

According to REACH registration (EF) no. 1907/2006 and no. 453/2010
 Classification and labeling according to Directive (EF) no. 1272/2008 (CLP)

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

1.1. Product identifier
 Product name: 4670 corrosion stop

1.2. Relevant identified uses of the substance or mixture and uses advised against recommended use
 Application: Cement based building products.

1.3. Details of the supplier of the safety data sheet
 Supplier: mira byggeprodukter a/s
 Egegårdsvej 2
 DK- 4621 Gadstrup
 Telephone. + 45 46 19 19 46
 Fax: + 45 46 19 20 21

E-mail: info@mira.eu.com

Date: 11.12.2015 Version: 1.0

1.4. Emergency
 Telephone number: Denmark
 Bispebjerg hospital, Giftlinie 82 12 12 12
 (opened 24 Hours)

SECTION 4: First aid measures

Inhalation: Move to fresh air. Keep at rest. If symptoms persist, call a physician. Show this safety data sheet to the doctor in attendance.

Skin contact: Wash off immediately with soap and plenty of water while removing all contaminated clothes and shoes. If symptoms persist, call a physician. Show this safety data sheet to the doctor in attendance.

Eye contact: Do NOT rub eyes. Rinse immediately with plenty of water. Continue rinsing eyes during transport to hospital. Show this safety data sheet to the doctor in attendance.

Ingestion: Rinse mouth. Drink plenty of water. Do NOT induce vomiting. Risk of product entering the lungs on vomiting after ingestion. If accidentally swallowed obtain immediate medical attention.

4.2. Most important symptoms and effects, both acute and delayed
 Strong irritation in contact with eyes, skin and respiratory system. Cement mixed with water: when mixing with water calcium hydroxide is formed, which is highly irritating and corrosive to skin and eyes. Risk of serious eye damage.

4.3. Indication of immediate medical attention and special treatment needed
 If unconscious, place in recovery position and seek medical advice. Treat symptomatically. Show this safety data sheet to the doctor in attendance.

SECTION 5: Firefighting measures

5.1. Extinguishing media
 The product itself does not burn.

5.2. Special hazards arising from the substance or mixture
 Dangerous when wet: causes burns. Burning produces noxious and toxic fumes.

5.3. Advice for firefighters
 Wear self-contained breathing apparatus and protective suit.


SECTION 2: Hazards identification

2.1. Classification of the substance or mixture
 Product is classified:
 DPD: Xi; R37/38-41
 GHS/CLP: Skin Irrit. 2; H315 – Eye dam. 1; H318 – STOT SE 3; H335

Human health hazards: Dust can irritate throat and respiratory system and cause coughing. Dust or splashes from mixture may cause permanent eye damage. Dust irritating effect on moist skin. Prolonged contact with wet cement mixture may cause burns. Frequent inhalation of dust over a long period increases risk of developing lung diseases.

Environment: Near water, the product hardens to a solid mass, which is not biologically degradable.

2.2. Label elements
 Hazard pictogram



Signal word: Danger

Hazard statements
 H315 Causes skin irritation.
 H318 Causes serious eye damage.
 H335 May cause respiratory irritation.

Precautionary statements
 P102 Keep out of reach of children.
 P261 Avoid breathing dust.
 P280 Wear protective gloves/eye protection/face protection.
 P301/310 IF SWALLOWED: Immediately call a POISON CENTER or doctor/physician.
 P305/351/338 IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.

2.3. Other hazards
 PBT/vPvB Not relevant

SECTION 6: Accidental release measures

6.1. Personal precautions, protective equipment and emergency procedures
 Avoid breathing dust. Avoid contact with skin, eyes and clothing. Use personal protective equipment. Use working methods to prevent dust formation.

6.2. Environmental precautions
 Do not flush into surface water or sanitary sewer system. If the product contaminates rivers and lakes or drains inform respective authorities.

6.3. Methods and materials for containment and cleaning up
 Sweep up and shovel into suitable containers for disposal. Use a suitable vacuum cleaner. Dispose of in accordance with local regulations.

6.4. Reference to other sections
 See above

SECTION 3: Composition/information on ingredients

3.2. Mixtures
 Contains cement and quartz sand (<0,1% respirable quartz). Naturally low chromium (VI) content, max.2 mg/kg limiting value is kept.

%	CAS-no.	EF-no.	REACH Reg. No.	Chemical name	Classification
30-60	65997-15-1	266-043-4	-	Portlandcement	Xi; R37/38-41
10-60	14808-60-7	238-878-4	-	Quartz	-

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10-60	1408-60-7	238-878-4	-	Quartz	-

Full text of R-phrases and H-statements mentioned in this section, see section 16.

SECTION 7: Handling and storage

7.1. Precautions for safe handling
 Avoid dust formation. Do not get in eyes or on skin. In case of contact, immediately flush skin with plenty of water.

Technical measures: Handle in accordance with good industrial hygiene and safety practice to minimize dust and follow safety precautions as mentioned as code numbers.

Use only in area provided with appropriate exhaust ventilation with access to eyewash facilities.

7.2. Conditions for safe storage, including any incompatibilities
 Keep tightly closed in a dry, cool and well-ventilated place. Containers, which are opened, must be carefully resealed and kept upright to prevent leakage.

7.3. Specific end use(s)
 Not relevant

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SECTION 8: Exposure controls/personal protection				
8.1. Control parameters				
The following notifiable ingredients have a threshold according to limit values for substances no.1134/2011				
CAS-no.	Chemical name	Limit values	Anm	Ref
-	Mineral dust respirable	5 mg/m ³	-	AT
-	Mineral dust inert	10 mg/m ³	-	AT
Compliance with limit may be checked by occupational hygiene measurements.				
8.2. Exposure controls				
Technical precautions	Provide adequate ventilation. Avoid exceeding of the given occupational exposure limits to minimize risk of dust exposure.			
Personal precautions:	Use personal protective equipment in accordance with current standards.			
Respiratory protection:	Respirator must be worn if exposed to dust. Respirator with a particle filter P2.			
Skin:	Protective gloves Neoprene, vinyl.			
Eye:	Use tight fitting goggles.			
Skin protection:	Hygiene measures: Remove contaminated clothing and wash skin thoroughly with soap and water after work.			
Environmental exposure controls:	No information available.			

SECTION 9: Physical and chemical properties	
9.1. Important Health Safety and Environmental Information	
Appearance:	Powder, cream white
pH:	11-13 in water (20°C)
Relative density:	1450 kg/m ³
Water solubility:	Miscible with water
9.2. Other information	
Not relevant	

SECTION 10: Stability and reactivity	
10.1. Reactivity	
Stable under normal conditions.	
10.2. Chemical stability	
Stable under recommended storage conditions.	
10.3. Possibility of hazardous reactions	
None known.	
10.4. Conditions to avoid	
None known	
10.5. Incompatible materials	
Aluminum powder, alkali and alkaline earth metals react with water mortar of concrete and form hydrogen. Product reacts violently with evolution of heat when mixed with acids.	
10.6. Hazardous decomposition products	
No information available.	

SECTION 11: Toxicological information	
11.1. Information on toxicological effects	
Aspiration hazard:	Dust can irritate the respiratory system and cause throat irritation and coughing.
Skin contact:	Dust irritating effect on moist skin. Prolonged contact with mixture may cause corrosion.
Eye contact:	Dust or splashes from mixture may cause permanent eye damage.
Ingestion:	Ingestion may cause severe irritation of the mouth, esophagus and intestinal canal.
Long term effects:	Frequent inhalation of dust over a long period increases risk of developing lung diseases.

SECTION 12: Ecological information	
12.1. Toxicity	
Environmental hazard is considered limited.	
12.2. Persists and degradability	
This product consists predominantly of organic compounds, which are not biologically degradable. No information available regarding degradability of its other components.	
12.3. Bioaccumulative potential	
No information available.	
12.4. Mobility in soil	
No information available.	
12.5. Result of PBT- and vPvB-assessment	
Not relevant	
12.6. Other adverse effects	
None known.	

SECTION 13: Disposal considerations	
13.1. Waste treatment methods	
Waste must be disposed in accordance with local authority requirements. Waste is classified as hazardous waste. Note that fully cured material is not considered hazardous waste.	
Waste Code	EAK: 17 09 03 EAK: 17 09 04 (for cured material)

SECTION 14: Transport information	
Not classified as dangerous in the meaning of transport regulations.	
14.1. UN-no.	
Not relevant.	
14.2. UN- proper shipping name)	
Not relevant.	
14.3. Transport hazard class (es)	
Not relevant.	
14.4. Packing group	
Not relevant.	
14.5. Environmental hazards	
Not relevant.	
14.6. Special precautions for users	
Not relevant.	
14.7. Transport in bulk according to Annex II in MARPOL 73/78 and IBC-code	
Not relevant.	

SECTION 15: Regulatory information	
15.1. Safety, health and environmental regulations/legislation specific for the substance or mixture	
Regulation (EC) no. 1907/2006(REACH)	
Regulation (EC) no. 1272/2008(CLP)	
Regulation (EC) no. 453/2010	
EMICODE® EC 1 ^{plus} very low emission	
15.2. Chemical safety assessment	
None CSA.	

SECTION 16: Other information	
Provide adequate information, instruction and training for operators. Refer to attached safety data sheets and /or instruction for use.	
Description of H-phrases confer SECTION 2 and 3:	
R37/38	Irritating to respiratory system and skin
R41	Risk of serious eye damage
H315	Causes skin irritation
H318	Causes serious eye damage
H335	May irritate respiratory system.
Information in this safety data sheet is based on information in our possession at the date of preparation and is reliable provided that the product is used under the prescribed conditions and in accordance with application specified on the packaging or in technical literature. Any other use of the product in combination with any other product or process is the user's responsibility.	