

Material Safety Data Sheet



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Point 1-16

1. IDENTIFICATION OF PRODUCT AND COMPANY

1.1 Description of Product: Hydraulic / pozzolanic binder
Tradename: Contec® Binder S
Product Nr.:

1.2 IDENTIFICATION OF COMPANY

Producer: Contec ApS
Street: Axel Kiers Vej 30
Country/City: DK – 8270 Højbjerg
Contact: Telefon +45 86 721 722
Telefax +45 86 721 723

2. INFORMATION ON COMPONENTS

2.1 CHEMICAL DESCRIPTION AND COMPONENT IDENTIFICATION

Hydraulic Binder mixed with silica sand as dry ready mixed mortar:

Tri-Calcium Silicate	20-60	12168-85-3
Di-Calcium Silicate	10-50	10034-77-2
Tri-Calcium-Aluminate	5-14	12042-78-3
Tetra-Calcium-Al-Fe	2-15	12068-35-8
Calcium Sulfate	5-10	Verschiedene
Calcium-Oxide	0-24	1305-78-8
Aluminium Oxide	5-15	1344-28-1
Cristalline Silica	0-5	14808-60-7
Magnesium Oxide	0-8	1309-48-4
Chromate	0-0.002	Verschiedene
Amourphous Silica	10-25 %	7631-86-9
Further Additives	1-5 %	32-5016-94
Iron Oxide	0-4 %	1309-37-1

2.2 HAZARDOUS CONTENTS

Portland Cement

CAS-Nr. 65 997-15-1	EWG-Nr. 266-043-4	Content: 65-85%
Marking: X _i	Irritant	R38-41

3. HAZARD IDENTIFICATION

3.1 Hazard marking X_i Irritant

3.2 Special hazard instructions for people R 38 May cause irritant skin
R 41 may cause eye damages

4. FIRST AID MEASURES

4.1 General instructions Not Applicable (NA)

4.2 Inhalation Follow doctors order

4.3 Skin contact Rinse thoroughly with water and evtl. contact doctor

4.4 **Eye Contact** Rinse thoroughly with water and contact doctor (S 26)

4.5 **Informations for doctor** NA

5. Firefighting measures

5.1 **Firefighting products** NA since Product non-combustible

5.2 **Hazardous combustion products** NA

5.3 **General Hazard of gas or by products** NA

5.4 **Special protection equipment** NA

6. ACCIDENTAL RELEASE MEASURES

6.1 **Personal protection measures** Avoid skin- and eye contact, avoid generating dust, secure adequate amount of fresh air and use respiratory protection mask.

6.2 **Environmental protection** Avoid dry powder and wet mortar to penetrate canals due to blocking risk. The products is uncritical to the environment.

6.3 **Land and water spill** Clean up spilled material

6.4 **Additional instructions** Hardens after contact with water after 5 to 8 hours, can be disposed like concrete.

7. HANDLING AND STORAGE

7.1 General

Directions for safe handling Avoid generating dust

Avoid contact with eyes and skin During work avoid contact with wet material and avoid direct skin contact with protective clothing.

Directions to fire- and explosive protection NA

7.2 Storage

Directions for storage Store dry protected against humidity in a covered area on pallets

Joint storing advise NA

Extra request to storage NA

Classification NA

8. EXPOSURE CONTROLE - PERSONAL PROTECTION

8.1 **Engineering controls** NA

8.2 Contents with working area limited values

CAS-Nr.	Type	Value for limit	Value	Unit
68475-76-3	Portland Cement	MAK-value	5	mg/m ³ (E)

Werte nach TRGS 900

8.3 Personal protection

Inhaling protection	Dust may cause nose, throat or lung irritation. Use particle filtering mask or Particle Filter P1-P3
Hand protection	Use gloves approved for working with mortar and concrete. As example nitril saturated cotton gloves with CE-Sign.
Eye protection	Wear glasses or safety goggles to prevent contact with eyes. As example Type XZZ 3 oder 4
Body protection	NA
Schutz- und Hygienemaßnahmen	Protect skin with lotion before and after work according to skin protection plan ZH 1/708

9. PHYSICAL AND CHEMICAL PROPERTIES

9.1

Physical state	Solid Powder
Colour	Grey
Odor	None

9.2 Safety Data

	Value	Value	Method (67/548/EEC)
Boiling Point	≥ 1.000	°C	NA
Flame point		°C	NA
Ignition Temperature		°C	NA
Self ignite temperature		°C	NA
Explosive hazard			NA
Explosion limits			NA
Vapor pressure		hpa	NA
Density	2,7 - 2,8	g/cm ³	A.3 1.4.2
Solubility in water	bis 1,5 T=20°C	g/l	A.6 1.4.2
pH-Value	11,5 – 12,5		
Solvent content		%	NA

9.3 Further informations

NA

10. STABILITY AND REACTIVITY

10.1 Conditions to avoid	Humidity
10.2 Products to avoid	NA
10.3 Hazardous products	NA
10.4 Further specifications	NA

11. TOXICOLOGICAL INFORMATIONS

11.1 Toxicological tests

Acute Toxity NA

Spezifik
Symptoms NA

Skin irritating behaviour

Sensibilisation	NA
Further specifications	NA
Practical experience	
Classifying	
11.2 Observations	NA
Further Observations	Product mixed with water can by longer contact with skin irritate and create skin damages. Mechanical abrasion of skin kann increase this damage.
11.3 General observations	NA

12. ECOLOGICAL INFORMATION

12.1 Specifications on Elimination	NA as Mineral product
12.2 Behaviour to Invironment	NA as Mineral product
12.3 Ecological influence	Only by accidental release of extremely large amounts mixed with water an increased Ph-value is possible. lich
12.4 Further Ecological Specifications	No available informations

13. DISPOSAL CONSIDERATIONS

13.1 Product (unused Restamount)

Recommendation	Dry collected reusable
EWC-Wastekey-Nr.	NA

13.2 Product (after mixing with water, hardened)

Recommendation	mixed with water treat as hardened concrte
EWC-Wastekey-Nr	170101 Concrete (simplified documentation at more than 5 ton per year and producer

13.3 Uncleaned packings

recommendations	When receiving used bags removal of solid rest material possible.
Cleaning chemical	NA

14. REQUIRED TRANSPORT INFORMATION

14.1 Landtransport	The product is a no harm product without need of
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Informations	marking for any landtransport.
14.1 Seatransport Informations	The product is a no harm product without need of marking for any seatransport.

15. REGULATORY INFORMATION

15.1 Classification

Marking as of regulation 829	X _i	irritating
R-Numbers	R 38 R 41	Irritating skin Risk of severe eye damages
S-Numbers	S 2 S 22 S 24 S 25 S 26 S 36 S 37	Not allowed in the hand of kids Avoid inhaling dust Avoid contact with skin Avoid eye contact In case of eye contact rinse thoroughly with water and contact doctor Carry appropriate protective clothes when working Carry appropriate gloves

15.2 National classifications

Notification to working limitations NA

Accidental rules NA

Classification after VbF NA

Technical specification Nr. 3.1.5 air

Wasser damaging classification WGK WGK 1 (limited waterdamaging)

16. FURTHER INFORMATIONS

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