



<b>SAFETY DATA SHEET</b>		
	<b>Hey'di Top</b>	

The safety data sheet is in accordance with Commission Regulation (EU) 2015/830 of 28 May 2015 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	17.03.2016
Revision date	04.12.2017

### 1.1. Product identifier

Product name	Hey'di Top
Article no.	9063, 9064
GTIN No.	7054150090636, 7054150090643

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

Function	Description: Impregnation and protection of cement-based surfaces.
Use categories nordic (UCN).	U05400
Use of the substance / mixture	Water-based impregnation and protection of cement-based surfaces, against discoloration.
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>PROC5 Mixing or blending in batch processes for formulation of preparations and articles (multistage and/or significant contact)</p> <p>PROC7 Industrial spraying</p> <p>PROC8a Transfer of substance or preparation (charging/discharging) from/to vessels/large containers at non-dedicated facilities</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 Hand-mixing in close conditions and only PPE available.</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	Application temperatures should be between +10 °C and +20 °C.

Standard industrial classification (NACE)	23.650
The chemical can be used by the general public	Yes

### 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
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## SECTION 2: Hazards identification

### 2.1. Classification of the substance or mixture

CLP classification, comments	Not considered to be hazardous to health or the environment according to current regulations.
Substance / mixture hazardous properties	Contains 1,2-Benzisothiazolin-3-one. May produce an allergic reaction.

### 2.2. Label elements

Hazard statements	EUH 208 Contains 1,2-Benzisothiazol-3(2H)-on. May produce an allergic reaction.
Labelling according to Directive 2008/47/EC	Not relevant.
Other EU labelling requirements	Not relevant.

### 2.3. Other hazards

PBT / vPvB	This product does not contain any PBT or vPvB substances.
Hazard description, general	Repeated exposure may cause skin dryness or cracking.
Physicochemical effects	Not known.
Health effect	Contains 1,2-Benzisothiazol-3(2H)-on. May produce an allergic reaction.

Environmental effects	For normal use as prescribed in this safety data sheet and technical data sheet, no adverse environmental impact is expected.
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## SECTION 3: Composition / information on ingredients

### 3.2. Mixtures

Description of the mixture	Water-based polymer dispersion with inert filler.
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	Provide fresh air, warmth and rest, preferably in comfortable upright sitting position. If breathing stops, provide artificial respiration. Get medical attention.
Skin contact	Remove contaminated clothing. Wash skin thoroughly with soap and water. Get medical attention if any discomfort continues.
Eye contact	Remove contact lenses, if present and easy to do. Continue rinsing. Continue to rinse for at least 15 minutes and seek medical attention.
Ingestion	Drink plenty of water. Do not induce vomiting. Get medical attention.

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

General symptoms and effects	May cause hypersensitivity after skin contact.
Acute symptoms and effects	Irritation of skin, eyes and respiratory tract possible. Ingestion may cause irritation of mucous membranes in stomach/intestines, stomach pain, vomiting, diarrhea. Respiratory irritation is possible if you inhale heated vapors from the product.
Delayed symptoms and effects	May cause hypersensitivity after skin contact.

### 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	A need for preventive occupational medical examinations is not indicated.
Specific details on antidotes	Not relevant.
Contraindications	Not relevant.
Separate first aid equipment	None.
Other information	Not relevant.

## SECTION 5: Firefighting measures

### 5.1. Extinguishing media

Suitable extinguishing media	CO <sub>2</sub> , foam, dry chemical and water fog. Sand, earth o.l. can also be used.
Improper extinguishing media	Water jet

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

Fire and explosion hazards	In case of fire, toxic gases may be formed. Avoid inhalation of combustion gases from fire.
Hazardous combustion products	Carbon monoxide (CO). Carbon dioxide (CO <sub>2</sub> ).

### 5.3. Advice for firefighters

Personal protective equipment	Use fresh air equipment when the product is involved in fire.
Fire fighting procedures	Use extinguishing measures appropriate to local circumstances and the surrounding environment. Cool containers exposed to flames with water until well after the fire is out.
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. Avoid release to the environment.
Personal protection measures	In case of spills, beware of slippery floors and surfaces.
Emergency procedures	Stop leak if safe to do so.
For emergency responders	Use the specified safety equipment. See section 8 Absorb spillage to prevent material damage.

### 6.2. Environmental precautions

Environmental precautionary measures	Do not discharge into drains, water courses or onto the ground. Them for further spread. Contain spillages with sand, earth or any suitable adsorbent material.
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### 6.3. Methods and material for containment and cleaning up

Containment	Store in a closed container. Store in a well-ventilated place.
Clean up	Absorb in vermiculite, dry sand or earth and place into containers. Collect and reclaim or dispose in sealed containers in licensed waste.

### 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.
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## SECTION 7: Handling and storage

## 7.1. Precautions for safe handling

Handling	Use appropriate protective equipment as described in section 8 when handling open containers. When using do not eat, drink or smoke. Provide easy access to water supply and eye wash facilities. Wash hands before breaks and before smoking, eating or drinking. Provide ventilation when work is in progress. Spills lead to slippery floors.
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## Protective safety measures

Safety measures to prevent fire	Store in a well-ventilated place. Keep container tightly closed.
Preventitive measures to protect the environment	Do not discharge into drains, soil or streams.
Advice on general occupational hygiene	Do not eat, drink or smoke in areas where this material is handled.

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

Storage	Store in tightly closed original container in a well-ventilated place.
Conditions to avoid	Stable under normal temperature conditions and recommended use.

## 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	Keep container tightly closed.
Advice on storage compatability	No specific advice on storage is indicated.
Additional information on storage conditions	Store in a closed container.
Storage temperature	Comments: Keep away from freezing.
Storage stability	May be stored for up to one year in closed packaging.

## 7.3. Specific end use(s)

Recommendations	Read the description in the technical datasheet about surface treatment before use.
Specific use(s)	Water-based impregnation and protection of cement-based surfaces, against discoloration.

## SECTION 8: Exposure controls / personal protection

Comments if preventive industrial medical examinations are to be carried out	A need for preventive occupational medical examinations is not indicated.
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## 8.1. Control parameters

## 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 vapours and mist.
Instruction on measures to prevent exposure	Opportunity for the eyewash should be found in the workplace. The usual precautions for handling chemicals should be followed.
Organisational measures to prevent exposure	All work must be planned so the inhalation of vapors and spillage on the skin to a minimum.
Technical measures to prevent exposure	Provide adequate general and local exhaust ventilation, especially in confined areas.

### Eye / face protection

Suitable eye protection	Wear approved, tight fitting safety glasses where splashing is probable.
Eye protection equipment	Description: If risk of splashing, wear safety goggles or face shield. Reference to relevant standard: EN 166

### Hand protection

Skin- / hand protection, long term contact	> 8 h Viton rubber (fluor rubber). Nitrile gloves are recommended.
Breakthrough time	Value: > 480 minute(s) Comments: Breakthrough time for the given glove material.
Thickness of glove material	Value: 0,35 mm (NBR). 0,4 mm (FKM).
Hand protection equipment	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	Wear suitable protective clothing.
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 to wash themselves or showers and then apply moisturizer on your exposed skin.
Skin protection remark	Prolonged or repeated skin contact may lead to dry skin with risk of cracking.

### Respiratory protection

Respiratory protection necessary at	In case of inadequate ventilation wear respiratory protection.
Recommended respiratory protection	Reference to relevant standard: EN 136/140/145

Additional respiratory protection measures	Provide sufficient ventilation during operations which cause vapour formation.
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## Thermal hazards

Thermal hazards	Not relevant.
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## Hygiene / environmental

Specific hygiene measures	When using do not eat, drink or smoke. Wash at the end of each work shift and before eating, smoking and using the toilet.
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## Appropriate environmental exposure control

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

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	Do not eat, drink or smoke while handling the product. 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	Liquid.
Colour	Milky.
Odour	Characteristic.
pH	Status: In delivery state Value: 6,5 - 7,5
Melting point / melting range	Comments: Not relevant.
Freezing point	Value: 0 °C
Boiling point / boiling range	Value: ~ 100 °C
Flash point	Comments: Not determined.
Flammability	Not relevant.
Vapour pressure	Value: ~ 23 hPa Temperature: = 20 °C
Density	Value: ~ 1020 kg/m³
Solubility	Comments: Miscible with water.
Partition coefficient: n-octanol/water	Comments: No information.
Auto-ignition temperature	Comments: No information.

Decomposition temperature	Value: ~ 180 °C
Viscosity	Value: ~ 40 -500 mPa.s
Explosive properties	No explosive properties.
Oxidising properties	No oxidizing properties.

## 9.2. Other information

### Physical hazards

Miscibility	Miscible with water.
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### Other physical and chemical properties

Physical and chemical properties	No information.
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## SECTION 10: Stability and reactivity

### 10.1. Reactivity

Reactivity	No specific reactivity hazards associated with this product.
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### 10.2. Chemical stability

Stability	Stable under normal temperature conditions and recommended use.
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### 10.3. Possibility of hazardous reactions

Possibility of hazardous reactions	No dangerous reactions are expected when used correctly.
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### 10.4. Conditions to avoid

Conditions to avoid	Stable under normal temperature conditions and recommended use.
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### 10.5. Incompatible materials

Materials to avoid	Avoid contact with oxidising agents.
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### 10.6. Hazardous decomposition products

Hazardous decomposition products	In case of fire, toxic gases (CO, CO <sub>2</sub> , NO <sub>x</sub> ) may be formed.
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## SECTION 11: Toxicological information

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

#### Other information regarding health hazards

Inhalation	No known delayed / repetitive effect when inhaled.
Skin contact	Prolonged or repeated contact may cause dermatitis.
Eye contact	None.



Ingestion	None.
Sensitisation	Contains 1,2-Benzisothiazol-3(2H)-on. May produce an allergic reaction.
Mutagenicity	No specific health warnings noted.
Carcinogenicity, other information	No specific health warnings noted.
Reproductive toxicity	No specific health warnings noted.
Comparison of CMR categories	None.

## Symptoms of exposure

In case of ingestion	May cause discomfort if swallowed.
In case of skin contact	May cause sensitisation by skin contact.
In case of inhalation	Vapours may irritate throat and respiratory system and cause coughing.
In case of eye contact	Splashes may irritate.

## SECTION 12: Ecological information

### 12.1. Toxicity

Ecotoxicity	The product is not expected to be hazardous to the environment.
Aquatic, comments	Not classified as dangerous for the environment. However, the product must not be discharged into drains or water courses or deposited where it can affect ground or surface waters.

### 12.2. Persistence and degradability

Persistence and degradability description/evaluation	This product does not contain any PBT or vPvB substances.
Persistence and degradability, comments	Bioaccumulation not expected. The product is not readily biodegradable.

### 12.3. Bioaccumulative potential

Bioaccumulative potential	No bioaccumulation is indicated.
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### 12.4. Mobility in soil

Mobility	The polymer is expected to be of low toxicity. The product is miscible with water. May spread in water systems.
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### 12.5. Results of PBT and vPvB assessment

PBT assessment results	According to Regulation (EC) No.453/2010: The product does not fulfill the criteria for PBT (Persistent/bioaccumulative/toxic) and vPvB (very persistent/very bioaccumulative).
vPvB evaluation results	The product contains no PBT or vPvB substances.

### 12.6. Other adverse effects

Other adverse effects, comments	Avoid discharge to sewer, waterway or ground.
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Environmental details, summation	The product is not classified as environmentally harmful. Spills and contamination should be avoided.
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## SECTION 13: Disposal considerations

### 13.1. Waste treatment methods

Specify the appropriate methods of disposal	Avoid release to the environment. Absorb in vermiculite or dry sand and dispose of at a licenced hazardous waste collection point.
EWC waste code	Classified as hazardous waste: No
EWL packing	EWC waste code: 150102 plasticpackaging Classified as hazardous waste: No
National regulations	Regulation 01.06 2004 nr. 930, on recycling of waste with subsequent amendments. Guidelines (Norsas) on collection and declaration of hazardous waste (2015).
Other information	Empty and cleaned packaging can be recycled.

## SECTION 14: Transport information

Dangerous goods	No
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### 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

### Additional information

Additional information	The product is not covered by international regulation on the transport of dangerous goods (IMDG, IATA, ADR/RID).
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## 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.

Fluorinated greenhouse gases, method	Not relevant.
Fluorinated greenhouse gases, comments	Not relevant.
Other label information	Not relevant.
EU occupational restrictions	No restrictions identified.
References (laws/regulations)	EU Regulation No. 1907/2006 (REACH) Title IV, art. 31 and Annex II. EU Regulation on classification labeling and packaging of substances and preparations (abbreviated CLP) (EC) No 1272/2008 Annex XIV - List of substances subject to authorization. Substances that give great cause for concern. Annex XVII - Restrictions on the production, marketing and use of certain hazardous substances. Regulation 704 on occupational limit values with changes. EU Waste regulation (EU) nr. 413/2010 with changes ADR / RID 2017 Regulation No. 384 01 April 2009.
Legislation and regulations	The List of Wastes (England) (Amendment) Regulations 2005. (SI 2005 No. 895).
Declaration No.	614323

## 15.2. Chemical safety assessment

Chemical safety assessment performed	No
Chemical safety assessment	Not relevant.
CSR required	No
Exposure scenarios for mixture	Nei
Exposure scenario comments	Exposure scenario is not required for this product.
Additional regulatory information	None.

## 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.
Classification according to Regulation (EC) No 1272/2008 [CLP / GHS]	
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Prepared by	Marit Taraldset
NOBB No.	50956545, 51412824

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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>