

# Material Safety Data Sheet



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Point 1-16

## 1. IDENTIFICATION OF PRODUCT AND COMPANY

**1.1** Description of Product: Hydraulic / pozzolanic mortar  
Tradename: Contop<sup>®</sup> N 85-4 – N 95-4  
Application: Granolithic topping for industrial floors  
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	4-12%	12168-85-3
Di-Calcium Silicate	2-10%	10034-77-2
Tri-Calcium-Aluminate	1-3%	12042-78-3
Tetra-Calcium-Al-Fe	0-3%	12068-35-8
Calcium Sulfate	1-2%	Verschiedene
Calcium-Oxide	0-4%	1305-78-8
Aluminium Oxide	1-2%	1344-28-1
Cristalline Silica	0-1%	14808-60-7
Magnesium Oxide	0-2%	1309-48-4
Chromate	0-0.0004%	Verschiedene
Amourphous Silica	0,5-3%	7631-86-9
Other Additives	0-1%	32-5016-94
Iron Oxide	0-1%	1309-37-1
Silica sand	25-45%	14808-60-7
Granite or bauxite Aggregates	35-60%	14808-60-7

### 2.2 HAZARDOUS CONTENTS

Portland Cement  
CAS-Nr. 65 997-15-1  
Marking: X<sub>i</sub>

EWG-Nr.  
266-043-4  
Irritant

Content: 15-25%  
R38-41

## 3. HAZARD IDENTIFICATION

**3.1 Hazard marking** X<sub>i</sub> 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	<b>Skin contact</b>	Rinse thoroughly with water and evtl. contact doctor
4.4	<b>Eye Contact</b>	Rinse thoroughly with water and contact doctor (S 26)
4.5	<b>Informations for doctor</b>	NA

## 5. Firefighting measures

5.1	<b>Firefighting products</b>	NA since Product non-combustible
5.2	<b>Hazardous combustion products</b>	NA
5.3	<b>General Hazard of gas or by products</b>	NA
5.4	<b>Special protection equipment</b>	NA

## 6. ACCIDENTAL RELEASE MEASURES

6.1	<b>Personal protection measures</b>	Avoid skin- and eye contact, avoid generating dust, secure adequate amount of fresh air and use respiratory protection mask.
6.2	<b>Invironmental protection</b>	Avoid dry powder and wet mortar to penetrate canals due to blocking risk. The products is uncritical to the invironment.
6.3	<b>Land and water spill</b>	Clean up spilled material
6.4	<b>Additional instructions</b>	Hardens after contact with water after 5 to 8 hours, can be disposed like concrete.

## 7. HANDLING AND STORAGE

7.1	<b>General</b>	Avoid generating dust
	Directions for safe handling	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	<b>Storage</b>	
	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 <sup>3</sup> (E)

Werte nach TRGS 900

### 8.3 Personal protection

<b>Inhaling protection</b>	Dust may cause nose, throat or lung irritation. Use particle filtering mask or Particle Filter P1-P3
<b>Hand protection</b>	Use gloves approved for working with mortar and concrete. As example nitril saturated cotton gloves with CE-Sign.
<b>Eye protection</b>	Wear glasses or safety goggles to prevent contact with eyes. As example Type XZZ 3 oder 4
<b>Body protection</b>	NA
<b>Schutz- und Hygienemaßnahmen</b>	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 <sup>3</sup>	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

<b>10.1 Conditions to avoid</b>	Humidity
<b>10.2 Products to avoid</b>	NA
<b>10.3 Hazardous products</b>	NA
<b>10.4 Further specifications</b>	NA

## 11. TOXICOLOGICAL INFORMATIONS

### 11.1 Toxicological tests

Acute Toxicity NA

Spezifik  
Symptoms NA

Skin irritating behaviour

Sensibilisation	NA
Further specifications	NA
<b>Practical experience</b>	
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

<b>12. ECOLOGICAL INFORMATION</b>	
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

<b>13. DISPOSAL CONSIDERATIONS</b>	
<b>13.1 Product (unused Restamount)</b>	
Recommendation	Dry collected reusable
EWC-Wastekey-Nr.	NA
<b>13.2 Product (after mixing with water, hardened)</b>	
Recommendation	mixed with water treat as hardened concrete
EWC-Wastekey-Nr	170101 Concrete (simplified documentation at more than 5 ton per year and producer
<b>13.3 Uncleaned packings</b>	
recommendations	When receiving used bags removal of solid rest material possible.
Cleaning chemical	NA

**14. REQUIRED TRANSPORT INFORMATION**

**14.1 Landtransport**  
Informations

The product is a no harm product without need of 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<sub>i</sub>

irritating

R-Numbers

R 38

Irritating skin

R 41

Risk of severe eye damages

S-Numbers

S 2

Not allowed in the hand of kids

S 22

Avoid inhaling dust

S 24

Avoid contact with skin

S 25

Avoid eye contact

S 26

In case of eye contact rinse thoroughly with water and contact doctor

S 36

Carry appropriate protective clothes when working

S 37

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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