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

1.1. Product identifier

Name of product Robust Ildfast Mortel

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

No information available.

1.3. Details of the supplier of the safety data sheet

Manufacturer/distributor

Steinhardt AS
Postboks 8627 Ranheim, NO-7052 Trondheim
Phone (+47) 90 77 3100

1.4. Emergency telephone number

Emergency advice

https://helsenorge.no/Giftinformasjon
Phone (+47) 22591300

SECTION 2: Hazards identification

2.1. Classification of the substance or mixture

Classification according to Regulation (EC) No 1272/2008 [CLP/GHS]

Hazard classes and Hazard categories	Hazard Statements	Classification procedure
Skin Irrit. 2	**H315**	
Eye Dam. 1	**H318**	

No information available.

2.2. Label elements

Labelling according to Regulation (EC) No 1272/2008 [CLP/GHS]

GHS05

Signal word

Danger

Hazard statements for health hazards

H315	**Causes skin irritation.**
H318	**Causes serious eye damage.**

Precautionary Statements

Prevention

P260	Do not breathe dust
P280	Wear protective gloves/protective clothing/eye protection/face protection.

Response

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.
P313	Get medical advice/attention.
P333 + P313	If skin irritation or rash occurs: Get medical advice/attention.

Hazardous ingredients for labeling
Portland cement

Special rules for supplemental label elements for certain mixtures
Contains chromium (VI). May produce an allergic reaction.

2.3. Other hazards
Information pertaining to special dangers for human and environment
Danger of the lung impairment with long-term exposition of mineral fine types of dust

SECTION 3: Composition/ information on ingredients

3.1. Substances
not applicable

3.2. Mixtures
Description
Preparation for fireproof applications

Hazardous ingredients

CAS No	EC No	Name	[% weight]	Classification according to Regulation (EC) No 1272/2008 [CLP/ GHS]
65997-15-1	266-043-4	Portland cement	< 20	Skin Irrit. 2, H315 / Eye Dam. 1, H318 / STOT SE 3, H335

Additional advice
less than 1% crystalline silica (respirable form of RCS)

SECTION 4: First aid measures

4.1. Description of first aid measures
General information
Take affected person into fresh air.

In case of inhalation
In the event of symptoms refer for medical treatment.

In case of skin contact
In case of contact with skin wash off with water.

In case of eye contact
In case of contact with eyes rinse with plenty of water carefully. In the event of persistent symptoms seek medical treatment.

4.2. Most important symptoms and effects, both acute and delayed
No information available.

4.3. Indication of any immediate medical attention and special treatment needed
No information available.

SECTION 5: Firefighting measures

5.1. Extinguishing media
Suitable extinguishing media
Fire-extinguishing activities according to surrounding.

Unsuitable extinguishing media
does not admit

5.2. Special hazards arising from the substance or mixture
not well-known

5.3. Advice for firefighters
No information available.

SECTION 6: Accidental release measures

6.1. Personal precautions, protective equipment and emergency procedures
For non-emergency personnel
Avoid contact with eyes and skin
Avoid dust formation.

6.2. Environmental precautions
Do not discharge into the drains or bodies of water..

6.3. Methods and material for containment and cleaning up
Take up mechanically.

Additional Information
Informations for personal protective equipment see chapter 8.

6.4. Reference to other sections
No information available.

SECTION 7: Handling and storage

7.1. Precautions for safe handling
Advice on safe handling
Avoid the formation and deposition of dust.
Care for thoroughly room ventilation, if necessary use in well ventilated area with local exhaust ventilation at workplace.

General protective measures
Do not inhale dust.

Hygiene measures
After work wash thoroughly.

Advice on protection against fire and explosion
No special measures necessary.

7.2. Conditions for safe storage, including any incompatibilities
Requirements for storage rooms and vessels
Keep in closed original container.

Further information on storage conditions
Protect from frost.
Store in a dry place.

7.3. Specific end use(s)
Recommendation(s) for intended use
preparation for fireproof applications

SECTION 8: Exposure controls/personal protection

8.1. Control parameters

8.2. Exposure controls
Respiratory protection
Particle-filtering half mask, filter P2

Hand protection
Protective gloves

Eye protection
safety goggles

Other protection measures
protective clothing

Appropriate engineering controls
Air exhaust during dust formation during mechanical or manual treatment

SECTION 9: Physical and chemical properties

9.1. Information on basic physical and chemical properties

Appearance	**Colour**	**Odour**
granules	grey	odourless

Odour threshold
not determined

Important health, safety and environmental information

	Value	Temperature	at	Method	Remark
pH value	not determined				
Boiling temperature / boiling range	not determined				
melting range	1050 - 1200 °C				
Flash point	not determined				
Vapourisation rate	not determined				

	Value	Temperature	at	Method	Remark
Flammable (solid)	not determined				
Flammability (gas)	not determined				
Ignition temperature	not determined				
Self ignition temperature	not determined				
Lower explosion limit	not determined				
Upper explosion limit	not determined				
Vapour pressure	not determined				
Relative density	not determined				
Vapour density	not determined				
Solubility in water	not determined				
Solubility/other	not determined				
Partition coefficient n-octanol/water (log P O/W)	not determined				
Decomposition temperature	not determined				
Viscosity	not determined				

Oxidising properties
No information available.

Explosive properties
No information available.

9.2. Other information
No information available.

SECTION 10: Stability and reactivity

10.1. Reactivity
No information available.

10.2. Chemical stability
No information available.

10.3. Possibility of hazardous reactions
No information available.

10.4. Conditions to avoid
After mixing with water the pH-value changes, but after setting no irritation

10.5. Incompatible materials
Substances to avoid
not well-known

10.6. Hazardous decomposition products
No hazardous decomposition products known.

Additional information
stably on normal application conditions

SECTION 11: Toxicological information

11.1. Information on toxicological effects
Additional information
Mixture not tested.

SECTION 12: Ecological information

12.1. Toxicity
No information available.

12.2. Persistence and degradability
No information available.

12.3. Bioaccumulative potential
No information available.

12.4. Mobility in soil
No information available.

12.5. Results of PBT and vPvB assessment
No information available.

12.6. Other adverse effects
General regulation
Do not allow uncontrolled leakage of product into the environment.

SECTION 13: Disposal considerations

13.1. Waste treatment methods
Recommendations for the product
Remove in accordance with local official regulations.

Recommendations for packaging
Packaging that cannot be cleaned should be disposed of like the product.

SECTION 14: Transport information

	ADR/RID	IMDG	IATA-DGR
14.1. UN number	-	-	-
14.2. UN proper shipping name	Refractory Product	Feuerfest - Masse	Refractory Product
14.3. Transport hazard class(es)	-	-	-
14.4. Packing group	-	-	-
14.5. Environmental hazards	No	No	No

14.6. Special precautions for user
No information available.

14.7. Transport in bulk according to Annex II of MARPOL 73/78 and the IBC Code
No information available.

Land and inland navigation transport ADR/RID
No dangerous goods as defined by these transport regulations.

SECTION 15: Regulatory information

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

National regulations

Water hazard class 1 Mixture-WGK

15.2. Chemical Safety Assessment
not applicable

SECTION 16: Other information

Recommended uses and restrictions
Refer to product data-sheet

Further information
The product was not examined. The statements are derived from the characteristics of the individual components.
These informations are based on our present knowledge of the product.
They are given in good faith
Existing laws and regulations have to be observed by the customer in own responsibility

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