



| | | |
|---|-------------------|---|
| SAFETY DATA SHEET | | |
|  | Hey'di Top |  |

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 | SU10 Formulation [mixing] of preparations and/or re-packaging (excluding alloys) SU21 Consumer uses: Private households (= general public = consumers) SU22 Professional uses: publicly accessible (administration, education, entertainment, services, craftsmen) PC9 Coatings and Paints, Fillers, Putties, Thinners PROC5 Mixing or blending in batch processes for formulation of preparations and articles (multistage and/or significant contact) PROC7 Industrial spraying PROC8a Transfer of substance or preparation (charging/discharging) from/to vessels/large containers at non-dedicated facilities PROC9 Transfer of substance or preparation into small containers (dedicated filling line, including weighing) PROC10 Roller application or brushing PROC19 Hand-mixing in close conditions and only PPE available. ERC2 Formulation of preparations ERC8C Wide dispersive indoor use resulting in inclusion into or onto a matrix ERC8F Wide dispersive outdoor use resulting in inclusion into or onto a matrix |
| 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 | heydi@heydi.no |
| Website | www.heydi.no |
| 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

| | |
|--|---|
| 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. |
|-----------------------|---|

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 ₂ , 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 ₂). |

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. |
|--------------------------------------|---|

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. |
|--------------------|--|

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. |
|----------|--|

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. |
|--|---|

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. |
|--|--|

Thermal hazards

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

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. |
|---------------------------|--|

Appropriate environmental exposure control

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

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. |
|-------------|----------------------|

Other physical and chemical properties

| | |
|----------------------------------|-----------------|
| Physical and chemical properties | No information. |
|----------------------------------|-----------------|

SECTION 10: Stability and reactivity

10.1. Reactivity

| | |
|------------|--|
| Reactivity | No specific reactivity hazards associated with this product. |
|------------|--|

10.2. Chemical stability

| | |
|-----------|---|
| Stability | Stable under normal temperature conditions and recommended use. |
|-----------|---|

10.3. Possibility of hazardous reactions

| | |
|------------------------------------|--|
| Possibility of hazardous reactions | No dangerous reactions are expected when used correctly. |
|------------------------------------|--|

10.4. Conditions to avoid

| | |
|---------------------|---|
| Conditions to avoid | Stable under normal temperature conditions and recommended use. |
|---------------------|---|

10.5. Incompatible materials

| | |
|--------------------|--------------------------------------|
| Materials to avoid | Avoid contact with oxidising agents. |
|--------------------|--------------------------------------|

10.6. Hazardous decomposition products

| | |
|----------------------------------|--|
| Hazardous decomposition products | In case of fire, toxic gases (CO, CO ₂ , NO _x) may be formed. |
|----------------------------------|--|

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. |
|---------------------------|----------------------------------|

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. |
|----------|---|

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. |
|---------------------------------|---|

| | |
|----------------------------------|---|
| Environmental details, summation | The product is not classified as environmentally harmful. Spills and contamination should be avoided. |
|----------------------------------|---|

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 |
|-----------------|----|

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). |
|------------------------|---|

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] | |
| Last update date | 17.03.2016 |
| Version | 1 |
| Prepared by | Marit Taraldset |
| NOBB No. | 50956545, 51412824 |

| | |
|------------------------|---|
| URL for user guide | http://www.heydi.no |
| URL for brochure | http://www.heydi.no |
| URL for technical data | http://www.heydi.no |