Safety Data Sheet

Skladno z Uredbo ES št. 1907/2006 (REACH), Člen 31, Priloga II, kot spremenjeno z Uredbo Komisije (EU) št. 2020/878

METRIC TRACK GREY

Date of first edition: 20. 10. 2023

Safety Data Sheet dated 13/10/2026 version 2

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

1.1. Product identifier

Mixture identification:

Trade name: METRIC TRACK GREY

Trade code: S100K0464 22

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

Recommended use: Malta za utrjevanje / obnovo

Uses advised against: Uporabe, ki niso priporočene

1.3. Details of the supplier of the safety data sheet

Company: KERAKOLL S.p.A.

Via dell'Artigianato, 9

41049 Sassuolo (MODENA) - ITALY

Tel.+39 0536 816511 Fax. +39 0536816581

safety@kerakoll.com

1.4. Emergency telephone number

112 v primeru zastrupitve v sil/ in case of emergency poisoning

SECTION 2: Hazards identification



2.1. Classification of the substance or mixture

Regulation (EC) n. 1272/2008 (CLP)

Skin Irrit. 2	Causes skin irritation.
Eye Dam. 1	Causes serious eye damage.
Skin Sens. 1B	May cause an allergic skin reaction.
STOT SE 3	May cause respiratory irritation.

Adverse physicochemical, human health and environmental effects:

No other hazards

2.2. Label elements

Regulation (EC) No 1272/2008 (CLP):

Hazard pictograms and Signal Word



Danger

Hazard statements

H315	Causes skin irritation.
H317	May cause an allergic skin reaction.
H318	Causes serious eye damage.
H335	May cause respiratory irritation.

Precautionary statements

P260	Do not breathe dust.
P280	Wear protective gloves and eye protection.
P302+P352	IF ON SKIN: Wash with plenty of water.
P305+P351+P338	IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.
P501	Dispose of contents/container in accordance with applicable regulations.

Special Provisions:

EUH208 Contains Flue Dust, Portland Cement. May produce an allergic reaction.

Contains

Portlandski cement

Special provisions according to Annex XVII of REACH and subsequent amendments:

Nobena

2.3. Other hazards

Mešanice vsebujejo cement, ob prisotnosti vode, na primer pri pripravi betona ali malt ali kadar se zmočijo, pride do močno alkalne raztopine (visoka pH vrednost zaradi tvorjenja kalcijevega hidroksida, natrija in kalija). Mešanice, ki vsebujejo cement, lahko dražijo oči, sluznico, grlo in dihalni sistem ter povzročajo kašelj. Ponavljajoče in dolgotrajno vdihavanje cementnega prahu ali prahu mešanic z vsebnostjo cementa poveča tveganje za nastanek pljučnih bolezni.

Mešanice z vsebnostjo cementa in njihove zmesi lahko ob dolgotrajnem stiku s kožo povzročijo preobčutljivost (zaradi prisotnosti sledi kromovih soli VI); kjer je potrebno, se prisotnost zmanjša z dodatkom posebnega aditiva, reducenta, ki vrednost v vodi topnega klora VI zniža in uravnava pod mejo 0,0002 % (2 ppm) na skupno suho težo cementa.

No PBT, vPvB or endocrine disruptor substances present in concentration >= 0.1%

SECTION 3: Composition/information on ingredients

3.1. Substances

N.A.

3.2. Mixtures

Mixture identification: METRIC TRACK GREY

Hazardous components within the meaning of the CLP regulation and related classification:

Qty	Name	Ident. Numb.	Classification	Registration Number
≥20-<50 %	Portlandski cement	CAS:65997-15-1 EC:266-043-4	Skin Irrit. 2, H315; Eye Dam. 1, H318; Skin Sens. 1B, H317; STOT SE 3, H335	
≥0.5-<1 %	Flue Dust, Portland Cement	CAS:68475-76-3 EC:270-659-9	Skin Irrit. 2, H315; Eye Dam. 1, H318; Skin Sens. 1, H317; STOT SE 3, H335	01-2119486767-17
<0.036 %	Quarz (SIO2)	CAS:14808-60-7 EC:238-878-4	STOT RE 1, H372	

SECTION 4: First aid measures

4.1. Description of first aid measures

In case of skin contact:

Immediately take off all contaminated clothing.

OBTAIN IMMEDIATE MEDICAL ATTENTION.

Remove contaminated clothing immediatley and dispose off safely.

After contact with skin, wash immediately with soap and plenty of water.

In case of eyes contact:

After contact with the eyes, rinse with water with the eyelids open for a sufficient length of time, then consult an opthalmologist immediately.

Protect uninjured eye.

In case of Ingestion:

Do not induce vomiting, get medical attention showing the SDS and label hazardous.

In case of Inhalation:

In case of inhalation, consult a doctor immediately and show him packing or label.

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

Eye irritation

Eye damages

Skin Irritation

Erythema

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

In case of accident or unwellness, seek medical advice immediately (show directions for use or safety data sheet if possible).

SECTION 5: Firefighting measures

5.1. Extinguishing media

Suitable extinguishing media:

Water.

Carbon dioxide (CO_2).

Extinguishing media which must not be used for safety reasons:

None in particular.

5.2. Special hazards arising from the substance or mixture

Do not inhale explosion and combustion gases.

Burning produces heavy smoke.

5.3. Advice for firefighters

Use suitable breathing apparatus .

Collect contaminated fire extinguishing water separately. This must not be discharged into drains.

Move undamaged containers from immediate hazard area if it can be done safely.

SECTION 6: Accidental release measures

6.1. Personal precautions, protective equipment and emergency procedures

For non emergency personnel:

Wear personal protection equipment.

Wear breathing apparatus if exposed to vapours/dusts/aerosols.

Provide adequate ventilation.

Use appropriate respiratory protection.

See protective measures under point 7 and 8.

For emergency responders:

Wear personal protection equipment.

6.2. Environmental precautions

Do not allow to enter into soil/subsoil. Do not allow to enter into surface water or drains.

Retain contaminated washing water and dispose it.

In case of gas escape or of entry into waterways, soil or drains, inform the responsible authorities.

Suitable material for taking up: absorbing material, organic, sand

6.3. Methods and material for containment and cleaning up

Suitable material for taking up: absorbing material, organic, sand

Wash with plenty of water.

6.4. Reference to other sections

See also section 8 and 13

SECTION 7: Handling and storage

7.1. Precautions for safe handling

Avoid contact with skin and eyes, inhalation of vapours and mists.

Use localized ventilation system.

Don't use empty container before they have been cleaned.

Before making transfer operations, assure that there aren't any incompatible material residuals in the containers.

Contamined clothing should be changed before entering eating areas.

Do not eat or drink while working.

See also section 8 for recommended protective equipment.

Advice on general occupational hygiene:

7.2. Conditions for safe storage, including any incompatibilities

Kontrola vodotopnega kroma (VI):

Izdelek vsebuje cemente z dodatkom reducenta kroma VI, čigar učinkovitost pa se s časom zmanjšuje. Izdelki imajo zato na embalaži zaveden datum proizvodnje, pogoje za skladiščenje in tudi ustrezen čas skladiščenja (rok trajanja), v katerem reducent za zmanjševanje vodotopnega kroma VI še obdrži vrednost kroma pod 2 ppm na skupno suho težo cementa (EN 196-10).

Incompatible materials:

Izdelek je treba skladiščiti v suhem in čistem prostoru, na nepremočljivem mestu, ki je zaščiten pred kontaminacijo.

Zaradi nezdružljivosti materialov ne uporabljajte aluminijastih posod.

None in particular.

Instructions as regards storage premises:

Adequately ventilated premises.

7.3. Specific end use(s)

Recommendation(s)

None in particular

Industrial sector specific solutions:

None in particular

SECTION 8: Exposure controls/personal protection

8.1. Control parameters

Community Occupational Exposure Limits (OEL)

Quartz (SiO2)

CAS: 14808-60-7	ACGIH	Long Term: 0.025 mg/m3 (8h) Notes: R, A2 - Pulm fibrosis, lung cancer
	NATIONAL Belgija	Long Term: 0.1 mg/m3 Notes: C Source: Code du bien-être au travail, Livre VI, Titre 1er, Annexe VI.1-1
	NATIONAL Danska	Long Term: 0.3 mg/m3 Notes: alveolijae, liite 3 Source: BEK nr 2203 af 29/11/2021
		Long Term: 0.1 mg/m3 Notes: EK Source: BEK nr 2203 af 29/11/2021
	NATIONAL Španija	Long Term: 0.3 mg/m3 Notes: Respirable fraction Source: LEP 2022
	NATIONAL Estonija	Long Term: 0.1 mg/m3 Notes: 1, C Source: Vabariigi Valitsuse, 20. märtsi 2001. a määrus nr 105
	NATIONAL Finska	Long Term: 0.05 mg/m3 Notes: alveolijae, liite 3 Source: HTP-ARVOT 2020
	NATIONAL Francija	Long Term: 0.1 mg/m3 Notes: La VLEP s'applique à la fraction alvéolaire. Forme de silice cristalline. Source: INRS outil65, article R. 4412-149 du Code du travail
	NATIONAL Madžarska	Long Term: 0.1 mg/m3 Source: 5/2020. (II. 6.) ITM rendelet
	NATIONAL Irska	Long Term: 0.1 mg/m3 Notes: Respirable fraction Source: 2021 Code of Practice
	NATIONAL Italija	Long Term: 0.1 mg/m3 Notes: Polvere di silice cristallina respirabile (frazione inalabile). Rif:D.Lgs 81/2008 Source: D.lgs. 81/2008, Allegato XLIII
	NATIONAL Litva	Long Term: 0.1 mg/m3 Notes: Žiūrėti 1 priedo 3 punktą. Source: 2011 m. rugsėjo 1 d. Nr. V-824/A1-389
	NATIONAL Nizozemska	Long Term: 0.075 mg/m3 Notes: (2) Source: Arbeidsomstandighedenregeling - Lijst B1
	NATIONAL Norveška	Long Term: 0.3 mg/m3 Notes: K 7 Source: FOR-2021-06-28-2248
		Long Term: 0.05 mg/m3 Notes: K G 7 21 Source: FOR-2021-06-28-2248
	NATIONAL Poljska	Long Term: 0.1 mg/m3 Notes: 6) Source: Dz.U. 2018 poz. 1286
	NATIONAL Švedska	Long Term: 0.1 mg/m3 Notes: C, M, 3 Source: AFS 2021:3
	SUVA Švicar	Long Term: 0.15 mg/m3 Notes: TWA mg/m3: (a), C1A, SSC, P, Cancpulm Silicose / Lugenkrebs Silikose, HSE NIOSH OSHA Source: suva.ch/valeurs-limites

Portlandski cement

CAS: 65997-15-1	ACGIH	Long Term: 1 mg/m3 (8h) Notes: E,R, A4 - Pulm func, resp symptoms, asthma
	NATIONAL Avstrija	Long Term: 5 mg/m3 Notes: MAK, E

		Source: BGBl. II Nr. 156/2021
	NATION Belgija AL	Long Term: 1 mg/m3 Source: Code du bien-être au travail, Livre VI, Titre 1er, Annexe VI.1-1
	NATION Španija AL	Long Term: 4 mg/m3 Notes: e, d Source: LEP 2022
	NATION Finska AL	Long Term: 5 mg/m3 Notes: hengittyvä pöly Source: HTP-ARVOT 2020 Long Term: 1 mg/m3 Notes: alveolijae Source: HTP-ARVOT 2020
	NATION Hrvaška AL	Long Term: 10 mg/m3 Notes: U Source: NN 1/2021 Long Term: 4 mg/m3 Notes: R Source: NN 1/2021
	NATION Madžarska AL	Long Term: 10 mg/m3 Notes: N Source: 5/2020. (II. 6.) ITM rendelet
	NATION Irska AL	Long Term: 1 mg/m3 Notes: R Source: 2021 Code of Practice
	NATION Latvija AL	Long Term: 6 mg/m3 Source: KN325P1
	NATION Poljska AL	Long Term: 6 mg/m3 Notes: 4) Source: Dz.U. 2018 poz. 1286 Long Term: 2 mg/m3 Notes: 6), 7) Source: Dz.U. 2018 poz. 1286
	SUVA Švicar	Long Term: 5 mg/m3 Notes: TWA mg/m3: (i), S, Poumons Asthme / Lunge Asthma Source: suva.ch/valeurs-limites
Dolomite		
CAS: 16389-88-1	NATION Latvija AL	Long Term: 6 mg/m3 Source: KN325P1
	NATION Poljska AL	Long Term: 10 mg/m3 Notes: 4), 7) Source: Dz.U. 2018 poz. 1286
Calcium sulfate		
CAS: 7778-18-9	ACGIH	Long Term: 10 mg/m3 (8h) Notes: I - Nasal symptoms
	NATION Avstrija AL	Long Term: 5 mg/m3; Short Term: 10 mg/m3 Notes: 60(Miw), 2x, MAK, A Source: GKV, BGBl. II Nr. 156/2021
	NATION Belgija AL	Long Term: 10 mg/m3 Source: Code du bien-être au travail, Livre VI, Titre 1er, Annexe VI.1-1
	NATION Nemčija AL	Long Term: 6 mg/m3 Notes: DFG, A Source: TRGS 900
	NATION Španija AL	Long Term: 10 mg/m3 Notes: e Source: LEP 2022
	NATION Grčija AL	Long Term: 10 mg/m3 Source: ΦΕΚ 94/Α` 13.5.1999 Long Term: 5 mg/m3

			Notes: αναπν. Source: ΦΕΚ 94/Α` 13.5.1999
			Long Term: 10 mg/m3 Notes: εισπν. Source: ΦΕΚ 94/Α` 13.5.1999
	NATIONAL	Madžarska	Long Term: 4 mg/m3 Notes: N Source: 5/2020. (II. 6.) ITM rendelet
			Long Term: 1.5 mg/m3 Notes: resp, N Source: 5/2020. (II. 6.) ITM rendelet
	NATIONAL	Irska	Long Term: 10 mg/m3 Source: 2021 Code of Practice
	NATIONAL	Latvija	Long Term: 4 mg/m3 Source: KN325P1
	NATIONAL	Poljska	Long Term: 10 mg/m3 Notes: 4), 7) Source: Dz.U. 2018 poz. 1286
	NATIONAL	Slovaška	Long Term: 4 mg/m3 Notes: 10) Source: 355 NARIADENIE VLÁDY z 10. mája 2006
			Long Term: 1.5 mg/m3 Notes: 11) Source: 355 NARIADENIE VLÁDY z 10. mája 2006
			Long Term: 4 mg/m3 Notes: 10) Source: 355 NARIADENIE VLÁDY z 10. mája 2006
			Long Term: 1.5 mg/m3 Notes: 11) Source: 355 NARIADENIE VLÁDY z 10. mája 2006
	NATIONAL	Slovenija	Long Term: 6 mg/m3 Notes: (A) Source: UL št. 72, 11. 5. 2021
	SUVA	Švicar	Long Term: 3 mg/m3 Notes: TWA mg/m3: (a), SSC, Formel / Formal Source: suva.ch/valeurs-limites

Flue Dust, Portland Cement

CAS: 68475-76-3	NATIONAL	Avstrija	Long Term: 5 mg/m3 Notes: MAK, E Source: BGBl. II Nr. 156/2021

(+)-tartaric acid

CAS: 87-69-4	NATIONAL	Nemčija	Long Term: 2 mg/m3 Notes: DFG, Y, E, 2 (I) Source: TRGS 900
	NATIONAL	Slovenija	Long Term: 2 mg/m3; Short Term: 4 mg/m3 Notes: Y, (I) Source: UL št. 72, 11. 5. 2021
	SUVA	Švicar	Long Term: 2 mg/m3; Short Term: 4 mg/m3 Notes: TWA mg/m3: (i), SSC, VR / AW Source: suva.ch/valeurs-limites

Quarz (SIO2)

CAS: 14808-60-7	ACGIH		Long Term: 0.025 mg/m3 (8h) Notes: R, A2 - Pulm fibrosis, lung cancer
	EU		Long Term: 0.1 mg/m3 Notes: Polvere di silice cristallina respirabile, frazione inalabile. (R), A2 - Pulm fibrosis, lung cancer. Directive 2017/2398
	NATIONAL	Avstrija	Long Term: 0.05 mg/m3 Notes: MAK, III C, A Source: BGBl. II Nr. 156/2021

NATIONAL	Belgija	Long Term: 0.1 mg/m3 Notes: C Source: Code du bien-être au travail, Livre VI, Titre 1er, Annexe VI.1-1
NATIONAL	Danska	Long Term: 0.3 mg/m3 Source: BEK nr 2203 af 29/11/2021
		Long Term: 0.1 mg/m3 Notes: EK Source: BEK nr 2203 af 29/11/2021
NATIONAL	Španija	Long Term: 0.05 mg/m3 (8h) Notes: Respirable fraction Source: LEP 2022
NATIONAL	Estonija	Long Term: 0.1 mg/m3 Notes: 1, C Source: Vabariigi Valitsuse, 20. märtsi 2001. a määrus nr 105
NATIONAL	Finska	Long Term: 0.05 mg/m3 Notes: alveolijae, liite 3 Source: HTP-ARVOT 2020
NATIONAL	Francija	Long Term: 0.1 mg/m3 Notes: La VLEP s'applique à la fraction alvéolaire. Forme de silice cristalline. Source: INRS outil65, article R. 4412-149 du Code du travail
NATIONAL	Hrvaška	Long Term: 0.1 mg/m3 Source: NN 1/2021
NATIONAL	Madžarska	Long Term: 0.1 mg/m3 (8h) Notes: Respirable aerosol Source: 5/2020. (II. 6.) ITM rendelet
NATIONAL	Irska	Long Term: 0.1 mg/m3 (8h) Notes: Respirable fraction Source: 2021 Code of Practice
NATIONAL	Italija	Long Term: 0.1 mg/m3 (8h) Notes: Polvere di silice cristallina respirabile (frazione inalabile). D.Lgs 81/2008 Source: D.lgs. 81/2008, Allegato XLIII
NATIONAL	Litva	Long Term: 0.1 mg/m3 Notes: Žiūrėti 1 priedo 3 punktą. Source: 2011 m. rugsėjo 1 d. Nr. V-824/A1-389
NATIONAL	Nizozemska	Long Term: 0.075 mg/m3 Notes: (2) Source: Arbeidsomstandighedenregeling - Lijst B1
NATIONAL	Norveška	Long Term: 0.3 mg/m3 Notes: K 7 Source: FOR-2021-06-28-2248
		Long Term: 0.05 mg/m3 Notes: K G 7 21 Source: FOR-2021-06-28-2248
NATIONAL	Poljska	Long Term: 0.1 mg/m3 Notes: 6) Source: Dz.U. 2018 poz. 1286
NATIONAL	Švedska	Long Term: 0.1 mg/m3 Notes: C, M, 3 Source: AFS 2021:3
SUVA	Švicar	Long Term: 0.15 mg/m3 Notes: TWA mg/m3: (a), C1A, SSC, P, Cancpulm Silicose / Lugenkrebs Silikose, HSE NIOSH OSHA Source: suva.ch/valeurs-limites

Silicon dioxide; synthetic amorphous silicon dioxide

CAS: 7631-86-9	NATIONAL Avstrija	Notes: MAK Source: BGBl. II Nr. 156/2021
	NATIONAL Belgija	Long Term: 10 mg/m3 Source: Code du bien-être au travail, Livre VI, Titre 1er, Annexe VI.1-1
	NATIONAL Nemčija	Long Term: 4 mg/m3 Notes: DFG, 2, Y, E

			Source: TRGS 900
	NATIONAL	Estonija	Long Term: 2 mg/m3 Notes: 1 Source: Vabariigi Valitsuse, 20. märtsi 2001. a määrus nr 105
	NATIONAL	UNITED KINGDOM OF GREAT BRITAIN AND NORTHERN IRELAND	Long Term: 6 mg/m3 Notes: Inhalable aerosol Source: EH40/2005 Workplace exposure limits
			Long Term: 2.4 mg/m3 Notes: Respirable aerosol Source: EH40/2005 Workplace exposure limits
	NATIONAL	Irska	Long Term: 6 mg/m3 Notes: Inhalable fraction Source: 2021 Code of Practice
			Long Term: 2.4 mg/m3 Notes: Respirable fraction Source: 2021 Code of Practice
	NATIONAL	Latvija	Long Term: 1 mg/m3 Source: KN325P1
	NATIONAL	Slovenija	Long Term: 4 mg/m3 Notes: Y, (I) Source: UL št. 72, 11. 5. 2021
	SUVA	Švicar	Notes: SSC, Fibpulm / Lungenfibrose, Des VMEs se trouvent sous les substances associées / MAK-Werte finden sich unter den zugeordneten Stoffen Source: suva.ch/valeurs-limites
			Long Term: 4 mg/m3 Notes: TWA mg/m3: (i), SSC, Fibpulm / Lungenfibrose Source: suva.ch/valeurs-limites
Starch			
CAS: 9005-25-8	ACGIH		Long Term: 10 mg/m3 (8h) Notes: A4 - Dermatitis
	NATIONAL	Belgija	Long Term: 10 mg/m3 Source: Code du bien-être au travail, Livre VI, Titre 1er, Annexe VI.1-1
	NATIONAL	Španija	Long Term: 10 mg/m3 Source: LEP 2022
	NATIONAL	Grčija	Long Term: 10 mg/m3 Notes: εισπν Source: ΦΕΚ 94/Α` 13.5.1999
			Long Term: 5 mg/m3 Notes: αναπν Source: ΦΕΚ 94/Α` 13.5.1999
	NATIONAL	Irska	Long Term: 10 mg/m3 Source: 2021 Code of Practice
			Long Term: 4 mg/m3 Source: 2021 Code of Practice
	WEL-EH40	UNITED KINGDOM OF GREAT BRITAIN AND NORTHERN IRELAND	Long Term: 10 mg/m3 Source: EH40/2005 Workplace exposure limits (Fourth Edition 2020)
			Long Term: 4 mg/m3 Source: EH40/2005 Workplace exposure limits (Fourth Edition 2020)
	SUVA	Švicar	Long Term: 3 mg/m3 Notes: TWA mg/m3: (a) Source: suva.ch/valeurs-limites

Predicted No Effect Concentration (PNEC) values

Flue Dust, Portland Cement

CAS: 68475-76-3 Exposure Route: Fresh Water; PNEC Limit: 282 mg/m3

Exposure Route: Intermittent releases (fresh water); PNEC Limit: 282 mg/m3

Exposure Route: Marine water; PNEC Limit: 28 mg/m3

Exposure Route: Mikroorganizmi v čiščenju odplak; PNEC Limit: 6 mg/kg

Exposure Route: Usedline morske vode; PNEC Limit: 88 µg/kg

Exposure Route: Freshwater sediments; PNEC Limit: 875 µg/kg

Derived No Effect Level (DNEL) values

Flue Dust, Portland Cement

CAS: 68475-76-3 Exposure Route: Human Inhalation; Exposure Frequency: Long Term, local effects
Worker Professional: 840 µg/m³; Consumer: 840 µg/m³

Exposure Route: Human Inhalation; Exposure Frequency: Short Term, local effects
Worker Professional: 4 mg/kg/day

8.2. Exposure controls

Eye protection:

Očala s stransko zaščito.(EN166)

Protection for skin:

Kemična zaščitna oblačila. Zaščitna obutev

Protection for hands:

Zaščita rok:

Materiali primerni za začitne rokavice; EN 374:

Nitril kavčuk NBR: debeline ≥ 0,35 mm; čas preboja ≥ 480 min.

Respiratory protection:

Filter za delce P2. EN 149

Thermal Hazards:

Ni predvideno, če se uporablja, kot je predvideno

Environmental exposure controls:

Ne dovolite, da izdelek pride v kanalizacijo ali v površinske ali podzemne vode.

SECTION 9: Physical and chemical properties

9.1. Information on basic physical and chemical properties

Physical state:	Solid
Colour:	grey
Odour:	characteristic
pH:	<=12.00 1%
Kinematic viscosity:	Not Relevant Notes: Ni določeno, ker ni potrebno za CLP-razvrstitev
Melting point/freezing point:	N.A.
Boiling point or initial boiling point and boiling range:	N.A.
Flash point:	Not applicable
Lower and upper explosion limit:	Not Relevant Notes: Se ne uporablja, ker zmes ni vnetljiva
Relative vapour density:	Not Relevant Notes: Se ne uporablja, ker zmes ni tekoča
Vapour pressure:	Not Relevant Notes: Se ne uporablja, ker zmes ni tekoča
Density and/or relative density:	2.44 g/cm3
Solubility in water:	Se meša
Solubility in oil:	Not Relevant Notes: Ni določeno, ker ni potrebno za CLP-razvrstitev

Partition coefficient n-octanol/water (log value):	Not Relevant
	Notes: Ni uporabljivo za zmesi
Auto-ignition temperature:	Not Relevant
	Notes: Se ne uporablja, ker zmes ni tekoča
Decomposition temperature:	Not Relevant
	Notes: Ni uporabljivo, ker zmes ni samoreaktivna
Flammability:	Not Relevant
	Notes: Se ne uporablja, ker zmes ni vnetljiva
Volatile Organic compounds - VOCs =	0.00%; 0.00g/L

Particle characteristics:

Particle size: N.A.

9.2. Other information

Evaporation rate: Not Relevant

Notes: Se ne uporablja, ker zmes ni tekoča

No other relevant information

SECTION 10: Stability and reactivity

10.1. Reactivity

Stable under normal conditions

10.2. Chemical stability

Izdelek je stabilen dlje časa, če se skladišči v ustreznih pogojih skladno z navodili (glej točko 7).

Vlažen izdelek je bazičen in nezdružljiv s kislinami, amonijevimi solmi, aluminijem in drugimi nežlahtnimi kovinami. Mešanice z vsebnostjo cementa se ob stiku s fluorovodikovo kislino razgradijo in tvorijo jedek plin silicijev tetrafluorid. Mešanice z vsebnostjo cementa reagirajo z vodo in tvorijo kalcijeve silikate in hidroksid. Silikati v cementu reagirajo z močnimi oksidanti, kot so fluor, borov trifluorid, klorov trifluorid, magnezijev trifluorid in kisikov difluorid.

Neodprte embalaže in upoštevanje pogojev skladiščenja, kot je navedeno v točki 7.2 (ustrezne zaprte posode, suh in svež prostor brez prezračevanja) so nujni pogoji

za ohranjanje učinkovitosti redukcijskega sredstva v obdobju shranjevanja, navedenem na vreči.

10.3. Possibility of hazardous reactions

None.

10.4. Conditions to avoid

Stable under normal conditions.

10.5. Incompatible materials

Kisline, amonijeve in aluminijeve soli ter soli drugih nežlahtnih kovin. Zaradi nastajanja hidrogena se je treba izogibati nekontrolirani uporabi aluminijevega prahu v izdelkih, ki vsebujejo moker cement.

None in particular.

10.6. Hazardous decomposition products

None.

SECTION 11: Toxicological information

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

Toxicological Information of the Preparation

a) acute toxicity	Not classified
	Based on available data, the classification criteria are not met
b) skin corrosion/irritation	The product is classified: Skin Irrit. 2(H315)
c) serious eye damage/irritation	The product is classified: Eye Dam. 1(H318)
d) respiratory or skin sensitisation	The product is classified: Skin Sens. 1B(H317)
e) germ cell mutagenicity	Not classified
	Based on available data, the classification criteria are not met
f) carcinogenicity	Not classified
	Based on available data, the classification criteria are not met
g) reproductive toxicity	Not classified
	Based on available data, the classification criteria are not met
h) STOT-single exposure	The product is classified: STOT SE 3(H335)
i) STOT-repeated exposure	Not classified

		Based on available data, the classification criteria are not met
j) aspiration hazard		Not classified
		Based on available data, the classification criteria are not met

Toxicological information on main components of the mixture:

Flue Dust, Portland Cement

CAS: 68475-76-3	a) acute toxicity	LD50 Oral Rat > 1848 mg/kg
		LC50 Inhalation Dust Rat > 6.04 mg/l 4h
		LD50 Skin Rat >= 2000 mg/kg 24h
	b) skin corrosion/irritation	Skin Irritant Negative
	c) serious eye damage/irritation	Eye Irritant Yes
	d) respiratory or skin sensitisation	Skin Sensitization Positive
	f) carcinogenicity	Genotoxicity Rat Negative
	g) reproductive toxicity	No Observed Adverse Effect Level Oral Rat = 16 mg/kg

Quarz (SIO2)

CAS: 14808-60-7	Generic information:	Informazione tossicologia a livello di sostanza
	a) acute toxicity	LD50 Oral > 2000 mg/kg

11.2. Information on other hazards

Endocrine disrupting properties:

No endocrine disruptor substances present in concentration >= 0.1%

SECTION 12: Ecological information

12.1. Toxicity

Adopt good working practices, so that the product is not released into the environment.

Eco-Toxicological Information:

List of Eco-Toxicological properties of the product

Not classified for environmental hazards.

No data available for the product

List of Eco-Toxicological properties of the components

Flue Dust, Portland Cement

CAS: 68475-76-3	a) Aquatic acute toxicity: NOEC Fish zebrafish = 11.1 mg/L 96h
	a) Aquatic acute toxicity: LC50 Daphnia Daphnia magna = 100 mg/L 48h
	b) Aquatic chronic toxicity: NOELR Daphnia Daphnia magna = 50 mg/L 48h
	b) Aquatic chronic toxicity: EL10 Daphnia Daphnia magna = 68.2 mg/L 48h
	a) Aquatic acute toxicity: EC50 Algae Desmodesmus subspicatus = 28.2 mg/L 72h
	a) Aquatic acute toxicity: EC50 Sludge activated sludge = 596 mg/L
	b) Aquatic chronic toxicity: EC50 = 9931 mg/kg
	d) Terrestrial toxicity: EC50 Worm Eisenia fetida = 1000 mg/kg

12.2. Persistence and degradability

N.A.

12.3. Bioaccumulative potential

N.A.

12.4. Mobility in soil

N.A.

12.5. Results of PBT and vPvB assessment

Ni sestavine PBT/vPvB.

12.6. Endocrine disrupting properties

No endocrine disruptor substances present in concentration >= 0.1%

12.7. Other adverse effects

N.A.

SECTION 13: Disposal considerations

13.1. Waste treatment methods

Če je mogoče, predelajte. Pošljite v usposobljena odlagališča ali v zažig pod kontroliranimi pogoji. Ravnajte se po lokalnih in državnih normah. Odstranjevanje z izpustom v odpadne vode ni dovoljeno

Odstranjeni izdelek mora biti v skladu z Uredbo (EU) 1357/2014 razvrščen kot nevaren odpadek

Šifre odpadkov v skladu z Evropski seznam odpadkov (ESO) ni mogoče določiti zaradi odvisnosti od uporabe. Obrnite se na pooblaščeno službo za odstranjevanje odpadkov.

Properties of waste which render it hazardous (Annex III, Directive 2008/98/EC):

N.A.

SECTION 14: Transport information

Not classified as dangerous in the meaning of transport regulations.

14.1. UN number or ID number

N/A

14.2. UN proper shipping name

ADR-Shipping Name: N/A

IATA-Shipping Name: N/A

IMDG-Shipping Name: N/A

14.3. Transport hazard class(es)

ADR-Class: N/A

IATA-Class: N/A

IMDG-Class: N/A

14.4. Packing group

ADR-Packing Group: N/A

IATA-Packing group: N/A

IMDG-Packing group: N/A

14.5. Environmental hazards

Marine pollutant: No

Environmental Pollutant: No

IMDG-EMS: N/A

14.6. Special precautions for user

Road and Rail (ADR-RID):

ADR-Label: N/A

ADR - Hazard identification number: N/A

ADR-Special Provisions: N/A

ADR-Transport category (Tunnel restriction code): N/A

ADR Limited Quantities: N/A

ADR Excepted Quantities: N/A

Air (IATA):

IATA-Passenger Aircraft: N/A

IATA-Cargo Aircraft: N/A

IATA-Label: N/A

IATA-Subsidiary hazards: N/A

IATA-Erg: N/A

IATA-Special Provisions: N/A

Sea (IMDG):

IMDG-Stowage and handling: N/A

IMDG-Segregation: N/A

IMDG-Subsidiary hazards: N/A

IMDG-Special Provisions: N/A

14.7. Maritime transport in bulk according to IMO instruments

N.A.

SECTION 15: Regulatory information

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

EN 196/10 – Metode preskušanja cementa – 10. del: Določevanje vodotopnega kroma (VI) v cementu

Uredba (ES) št. 1907/2006 (REACH) v 47. točki Priloge XVII in Uredba št. 552/2009 o spremembi te priloge prepoveduje dajanje v promet in uporabo cementa in njegovih zmesi, če v hidratizirani obliki vsebujejo več kot 0,0002 % (2 ppm) v vodi topnega kroma VI, računano na skupno suho težo cementa. Ta omejitev se zagotavlja z uporabo posebnega aditiva cementu, reducenta, čigar učinkovitost je zagotovljena za določen vnaprej predviden rok trajanja ob upoštevanju ustreznih navodil skladiščenja (navedeno v točkah 7.2 in 10.2).

Glede na to, da je cement zmes, kot tak ni predmet registracije REACH, ki zadeva snovi. Cementni klinker pa je snov, ki je na podlagi člena 2.7 (b) in Priloge V.10 uredbe REACH iz registracije izvzeta.

Dir. 98/24/EC (Risks related to chemical agents at work)
Dir. 2000/39/EC (Occupational exposure limit values)
Regulation (EC) n. 1907/2006 (REACH)
Regulation (EU) n. 2020/878
Regulation (EC) n. 1272/2008 (CLP)
Regulation (EC) n. 790/2009 (ATP 1 CLP) and (EU) n. 758/2013
Regulation (EU) n. 286/2011 (ATP 2 CLP)
Regulation (EU) n. 618/2012 (ATP 3 CLP)
Regulation (EU) n. 487/2013 (ATP 4 CLP)
Regulation (EU) n. 944/2013 (ATP 5 CLP)
Regulation (EU) n. 605/2014 (ATP 6 CLP)
Regulation (EU) n. 2015/1221 (ATP 7 CLP)
Regulation (EU) n. 2016/918 (ATP 8 CLP)
Regulation (EU) n. 2016/1179 (ATP 9 CLP)
Regulation (EU) n. 2017/776 (ATP 10 CLP)
Regulation (EU) n. 2018/669 (ATP 11 CLP)
Regulation (EU) n. 2018/1480 (ATP 13 CLP)
Regulation (EU) n. 2019/521 (ATP 12 CLP)
Regulation (EU) n. 2020/217 (ATP 14 CLP)
Regulation (EU) n. 2020/1182 (ATP 15 CLP)
Regulation (EU) n. 2021/643 (ATP 16 CLP)
Regulation (EU) n. 2021/849 (ATP 17 CLP)
Regulation (EU) n. 2022/692 (ATP 18 CLP)
Regulation (EU) n. 2023/707
Regulation (EU) n. 2023/1434 (ATP 19 CLP)
Regulation (EU) n. 2023/1435 (ATP 20 CLP)
Regulation (EU) n. 2024/197 (ATP 21 CLP)
Regulation (EU) n. 2024/2564 (ATP 22 CLP)
Regulation (EU) n. 2024/2865
Regulation (EU) n. 2025/1222 (ATP 23 CLP)
Regulation (EC) nr 648/2004 (Detergents).

Omejitve, povezane z izdelkom ali vsebovanimi snovmi, v skladu s Prilogo XVII Uredbe (ES) 1907/2006 (REACH) in poznejše spremembe:

Restrictions related to the product: Nobena

Restrictions related to the substances contained: Nobena

Provisions related to directive EU 2012/18 (Seveso III):

None

Explosives precursors – Regulation 2019/1148

No substances listed

Regulation (EU) No 649/2012 (PIC regulation)

No substances listed

German Water Hazard Class.

Razred 2: ogroža vodo.

German Lagerklasse according to TRGS 510:

LGK 11

SVHC Substances:

No SVHC substances present in concentration >= 0.1%

15.2. Chemical safety assessment

No Chemical Safety Assessment has been carried out for the mixture.

Substances for which a Chemical Safety Assessment has been carried out:

Flue Dust, Portland Cement

SECTION 16: Other information

Code	Description
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.

Code	Hazard class and hazard category	Description
3.2/2	Skin Irrit. 2	Skin irritation, Category 2
3.3/1	Eye Dam. 1	Serious eye damage, Category 1
3.4.2/1	Skin Sens. 1	Skin Sensitisation, Category 1
3.4.2/1B	Skin Sens. 1B	Skin Sensitisation, Category 1B
3.8/3	STOT SE 3	Specific target organ toxicity — single exposure, Category 3
3.9/1	STOT RE 1	Specific target organ toxicity — repeated exposure, Category 1

Classification and procedure used to derive the classification for mixtures according to Regulation (EC) 1272/2008 [CLP]:

Classification according to Regulation (EC) Nr. 1272/2008	Classification procedure
Skin Irrit. 2, H315	Calculation method
Eye Dam. 1, H318	Calculation method
Skin Sens. 1B, H317	Calculation method
STOT SE 3, H335	Calculation method

This document was prepared by a competent person who has received appropriate training.

Main bibliographic sources:

ECDIN - Environmental Chemicals Data and Information Network - Joint Research Centre, Commission of the European Communities

SAX's DANGEROUS PROPERTIES OF INDUSTRIAL MATERIALS - Eight Edition - Van Nostrand Reinold

The information contained herein is based on our state of knowledge at the above-specified date. It refers solely to the product indicated and constitutes no guarantee of particular quality.

It is the duty of the user to ensure that this information is appropriate and complete with respect to the specific use intended.

This MSDS cancels and replaces any preceding release.

Legend to abbreviations and acronyms used in the safety data sheet:

ACGIH: American Conference of Governmental Industrial Hygienists

ADR: European Agreement concerning the International Carriage of Dangerous Goods by Road.

AND: European Agreement concerning the International Carriage of Dangerous Goods by Inland Waterways

ATE: Acute Toxicity Estimate

ATEmix: Acute toxicity Estimate (Mixtures)

BCF: Biological Concentration Factor

BEI: Biological Exposure Index

BOD: Biochemical Oxygen Demand

CAS: Chemical Abstracts Service (division of the American Chemical Society).

CAV: Poison Center

CE: European Community

CLP: Classification, Labeling, Packaging.

CMR: Carcinogenic, Mutagenic and Reprotoxic

COD: Chemical Oxygen Demand

COV: Volatile Organic Compound

CSA: Chemical Safety Assessment

CSR: Chemical Safety Report

DMEL: Derived Minimal Effect Level

DNEL: Derived No Effect Level.

DPD: Dangerous Preparations Directive

DSD: Dangerous Substances Directive

EC50: Half Maximal Effective Concentration

ECHA: European Chemicals Agency

EINECS: European Inventory of Existing Commercial Chemical Substances.

ES: Exposure Scenario

GefStoffVO: Ordinance on Hazardous Substances, Germany.

GHS: Globally Harmonized System of Classification and Labeling of Chemicals.

IARC: International Agency for Research on Cancer

IATA: International Air Transport Association.

IATA-DGR: Dangerous Goods Regulation by the "International Air Transport Association" (IATA).

IC50: half maximal inhibitory concentration

ICAO: International Civil Aviation Organization.

ICAO-TI: Technical Instructions by the "International Civil Aviation Organization" (ICAO).

IMDG: International Maritime Code for Dangerous Goods.

INCI: International Nomenclature of Cosmetic Ingredients.

IRCCS: Scientific Institute for Research, Hospitalization and Health Care

KAFH: Keep Away From Heat

KSt: Explosion coefficient.

LC50: Lethal concentration, for 50 percent of test population.

LD50: Lethal dose, for 50 percent of test population.

LDLo: Leathal Dose Low

N.A.: Not Applicable

N/A: Not Applicable

N/D: Not defined/ Not available

NA: Not available
NIOSH: National Institute for Occupational Safety and Health
NOAEL: No Observed Adverse Effect Level
OSHA: Occupational Safety and Health Administration
PBT: Persistent, Bioaccumulative and Toxic
PGK: Packaging Instruction
PNEC: Predicted No Effect Concentration.
PSG: Passengers
RID: Regulation Concerning the International Transport of Dangerous Goods by Rail.
STEL: Short Term Exposure limit.
STOT: Specific Target Organ Toxicity.
TLV: Threshold Limiting Value.
TWATLV: Threshold Limit Value for the Time Weighted Average 8 hour day. (ACGIH Standard).
vPvB: Very Persistent, Very Bioaccumulative.
WGK: German Water Hazard Class.

Paragraphs modified from the previous revision:

- Safety Data Sheet
- SECTION 1: Identification of the substance/mixture and of the company/undertaking
- SECTION 2: Hazards identification
- SECTION 3: Composition/information on ingredients
- SECTION 8: Exposure controls/personal protection
- SECTION 9: Physical and chemical properties
- SECTION 10: Stability and reactivity
- SECTION 11: Toxicological information
- SECTION 12: Ecological information
- SECTION 13: Disposal considerations
- SECTION 15: Regulatory information

Scenarij izpostavljenosti

Flue dust, portland cement

Scenarij izpostavljenosti, 08/06/2021

Identiteta snovi	
	Flue dust, portland cement
št.CAS	68475-76-3
št.EINECS	270-659-9
Registracijska številka	01-2119486767-17

Kazalo

1. **ES 1** Široko razširjena uporaba, ki jo izvajajo poklicni delavci; Razni produkti (PC9b, PC9a, PC1, PC15)

1. ES 1 Široko razširjena uporaba, ki jo izvajajo poklicni delavci; Razni produkti (PC9b, PC9a, PC1, PC15)

1.1 NASLOVNI ODSTAVEK

Ime scenarija izpostavljenosti	Uporaba v visokih in nizkih gradnjah - Gospodarska uporaba sredstev za nego tal - Lepljiva podlaga
Datum - revizija	25/03/2021 - 1.0
Stopnja življenjskega cikla	Široko razširjena uporaba, ki jo izvajajo poklicni delavci
Glavna uporabniška skupina	Poklicne uporabe
Sektor(-ji) uporabe	Poklicne uporabe (SU22)
Kategorije izdelkov	Polnila, kiti, mavci, modelirna glina (PC9b) - Premazi in barve, razredčila, sredstva za odstranjevanje barv (PC9a) - Lepila, tesnilna sredstva (PC1) - Izdelki za obdelavo nekovinskih površin (PC15)
Kategorije proizvodov	Izdelki iz kamna, mavca, cementa, stekla in keramike: Izdelki, ki se uporabljajo na velikih površinah (AC4a)

Scenarij, ki prispeva Okolje

CS1 Nizki izpusti v okolje	ERC2

Scenarij, ki prispeva Delojemalec

CS2 Dejavnosti mešanja - Polnjenje posod in izlivanje iz njih - Ročna uporaba - Prstne barve, krede, lepila - Polnjenje in priprava opreme iz sodov ali posod - Ročno - Čiščenje in vzdrževanje naprave - Nanašanje z valjem, pršenjem in polivanjem - Vzdrževanje opreme	PROC5 - PROC8a - PROC8b - PROC10 - PROC11 - PROC19 - PROC26 - PROC28

1.2 Pogoji uporabe z vplivom na izpostavitev

1.2. CS1: Scenarij, ki prispeva Okolje: Nizki izpusti v okolje (ERC2)

Kategorije sproščanja v okolje	Formuliranje v zmes (ERC2)

Lastnosti izdelka (proizvoda)

Fizikalna oblika izdelka:

Trdna snov, zelo visoka prašnost

Parni tlak:

< 1E-05 Pa

1.2. CS2: Scenarij, ki prispeva Delojemalec: Dejavnosti mešanja - Polnjenje posod in izlivanje iz njih - Ročna uporaba - Prstne barve, krede, lepila - Polnjenje in priprava opreme iz sodov ali posod - Ročno - Čiščenje in vzdrževanje naprave - Nanašanje z valjem, pršenjem in polivanjem - Vzdrževanje opreme (PROC5, PROC8a, PROC8b, PROC10, PROC11, PROC19, PROC26, PROC28)

Kategorije procesov	Mešanje ali legiranje v šaržnih procesih - Prenos snovi ali zmesi (polnjenje in praznjenje) na nenamenskih napravah - Prenos snovi ali zmesi (polnjenje in praznjenje) na namenskih napravah - Nanašanje z valjčkom ali čopičem - Neindustrijsko brizganje - Ročne dejavnosti, ki vključujejo ročni stik - Rokovanje s trdnimi anorganskimi snovmi na sobni temperaturi - Ročno vzdrževanje (čiščenje in popravila) strojev (PROC5, PROC8a, PROC8b, PROC10, PROC11, PROC19, PROC26, PROC28)

Lastnosti izdelka (proizvoda)

Fizikalna oblika izdelka:

Trdna snov, zelo visoka prašnost
Trdna snov v raztopini
pastozen

Koncentracija substance v produktu:

Obsega delež snovi v izdelku do 5 %.

Uporabljena količina, pogostost in trajanje uporabe/izpostavljenost

Trajanje:

Trajanje izpostavljenosti <= 480 min

Frekvenca:

Pogostost uporabe = 8 h/dogodek

Tehnični in organizacijski pogoji in ukrepi

Tehnični in organizacijski ukrepi

Nadzorujte pravilen prenos razpoložljivih ukrepov za obvladovanje tveganj in upoštevanje pogojev delovanja.
Pri dejavnostih z veliko razpršitvijo, kjer so verjetni znatni izpusti aerosolov (npr. razprševanje), so morda potrebni dodatni ukrepi za zaščito kože, kot so neprepustna oblačila in zaščita obraza.
Zagotovite, da so upravljavci usposobljeni za zmanjšanje izpostavljenosti na minimum.
Za ukrepe za obvladovanje tveganja zaradi fizikalno-kemičnih lastnosti glejte glavno besedilo varnostnega lista, oddelek 7 in/ali 8.
Ne používati.

Pogoji in ukrepi glede na osebno zaščito, higieno in preverjanje zdravstvenega stanja

Osebna zaščitna oprema

Nosite primerne rokavice, preizkušene po EN374.
Uporaba zaščite oči v skladu z EN 166.
Nosite respirator skladno z EN140.

Drugi pogoji uporabe, ki vplivajo na izpostavljenost delojemalcev

Zajema notranjo in zunanjo uporabo
Gospodarska uporaba
Temperatura: Obsega uporabo pri temperaturi okolice. 23°C
Izpostavljeni deli telesa:

Predpostavlja se, da je morebiten stik s kožo omejen na dlani in podlakti.

Dodaten nasvet iz primerov dobre prakse. Obveznosti v skladu s 4. odstavkom 37. člena Uredbe REACH ne veljajo.

Dodaten nasvet iz primerov dobre prakse:

Zagotovite reden servis, čiščenje in vzdrževanje strojev in naprav Sprejeti preventivne ukrepe in ukrepe za vajo za nujno dekontaminacijo in odstranjevanje odpadnih snovi Zagotovite redno preverjanje in vzdrževanje nadzornih ukrepov.

1.3 Ocena izpostavljenosti in sklicevanje na njen vir

1.3. CS2: Scenarij, ki prispeva Delojemalec: Dejavnosti mešanja - Polnjenje posod in izlivanje iz njih - Ročna uporaba - Prstne barve, krede, lepila - Polnjenje in priprava opreme iz sodov ali posod - Ročno - Čiščenje in vzdrževanje naprave - Nanašanje z valjem, pršenjem in polivanjem - Vzdrževanje opreme (PROC5, PROC8a, PROC8b, PROC10, PROC11, PROC19, PROC26, PROC28)

Pot izpostavljenosti, Učinki na zdravje, Indikatorji izpostavljenosti	Stopnja izpostavljenosti	Metoda izračuna	Stopnja opredelitve tveganja (RCR)
inhalacijski, lokalno, kratkoročno	< 1 mg/m³	MEASE	<= 0.83

Dodatne informacije glede ocene izpostavljenosti:

Razpoložljivi podatki o nevarnostih ne dovoljujejo odstopanja od DNEL za draženje na koži.

1.4 Smernica za uporabnika, za ugotavljanje, ali dela znotraj omejitev scenarija izpostavitve

Vodilo za preverjanje skladnosti s scenarijem izpostavljenosti:

Če so bili sprejeti dodatni ukrepi za upravljanje s tveganji/pogoji za uporabo, morajo uporabniki zagotoviti vsaj enakovredno raven upravljanja s tveganji.