LD50	> 2000 mg/kg bw
Calcium hydroxide	Inhalation	Rat	LC50/ 4 Hours	> 6.04 mg/L
Calcium hydroxide	Dermal	Rabbit	LD50	> 2500 mg/kg bw
Titanium dioxide	Inhalation	Rat	LC50/ 4 Hours	> 6.82 mg/L

Skin corrosion/irritation:

Irritating to skin – may cause reddening.

Serious eye damage/irritation:

Causes serious eye damage.

Respiratory or skin sensitisation:

Based on the existing data, the classification is not met.

Germ cell mutagenicity:

Based on the existing data, the classification is not met.

Material Safety Data Sheet

Carcinogenicity:

Warning! Hazardous respirable dust may be formed when used. Do not breathe dust.

Reproductive toxicity:

Based on the existing data, the classification is not met.

STOT-single exposure:

Based on the existing data, the classification is not met.

STOT-repeated exposure:

Based on the existing data, the classification is not met.

Aspiration hazard:

Based on the existing data, the classification is not met.

11.2. Information on other hazards

Test data are not available.

SECTION 12: Ecological information

12.1. Toxicity

Substance	Test duration	Species	Test	Result
Calcium carbonate	72 Hours	Algae	EC50	> 14 mg/L
Calcium hydroxide	96 Hours	Fish	LC50	50.6 mg/L
Calcium hydroxide	48 Hours	Daphnia	EC50	49.1 mg/L
Calcium hydroxide	72 Hours	Algae	EC50	184.57 mg/L
Titanium dioxide	72 Hours	Algae	EC50	> 100 mg/L

12.2. Persistence and degradability

Substance	Biodegradability	Test	Result
Calcium carbonate	Yes	OECD Guideline 301 B	28 Days 90%

12.3. Bioaccumulative potential

Substance	Potential bioaccumulation	LogPow
No data.	-	-

12.4. Mobility in soil

Test data are not available.

12.5. Results of PBT and vPvB assessment

The product does not meet the criteria for PBT or vPvB.

12.6. Endocrine disrupting properties

Test data are not available.

12.7. Other adverse effects

None.

SECTION 13: Disposal considerations

13.1. Waste treatment methods

The product is covered by the regulations on dangerous waste.

EWC-Code	Description
16 05 07	Discarded inorganic chemicals consisting of or containing hazardous substances

Specific labelling:

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Contaminated packaging:

Empty packaging and residues must be disposed of through the municipal waste collection service for hazardous waste.

Material Safety Data Sheet

SECTION 14: Transport information

The product is not covered by the rules for transport of dangerous goods by road and sea according to ADR and IMDG.

14.1 -14.4.

ADR

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IMDG

-

14.5. Environmental hazards

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14.6. Special precautions for user

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14.7. Maritime transport in bulk according to IMO instruments

Not relevant.

SECTION 15: Regulatory information

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

Sources:

EH40/2005 Workplace exposure limits (Fourth Edition 2020).

Additional labelling:

Restrictions for application:

Special care should be applied for employees under the age of 18. Young people under the age of 18 may not carry out any work causing harmful exposure to this product. Young people above 15 years are exempted this rule, if the product is a part of an education/training. Special care should be applied for pregnant and lactating women.

Demands for specific education:

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15.2. Chemical safety assessment

None.

SECTION 16: Other information

According to EU regulation 1907/2006 (REACH)

Other information:

Sources:

EC regulation 1907/2006 (REACH), with amendments.

EC Regulation 1272/2008 (CLP), with amendments.

EU regulation no. 276/2010

Directive 2000/532/EC

ECHA - The European Chemicals Agency

Full text of H-phrases as mentioned in section 2+3:

H315	Causes skin irritation.
H318	Causes serious eye damage.
H335	May cause respiratory irritation.
H351	Suspected of causing cancer.
EUH 212	Warning! Hazardous respirable dust may be formed when used. Do not breathe dust.

Classification according to Regulation (EC) Nr. 1272/2008:

Skin Irrit. 2;H315	Calculation method
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Eye Dam. 1;H318	Calculation method
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EUH 212	Calculation method
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Material Safety Data Sheet

Abbreviations and acronyms used in the safety data sheet:

REACH: Registration, Evaluation, Authorisation and Restriction of Chemicals. Regulation (EC) No 1907/2006.

CLP: Classification Labelling Packaging Regulation; Regulation (EC) No 1272/2008.

CAS-Number.: Chemical Abstracts Service number.

EC-Number.: EINECS and ELINCS Number (see also EINECS and ELINCS).

DNEL: Derived No Effect Level.

PNEC(s): Predicted No Effect Concentration(s).

STOT: Specific Target Organ Toxicity.

LD50: Lethal Dose to 50% of a test population (Median Lethal Dose).

LC50: Lethal Concentration to 50 % of a test population.

EC50: The effective concentration of substance that causes 50% of the maximum response.

PBT: Persistent, Bioaccumulative and Toxic.

vPvB: Very Persistent and Very Bioaccumulative.

NOEC: The highest tested concentration at which, in a study, no statistically significant effect is observed in the exposed population compared with an appropriate control group.

NOAEL: The highest tested dose or exposure level at which there are no statistically significant increases in the frequency or severity of adverse effects between the exposed population and an appropriate control group; some effects may be produced at this level, but they are not considered adverse or precursors of adverse effects.

Other:

The information in this safety data sheet applies only to this specific product (mentioned in section 1) and is not necessarily correct for use with other chemicals/products.

Minor changes have been made in following sections:

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This material safety data sheet replaces version:

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