



## Material Safety Data Sheet

Completed 18-02-2022  
Revision: (date) -  
SDS version 1.0

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

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#### 1.1. Product Identifier

Trade Name: Marine 900 SL  
Product- no.: 1000598; 1000592  
UFI: Blok og Elementlim: NWAX-F087-X00K-9WFS

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

##### **Recommended uses:**

Binder for natural and artificially produced aggregates in the form of sand, gravel and stone in the manufacture of mortar, plaster and concrete. The products have undergone an anti-chromium eczema process. It ensures that the EU's required maximum value for soluble chromium (VI) in cement of 2 mg / kg in min. 2 months under normal and dry storage conditions are observed. The shelf life is calculated from the delivery date for loose cement and from the packing date for packed cement. For packed cement, the shelf life is extended by 10 months to a total of 12 months, if the foil around the pallet is unbroken.

The white cements do not contain water-soluble chromium 6+ and are therefore chromium-neutral, as no chromium-containing raw materials are used for the production. This complies with EU requirements for a maximum value of 2 mg / kg readable chromium (VI) in cement under normal and dry storage conditions without time limit.

##### **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:**

Marlon Tørmørtel A/S  
Virkelyst 20  
DK-8740 Brædstrup  
Denmark  
+45 7575 4300  
www.marlon.dk

##### **Contact person and E-mail:**

marlon@marlon.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".

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### SECTION 2: Hazards identification

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#### 2.1. Classification of the substance or mixture

CLP (1272/2008):  
Skin Irrit. 2;H315  
Eye Dam. 1;H318  
STOT SE 3;H335

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)  
May cause respiratory irritation. (H335)

Avoid breathing dust. (P261)  
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)

### 2.3. Other hazards

Frequent inhalation of dust over a long period of time increases the risk of developing lung diseases.

The product contains chromate reducing agent. As a result, the soluble chromium (VI) content is less than 2 ppm. If the storage conditions are not suitable or the storage period is exceeded, the effectiveness of the reducing agent may be reduced and the cement may become skin sensitive (H317)

**Additional labelling:**

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**Additional warnings**

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## 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	-	30-70	-
Portland cement	- / -	65997-15-1	266-043-4	Skin Irrit. 2;H315, Skin Sens. 1;H317, Eye Dam. 1;H318, STOT SE 3;H335	<5	-

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.  
Seek medical advice in case of discomfort.

**Ingestion:**

Wash out mouth thoroughly and drink 1-2 glasses of water in small sips.  
Do not induce vomiting.  
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.

**Additional information:**

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



## Material Safety Data Sheet

### 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.

May cause respiratory irritation.

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

Show this safety data sheet to the doctor in attendance.

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## SECTION 5: Firefighting measures

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### 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.

### 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.

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## SECTION 6: Accidental release measures

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### 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.

### 6.4. Reference to other sections

See section 8 for type of protective equipment.

See section 13 for instructions on disposal.

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## SECTION 7: Handling and storage

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### 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.

Running water and eye wash equipment must be available.

### 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.

Store in a dry area.

### 7.3. Specific end use(s)

See application section 1.

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## SECTION 8: Exposure controls/personal protection

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### 8.1. Control parameters

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

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### DNEL/PNEC-values:

No data.

### 8.2. Exposure controls

There are no exposure scenarios for this product.

## Material Safety Data Sheet

### Appropriate engineering controls:

Wear the personal protective equipment specified below.  
Do not eat, drink or smoke when using this product.  
Wash hands after use.

### Personal protective equipment:



### Respiratory protection:

Generally not required.  
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:

Generally not required.

### Environmental exposure controls:

Ensure compliance with local regulations for emissions.

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## SECTION 9: Physical and chemical properties

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### 9.1. Information on basic physical and chemical properties

Physical state:	Powder
Colour:	Indtast fritekst
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:	-
Kinematic viscosity (mm <sup>2</sup> /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.

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## SECTION 10: Stability and reactivity

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### 10.1. Reactivity

The content of chrome reducing agents will decrease with time.

### 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

Avoid contact with moisture and water.

### 10.5. Incompatible materials

None known.

## Material Safety Data Sheet

### 10.6. Hazardous decomposition products

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

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## SECTION 11: Toxicological information

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### 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
No data.	-	-	-	-

**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.

**Carcinogenicity:**

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

**Reproductive toxicity:**

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

**STOT-single exposure:**

Inhalation may cause irritation to the upper airways.

**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.

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## SECTION 12: Ecological information

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### 12.1. Toxicity

Substance	Test duration	Species	Test	Result
No data.	-	-	-	-

### 12.2. Persistence and degradability

Substance	Biodegradability	Test	Result
No data.	-	-	-

### 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.



## Material Safety Data Sheet

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### SECTION 13: Disposal considerations

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#### 13.1. Waste treatment methods

The product is covered by the regulations on dangerous waste.

Collect spills and waste in closed, leak-proof containers for disposal at the local hazardous waste site.

EWC-Code	Description
10 13 06	Particulates and dust (except 10 13 12 and 10 13 13)
15 01 01	Paper and cardboard packaging

**Specific labelling:**

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**Contaminated packaging:**

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### SECTION 14: Transport information

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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/IATA

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#### 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.

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### SECTION 15: Regulatory information

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#### 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:**

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**Restrictions for application:**

Only for use in the period when the water-soluble chromate level is below 2 mg/kg dry cement.

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.

**Demands for specific education:**

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#### 15.2. Chemical safety assessment

None.

## Material Safety Data Sheet

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### SECTION 16: Other information

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

**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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STOT SE 3;H335	Calculation method
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**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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