

## SAFETY DATA SHEET



## Hey'di Fin Gammel Murmaling



The safety data sheet is in accordance with Commission Regulation (EU) 2020/878 of 18 June 2020 amending Regulation (EC) No 1907/2006 of the European Parliament and of the Council on the Registration, Evaluation, Authorisation and Restriction of Chemicals (REACH)

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

Date issued	03.02.2012
Revision date	28.12.2021

### 1.1. Product identifier

Product name	Hey'di Fin Gammel Murmaling
Article no.	394,391,395
GTIN No.	7054150003940, 7054150003919, 7054150003957

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

Function	Description: Lime-based paint with marble flow as a filter for masonry and concrete.
Use categories nordic (UCN).	U05400
Use of the substance / mixture	Rainproof and diffusion open paint for surface treatment for masonry and concrete.
Relevant identified uses	<p>SU10 Formulation [mixing] of preparations and/or re-packaging (excluding alloys)</p> <p>SU21 Consumer uses: Private households (= general public = consumers)</p> <p>SU22 Professional uses: publicly accessible (administration, education, entertainment, services, craftsmen)</p> <p>PC9 Coatings and Paints, Fillers, Putties, Thinners</p> <p>PROC3 Use in closed batch process (synthesis or formulation)</p> <p>PROC9 Transfer of substance or preparation into small containers (dedicated filling line, including weighing)</p> <p>PROC10 Roller application or brushing</p> <p>PROC19 Manual activities involving hand contact.</p> <p>ERC2 Formulation of preparations</p> <p>ERC8C Wide dispersive indoor use resulting in inclusion into or onto a matrix</p> <p>ERC8F Wide dispersive outdoor use resulting in inclusion into or onto a matrix</p>
Uses advised against	Do not apply Hey'di Fin Gammel Murmaling as plaster on warm masonry in direct sunlight.
Standard industrial classification (NACE)	23.650

### 1.3. Details of the supplier of the safety data sheet

#### Downstream user

Company name	HeyDi AS
Office address	Tretjerdalsvegen 68
Postcode	N-2016
City	Frogner
Country	Norway
Telephone number	+47 63868800
Email	<a href="mailto:heydi@heydi.no">heydi@heydi.no</a>
Website	<a href="http://www.heydi.no">www.heydi.no</a>
Enterprise No.	979657919
Contact person	Alan Ulstad

### 1.4. Emergency telephone number

Emergency telephone	Telephone number: +47 22 59 13 00 Description: The National Poisons Information Centre
---------------------	---

## SECTION 2: Hazards identification

### 2.1. Classification of the substance or mixture

Classification according to Regulation (EC) No 1272/2008 [CLP / GHS]	Eye Dam. 1; H318 Skin Irrit. 2; H315 STOT SE 3; H335
Substance / mixture hazardous properties	The product contains lime which, mixed with water, can be corrosive to skin and eyes.

### 2.2. Label elements

#### Hazard pictograms (CLP)



Composition on the label	Natural hydraulic lime 10 - 20 %, Calcium dihydroxide 10 - 20 %
Signal word	Danger
Hazard statements	H318 Causes serious eye damage. H315 Causes skin irritation. H335 May cause respiratory irritation.
Precautionary statements	P102 Keep out of reach of children. P261 Avoid breathing dust. P280 Wear protective gloves / protective clothing / eye protection / face protection.

	<p>P305+P351+P338 IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.</p> <p>P313 Get medical advice / attention.</p> <p>P302+P352 IF ON SKIN: Wash with plenty of soap and water.</p> <p>P501 Dispose of contents / container to licensed waste disposal site in accordance with local Waste Disposal Authority.</p>
Tactile warnings	No
Child-protection	No

## 2.3. Other hazards

PBT / vPvB	This product does not contain any PBT or vPvB substances.
Health effect	Dust or splashes from the mixture may cause permanent eye damage. Dust may irritate throat and respiratory system and cause coughing.
Environmental effects	The product is not classified as environmentally harmful. Spills and contamination should be avoided.

## SECTION 3: Composition / information on ingredients

### 3.2. Mixtures

Substance	Identification	Classification	Contents	Notes
Natural hydraulic lime	CAS No.: 85117-09-5 EC No.: 285-561-1 REACH Reg. No.: 01-2119475523-36	STOT SE 3; H335 Eye Dam. 1; H318 Skin Irrit. 2; H315	10 - 20 %	
Calcium dihydroxide	CAS No.: 1305-62-0 EC No.: 215-137-3 REACH Reg. No.: 01-21194775151-45	Eye Dam. 1; H318 Skin Irrit. 2; H315 STOT SE 3; H335 Note : E	10 - 20 %	
Description of the mixture	The Safety Data Sheet indicates the products characteristics in dry condition. The product contains lime which, mixed with water, can be corrosive to skin and eyes.			
Substance comments	The full text for all hazard statements is displayed in section 16.			

## SECTION 4: First aid measures

### 4.1. Description of first aid measures

General	Remove affected person from source of contamination. Contaminated clothing should be removed immediately. Get medical attention if any discomfort continues.
Inhalation	Move the exposed person to fresh air at once. Ensure free airways, seek medical attention if irritation persists.
Skin contact	Remove contaminated clothing. Wash the skin immediately with soap and water. Promptly wash contaminated skin with water. Promptly remove clothing if soaked through and wash the skin with water.
Eye contact	Important! Immediately rinse with water for at least 15 minutes. Promptly wash eyes with plenty of water while lifting the eye lids. Immediately transport to hospital or eye specialist. Continue flushing during transport to hospital.

Ingestion	When small amounts (a mouthful or less): Rinse mouth with water. Drink water or milk. Contact your doctor for evaluation. For larger quantities than described above: Rinse mouth with water. Drink water or milk. Seek immediate medical attention.
-----------	---

## 4.2. Most important symptoms and effects, both acute and delayed

Acute symptoms and effects	Irritating to eyes and skin Causes serious eye damage.
Delayed symptoms and effects	Fine grained products may itch and cause discomfort and minor dehydration.

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

Medical treatment	Symptomatic treatment.
Information on clinical testing	Not known.
Medical monitoring for delayed effects	The product contains lime which, mixed with water, can be corrosive to skin and eyes. Skylt straks tilsølt hud med vann. Fjern straks gjennomfuktede klær og vask huden med vann.
Other information	When in doubt, or when symptoms persist - seek medical help. General health check.

## SECTION 5: Firefighting measures

### 5.1. Extinguishing media

Suitable extinguishing media	Choose in relation to the surrounding fire.
Improper extinguishing media	Water.

### 5.2. Special hazards arising from the substance or mixture

Fire and explosion hazards	Not relevant.
Hazardous combustion products	Not relevant.

### 5.3. Advice for firefighters

Personal protective equipment	Use the specified safety equipment. See section 8.
Fire fighting procedures	Use extinguishing measures appropriate to local circumstances and the surrounding environment.
Special protective equipment for firefighters	Firefighters should use adequate protection.
Other information	Move container from fire area if possible without risk.

## SECTION 6: Accidental release measures

### 6.1. Personal precautions, protective equipment and emergency procedures

General measures	Use personal protective equipment as specified in section 8.
Personal protection measures	Avoid contact with skin and eyes. Use the specified protective equipment. See section 8.
Protective equipment	See section 8.

Emergency procedures	Not relevant.
For emergency responders	Use the specified safety equipment. See section 8.

## 6.2. Environmental precautions

Environmental precautionary measures	Collect and dispose of spillage as indicated in section 13.
--------------------------------------	---

## 6.3. Methods and material for containment and cleaning up

Clean up	Larger quantities should be collected and delivered to a licensed waste operator. Small amounts should be taken up mechanically, avoiding dust formation. Product residues should be delivered to a hazardous waste disposal site.
----------	--

## 6.4. Reference to other sections

Other instructions	See section 1 for emergency contact information. See section 8 for information on appropriate personal equipment. See section 13 for waste disposal.
--------------------	--

# SECTION 7: Handling and storage

## 7.1. Precautions for safe handling

Handling	Follow instructions and ensure correct dilution of this product before use. Avoid generating excess dust.
----------	---

## Protective safety measures

Safety measures to prevent fire	No specific measures necessary.
Preventitive measures to protect the environment	Avoid dust formation.
Advice on general occupational hygiene	First-aid equipment, including eye wash bottle, must be available at the work site. Provide easy access to water supply and eye wash facilities. Good personal hygiene is necessary. Wash hands and contaminated areas with water and soap before leaving the work site.

## 7.2. Conditions for safe storage, including any incompatibilities

Storage	Store in dry, sealed container.
Conditions to avoid	Avoid contact with acids. Avoid contact with moisture and influence of weather. Do not use aluminium for transport or storage if there is a risk of contact with water.

## Conditions for safe storage

Technical measures and storage conditions	No specific measures or conditions indicated.
Packaging compatibilities	Store in tightly sealed original packaging.
Requirements for storage rooms and vessels	Store in a dry place. Store in a closed container.
Advice on storage compatibility	No specific advice on storage is indicated.

Storage stability	Best performance within 2 years of production date.
-------------------	---

### 7.3. Specific end use(s)

Recommendations	Read the description in the technical datasheet about surface treatment before use.
Specific use(s)	Surface treatment of lime-based substrates, masonry and concrete.

## SECTION 8: Exposure controls / personal protection

### 8.1. Control parameters

Substance	Identification	Exposure limits	TWA Year
Calcium dihydroxide	CAS No.: 1305-62-0	Limit value (8 h) : 1 mg/m <sup>3</sup> Country of origin: Norge	TWA Year: 2018
Inhalable dust, total dust		Limit value (8 h) : 10 mg/m <sup>3</sup>	TWA Year: 2010
Inhalable dust, respirable dust		Limit value (8 h) : 5 mg/m <sup>3</sup>	TWA Year: 2010

### DNEL / PNEC

Substance	Calcium dihydroxide
PNEC	<b>Route of exposure:</b> Water <b>Value:</b> 490 µg/l  <b>Route of exposure:</b> Sediment <b>Value:</b> 1080 mg/l

### 8.2. Exposure controls

#### Safety signs



### Precautionary measures to prevent exposure

Appropriate engineering controls	Observe occupational exposure limits and minimise the risk of inhalation of dust.
Instruction on measures to prevent exposure	The usual precautions for handling chemicals should be followed. Ensure that eyewash stations are close to the workstation location.
Technical measures to prevent exposure	Provide adequate general and local exhaust ventilation.

### Eye / face protection

Suitable eye protection	Wear tight-fitting goggles or face shield.
Eye protection equipment	Description: If risk of splashing, wear safety goggles or face shield. Use dustproof safety goggles at risk of dust formation. Reference to relevant standard: EN 166
Eye protection, comments	Contact lenses should not be worn when working with this chemical!

## Hand protection

Skin- / hand protection, short term contact	< 8 h Neoprene, nitrile, polyethylene or PVC.
Skin- / hand protection, long term contact	> 8 h Neoprene, nitrile, polyethylene or PVC.
Suitable materials	Neoprene, nitrile, polyethylene or PVC.
Breakthrough time	Value: > 480 minute(s) Comments: Moist material. Breakthrough time for the given glove material.
Hand protection equipment	Description: Neoprene, nitrile, polyethylene or PVC. Reference to relevant standard: EN 374
Hand protection, comments	Prolonged or repeated skin contact may cause drying of the skin and risk of cracking.

## Skin protection

Suitable protective clothing	Use suitable protective clothing.
Unsuitable protective clothing	No recommendation given.
Protective clothing necessary properties	Overall suit shall be used where the work involves smudging to such an extent that ordinary working clothes do not protect the skin against contact with the product.
Recommended protective clothing	Description: In case of direct contact or splash, wear protective clothing. Reference to relevant standard: ISO 13688
Additional skin protection measures	It is recommended that you wash or shower and then apply moisturizer to the exposed skin.

## Respiratory protection

Tasks needing respiratory protection	Wear a dust mask class P2 for work in dusty areas.
Recommended type of equipment	Dust Mask. Dust mask with filter P2.
Recommended respiratory protection	Mask type: Dust mask. Filter apparatus type: Filter P2 (for fine dust). Reference to relevant standard: EN 143
Additional respiratory protection measures	Provide sufficient ventilation for operations causing dust formation.

## Thermal hazards

Thermal hazards	Not relevant.
-----------------	---------------

## Hygiene / environmental

Personal protection equipment, comments	No recommendation given.
Specific hygiene measures	Use appropriate skin cream to prevent drying of skin. Wash at the end of each work shift and before eating, smoking and using the toilet.

## Appropriate environmental exposure control

Environmental exposure controls	The product must not be discharged directly into drains or waterways without treatment.
---------------------------------	---

### Appropriate environmental exposure control

Safety measures for consumer use of the chemical	Use the specified safety equipment. See section 8. Follow the label instructions.
Exposure controls and personal protection, additional information	All protection should be CE marked. Contaminated clothes should be laundered before reuse.
Exposure controls, comments	Wash hands before breaks, lavatory and before leaving the work site.

## SECTION 9: Physical and chemical properties

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

Physical state	Powder.
Colour	Misc. colours.
Odour	Odourless.
pH	Status: In aqueous solution Value: ~ 12,5 Comments: Miscible with water.
Melting point / melting range	Comments: Not relevant.
Boiling point / boiling range	Comments: Not relevant.
Flash point	Comments: Not relevant.
Evaporation rate	Comments: Not relevant.
Explosion limit	Comments: Not relevant.
Vapour pressure	Comments: Not relevant.
Density	Value: ~ 1040 kg/m <sup>3</sup>
Solubility	Comments: Miscible with water.
Auto-ignition temperature	Comments: Not relevant.
Decomposition temperature	Comments: Not relevant.
Viscosity	Comments: Not relevant.
Explosive properties	No explosive properties.
Oxidising properties	No oxidizing properties.

### 9.2. Other information

#### Physical hazards

Solvent content	Comments: Not relevant.
Particle size	Value: 70 µm

#### 9.2.2. Other safety characteristics

Miscibility	Miscible with water.
-------------	----------------------



Conductivity	Comments: Not relevant.
--------------	-------------------------

## SECTION 10: Stability and reactivity

### 10.1. Reactivity

Reactivity	No hazardous reactions if regulations/notes for storage and handling are observed.
------------	--

### 10.2. Chemical stability

Stability	Stable under recommended storage conditions - see Section 7.
-----------	--

### 10.3. Possibility of hazardous reactions

Possibility of hazardous reactions	Stable under recommended storage conditions - see Section 7.
------------------------------------	--

### 10.4. Conditions to avoid

Conditions to avoid	Minimize contact with moisture to prevent degradation.
---------------------	--

### 10.5. Incompatible materials

Materials to avoid	Strong acids.
--------------------	---------------

### 10.6. Hazardous decomposition products

## SECTION 11: Toxicological information

### 11.1. Information on hazard classes as defined in Regulation (EC) No 1272/2008

Substance	Calcium dihydroxide
Acute toxicity	<b>Type of toxicity:</b> Acute <b>Effect tested:</b> LD50 <b>Route of exposure:</b> Oral <b>Method:</b> OECD 425 <b>Value:</b> > 2000 mg/kg <b>Animal test species:</b> Rat  <b>Type of toxicity:</b> Acute <b>Effect tested:</b> LD50 <b>Route of exposure:</b> Dermal <b>Method:</b> OECD 402 <b>Value:</b> > 2500 mg/kg <b>Animal test species:</b> Rabbit

### Other information regarding health hazards

Toxicokinetics	Not known.
Skin corrosion / irritation, human experience	The product contains lime which, mixed with water, can be corrosive to skin and eyes.
Assessment of skin corrosion / irritation, classification	Dust can irritate the skin. Moist / wet material can be corrosive to skin and mucous membranes. Repeated or prolonged contact may cause skin dryness or

cracking.	
Eye damage or irritation other information	Dust or splashes from the mixture may cause permanent eye damage. Immediate first aid is necessary.
General respiratory or skin sensitisation	Inhalation of dust may cause irritation of the respiratory tract.
Skin contact	The symptoms are redness, swelling, blistering and ulceration and usually develops slowly.
Eye contact	Risk of serious eye damage
Ingestion	Not relevant.
Sensitisation	No basis for classification as a sensitizer.
Mutagenicity	Not relevant.
Carcinogenicity, other information	Not relevant.
Carcinogenicity human experience	Not relevant.
Reproductive toxicity	Not relevant.
Reproductive toxicity, human experience	Not relevant.
Assessment of reproductive toxicity, classification	Not relevant.
Comparison of CMR categories	The substance does not meet the criteria for classification in terms of CMR properties under CLP.

## Symptoms of exposure

In case of ingestion	Not relevant.
In case of skin contact	Symptoms include redness, swelling, blisters and ulceration and are usually developed slowly.
In case of inhalation	Inhalation of dust may cause irritation to the upper respiratory tract.
In case of eye contact	Dust or splashes from the mixture may cause permanent eye damage. Immediate first aid is necessary.

## 11.2 Other information

# SECTION 12: Ecological information

## 12.1. Toxicity

Substance	Calcium dihydroxide
Aquatic toxicity, fish	<b>Toxicity type:</b> Acute <b>Value:</b> 50,6 mg/l <b>Exposure time:</b> 96 hour(s) <b>Species:</b> Freshwater Fish.  <b>Toxicity type:</b> Acute <b>Value:</b> 457 mg/l <b>Effect dose concentration:</b> LD50 <b>Exposure time:</b> 96 hour(s)

	<b>Species:</b> Saltwater Fish.
Substance	Calcium dihydroxide
Aquatic toxicity, algae	<b>Toxicity type:</b> Acute <b>Value:</b> 184,57 mg/l <b>Effect dose concentration:</b> EC50 <b>Test duration:</b> 72 hour(s) <b>Species:</b> Freshwater algae.  <b>Value:</b> 48 mg/l <b>Effect dose concentration:</b> NOEC <b>Exposure time:</b> 72 hour(s)

## 12.2. Persistence and degradability

Persistence and degradability description/evaluation	This product does not contain any PBT or vPvB substances.
Biodegradability	Comments: The product is not biodegradable.
Chemical oxygen demand (COD)	Comments: Not known.
Biological oxygen demand (BOD)	Comments: Not known.

## 12.3. Bioaccumulative potential

## 12.4. Mobility in soil

Mobility	Not considered mobile.
Surface tension	Comments: Not known.

## 12.5. Results of PBT and vPvB assessment

## 12.6. Endocrine disrupting properties

## 12.7. Other adverse effects

# SECTION 13: Disposal considerations

## 13.1. Waste treatment methods

EWC waste code	EWC waste code: 160303 inorganic wastes containing dangerous substances Classified as hazardous waste: Yes
EWL packing	EWC waste code: 150102 plastic packaging Classified as hazardous waste: No
National regulations	Waste regulations 2019 (EU Exit). Guidelines (Norsas) on collection and declaration of hazardous waste (2015).
NORSAS	7132
Other information	Empty and cleaned packaging can be recycled.

# SECTION 14: Transport information

Dangerous goods	No
-----------------	----

**14.1. UN number****14.2. UN proper shipping name****14.3. Transport hazard class(es)****14.4. Packing group****14.5. Environmental hazards****14.6. Special precautions for user****14.7. Maritime transport in bulk according to IMO instruments****SECTION 15: Regulatory information****15.1. Safety, health and environmental regulations / legislation specific for the substance or mixture**

Assessed restrictions	By assessment no identified restrictions.
Restriction of chemicals according to Annex XVII (REACH)	No restrictions identified.
Other labelling requirements	No other labeling requirements.
Other label information	Not relevant.
EU occupational restrictions	No restrictions identified.
Biocides	No
Nanomaterial	No
References (laws/regulations)	Commission Regulation (EU) No. 878/2020 with amendments. List of substances included in Annex XIV of REACH ("Authorisation List"). Biocidal Products Regulation ((EU) No 528/2012 (BPR)). Regulation (EC) No 1907/2006 (REACH). Transport of dangerous goods: ADR, RID, IMDG, IATA. Reach Annex XVII - Restrictions on the manufacture, placing on the market and use of certain dangerous substances, mixtures and articles. Reach Annex XIII - Criteria for the identification of PBT and vPvB substances. Commission Regulation (EU) No 413/2010 on shipments of waste. The Classification, Labelling and Packaging (CLP) Regulation ((EC) No 1272/2008).
Declaration No.	308189

**15.2. Chemical safety assessment**

Chemical safety assessment performed	No
Chemical safety assessment	Not determined.
Exposure scenarios for mixture	No

**SECTION 16: Other information**

Supplier's notes	Information provided in the safety data sheet is prepared on the basis of information supplied by subcontractors, and according to information in our possession at the last entered revision date. The information is to be regarded as guidelines for safe use, processing, storage and transportation. It is assumed that the product is used in accordance with the description on the packaging or in the technical data sheet/product data sheet prepared by Hey'di AS. Any other use of the product, if necessary in combination with other products or processes are not recommended, unless otherwise agreed with Hey'di AS.
List of relevant H-phrases (Section 2 and 3)	H315 Causes skin irritation. H318 Causes serious eye damage. H335 May cause respiratory irritation.
Last update date	28.12.2021
Version	2
Prepared by	Susann Sedqi
Positive Ecolabelling	Ecolabel name: Svanen Logo: Svanemarket Expiration date: 2024-06-30 Licence No.: 2097 0016
NOBB No.	43852321, 43852302, 43852336
URL for user guide	<a href="http://www.heydi.no">http://www.heydi.no</a>
URL for brochure	<a href="http://www.heydi.no">http://www.heydi.no</a>
URL for technical data	<a href="http://www.heydi.no">http://www.heydi.no</a>