

**SECTION 1: Identification of the substance/mixture and of the company/undertaking****1.1. Product identifier****Name of product** miDori bioDry 1.0**1.2. Relevant identified uses of the substance or mixture and uses advised against****Use of the Substance/Mixture** Textile dyes, finishing and impregnating products; including bleaches and other processing aids**Uses advised against** Private households (=general public, =consumers)**1.3. Details of the supplier of the safety data sheet****Company/Undertaking Identification** Beyond Surface Technologies AG, Güterstrasse 19, 4133 Pratteln  
Phone + 41 61821 3986 (only available at office hours)  
E-Mail (competent person): ehs@beyonst.com**1.4. Emergency telephone number** 145 / +41 44 251 51 51 (Tox Info Suisse)**Issuing date** 01.07.2017**Version** 1 (Supersedes version: n.a.)**SECTION 2: Hazards identification****2.1. Classification of the substance or mixture****Classification according to Regulation (EC) No. 1272/2008** Serious eye damage/eye irritation, Cat. 1, H318**Additional information** For the full text of the phrases mentioned in this Section, see Section 16.**2.2. Label elements****Signal Word** Danger**Hazard Statements** H318: Causes serious eye damage.**Precautionary statements** P273: Avoid release to the environment.  
P280c: Wear protective gloves/ eye protection/ face protection.  
P305+P351+P338: IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.  
P310: Immediately call a POISON CENTER or doctor/physician.**Supplemental information** None.

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Name of Product:

**miDori bioDry 1.0**

**Product identifier** 1-Propanaminium, 2-hydroxy-N-(2-hydroxypropyl)-N,N-dimethyl-, esters with fatty acids, C18 unsatd., Me sulfates (salts), CAS-No. 939-685-4, REACH No. 01-2119983493-26

**2.3. Other hazards** None known.

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**SECTION 3: Composition/information on ingredients****3.2. Mixtures**

Liquid mixture.

Components		CLP Classification	Product identifier
1-Propanaminium, 2-hydroxy-N-(2-hydroxypropyl)-N,N-dimethyl-, esters with fatty acids, C18 unsatd., Me sulfates (salts)	5% - 10%	Skin Irrit. 2 H315, Eye Dam. 1 H318, Aquatic Chronic 3 H412	CAS-No.: 939-685-4

**Hazardous impurities** None known.

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**SECTION 4: First aid measures****4.1. Description of first aid measures**

**Inhalation** Move to fresh air in case of accidental inhalation of vapours or decomposition products. Call a physician or poison control centre immediately.

**Skin contact** Wash off immediately with plenty of water for at least 15 minutes. Remove contaminated clothing and shoes. Immediate medical treatment is necessary as untreated wounds from corrosion of the skin heal slowly and with difficulty.

**Eye contact** Rinse immediately with plenty of water, also under the eyelids, for at least 15 minutes. Protect unharmed eye. Consult an ophthalmologist.

**Ingestion** Clean mouth with water and drink afterwards plenty of water. Prevent vomiting if possible. If swallowed, seek medical advice immediately and show this container or label.

**4.2. Most important symptoms and effects, both acute and delayed** Stomach/intestinal disorders

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

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**SECTION 5: Firefighting measures****5.1. Extinguishing media**

**Suitable extinguishing media** Use dry chemical, CO<sub>2</sub>, water spray or alcohol foam.

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**miDori bioDry 1.0****Extinguishing media which must not be used for safety reasons**

High volume water jet.

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

During a fire, smoke may contain the original material in addition to unidentified toxic and/or irritating compounds. Collect contaminated fire extinguishing water separately. This must not be discharged into drains.

**5.3. Advice for firefighters****Special protective equipment for firefighters**

Standard procedure for chemical fires. In the event of fire, wear self-contained breathing apparatus. Complete suit protecting against chemicals.

**Specific methods**

Use extinguishing measures that are appropriate to local circumstances and the surrounding environment.

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**SECTION 6: Accidental release measures****6.1. Personal precautions, protective equipment and emergency procedures****Advice for non-emergency personnel**

Forms slippery/greasy layers with water. Use personal protective equipment. Avoid contact with skin and eyes. Do not breathe vapours/dust.

**Advice for emergency responders**

Forms slippery/greasy layers with water. Use personal protective equipment. Do not breathe vapours/dust. Immediately evacuate personnel to safe areas. Ventilate the area.

**6.2. Environmental precautions**

Do not flush into surface water or sanitary sewer system.

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

Soak up with inert absorbent material. Keep in suitable and closed containers for disposal.

**6.4. Reference to other sections**

See chapter 8 and 13.

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**SECTION 7: Handling and storage****7.1. Precautions for safe handling**

Local exhaust. Ingestion, exposure to skin and eyes and inhalation of any generated vapours should be avoided. Plan first aid action before beginning work with this product. Wear personal protective equipment. Keep away from food and drink. When using, do not eat, drink or smoke. Take off all contaminated clothing immediately.

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

Store in a place accessible by authorized persons only. Keep container tightly closed. Store in original container.

**7.3. Specific end use(s)**

No information available.

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**SECTION 8: Exposure controls/personal protection****8.1. Control parameters****DNEL****1-Propanaminium, 2-hydroxy-N-(2-hydroxypropyl)-N,N-dimethyl-, esters with fatty acids, C18 unsatd., Me sulfates (salts)**End Use: Worker, Routes of exposure: Inhalation, Possible health damage: Long-term systemic effects, Dose: 8,72 mg/m<sup>3</sup>

End Use: Worker, Routes of exposure: dermal, Possible health damage: Long-term systemic effects, Dose: 112,5 mg/kg bw/day

End Use: Consumer use, Routes of exposure: Inhalation, Possible health damage: Long-term systemic effects, Dose: 2,17 mg/m<sup>3</sup>

End Use: Consumer use, Routes of exposure: dermal, Possible health damage: Long-term systemic effects, Dose: 56,25 mg/kg bw/day,

End Use: Consumer use Routes of exposure: Oral, Possible health damage: Long-term systemic effects, Dose: 1,25 mg/kg bw/day

**PNEC****1-Propanaminium, 2-hydroxy-N-(2-hydroxypropyl)-N,N-dimethyl-, esters with fatty acids, C18 unsatd., Me sulfates (salts)**

Environmental compartment: Fresh water, Dose: 0,017 mg/l

Environmental compartment: Fresh water sediment, Dose: 1,7 mg/kg (dry weight)

Environmental compartment: Marine water, Dose: 0,002 mg/l

Environmental compartment: Marine sediment, Dose: 0,17 mg/kg (dry weight)

Environmental compartment: sewage treatment plant (STP), Dose: 10 mg/l

Environmental compartment: Soil, Dose: 0,331 mg/kg (dry weight)

**Exposure limit(s)**

No data is available on the product itself.

**8.2. Exposure controls****Appropriate engineering controls**

Ensure adequate ventilation, especially in confined areas. Handle in accordance with good industrial hygiene and safety practice. Regular cleaning of equipment, work area and clothing.

**Personal protection equipment***Respiratory protection*

In case of insufficient ventilation wear suitable respiratory equipment. Respirator with combination filter for vapour/particulate (EN 14387).

*Hand protection*

Gloves made of Chloroprene. Break through time: &gt; 480 min. The selected protective gloves have to satisfy the specifications of EU Directive 89/686/EEC and the standard EN 374 derived from it.

*Eye protection*

Tightly fitting safety goggles.

*Skin and body protection*

Lightweight protective clothing. Choose body protection according to the amount and concentration of the dangerous substance at the work place. Recommendation: Use protective skin cream before handling the product.

*Thermal hazards*

No special measures required.

**Environmental exposure controls**

Prevent product from entering surface water or sewage.

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**SECTION 9: Physical and chemical properties****9.1. Information on basic physical and chemical properties**

<b>Appearance</b>	Liquid.
<b>Colour</b>	Off-white.
<b>Odour</b>	Mild.
<b>Odour Threshold</b>	Not determined.
<b>pH:</b>	3 - 5
<b>Melting point/range:</b>	< 0 °C
<b>Boiling point/range:</b>	ca. 100 °C
<b>Flash point:</b>	> 100 °C
<b>Evaporation Rate:</b>	not determined
<b>Flammability:</b>	Not determined.
<b>Explosion limits:</b>	not determined
<b>Vapour pressure:</b>	23 hPa (20°C / Wasser)
<b>Vapor density:</b>	Not determined.
<b>Relative density:</b>	ca. 1.0
<b>Water solubility:</b>	miscible
<b>Partition coefficient (n-octanol/water):</b>	Not determined.
<b>Autoignition temperature:</b>	none
<b>Decomposition temperature:</b>	Not determined.
<b>Viscosity:</b>	Not determined.
<b>Explosive properties:</b>	not hazardous
<b>Oxidising properties:</b>	None

**9.2. Other information**

**General Product Characteristics** No information available.

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**SECTION 10: Stability and reactivity**

<b>10.1. Reactivity</b>	No hazards to be specially mentioned.
<b>10.2. Chemical stability</b>	No decomposition if used as directed.
<b>10.3. Possibility of hazardous reactions</b>	No hazards to be specially mentioned.
<b>10.4. Conditions to avoid</b>	Burning produces obnoxious and toxic fumes.
<b>10.5. Incompatible materials</b>	Base metals, alkali metals, strong oxidizing agents
<b>10.6. Hazardous decomposition products</b>	None reasonably foreseeable.

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**SECTION 11: Toxicological information****11.1. Information on toxicological effects**

<b>Acute toxicity</b>	LD50/oral/mouse > 2000 mg/kg. LD50/dermal/rabbit > 2000 mg/kg.
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<b>Skin corrosion/irritation</b>	May irritate skin.
<b>Serious eye damage/eye irritation</b>	Serious eye damage/eye irritation
<b>Respiratory / Skin Sensitisation</b>	None.
<b>Carcinogenicity</b>	Based on available data, the classification criteria are not met.
<b>Germ cell mutagenicity</b>	Based on available data, the classification criteria are not met.
<b>Reproductive toxicity</b>	Based on available data, the classification criteria are not met.
<b>Specific target organ toxicity (single exposure)</b>	No data available.
<b>Specific target organ toxicity (repeated exposure)</b>	No data available.
<b>Aspiration hazard</b>	No aspiration toxicity classification.
<b>Human experience</b>	No data available.

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**SECTION 12: Ecological information**

<b>12.1. Toxicity</b>	No data available.
<b>12.2. Persistence and degradability</b>	
<b>12.3. Bioaccumulative potential</b>	No data available.
<b>12.4. Mobility in soil</b>	No data available. Bioaccumulation is unlikely.
<b>12.5. Results of PBT and vPvB assessment</b>	No data available.
<b>12.6. Other adverse effects</b>	This preparation contains no substance considered to be persistent, bioaccumulating nor toxic (PBT).

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**SECTION 13: Disposal considerations****13.1. Waste treatment methods**

<b>Waste from residues / unused products</b>	Dispose of in accordance with local regulations.
<b>Contaminated packaging</b>	Dispose of as unused product.

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**SECTION 14: Transport information**

<b>ADR/RID</b>	Not regulated.
<b>IMDG</b>	Not regulated.
<b>IATA</b>	Not regulated.
<b>Further Information</b>	Not classified as dangerous in the meaning of transport regulations.

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**SECTION 15: Regulatory information****15.1. Safety, health and environmental regulations/legislation specific for the substance or mixture**

**Regulatory Information** The product is classified and labelled according to Regulation (EC) No. 1272/2008.

Water contaminating class (WGK Germany) = 1.

**15.2. Chemical safety assessment** Not required.

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**SECTION 16: Other information**

<b>Revision Note</b>	1 <sup>st</sup> version
<b>Key or legend to abbreviations and acronyms</b>	CLP: Classification according to Regulation (EC) No. 1272/2008 (GHS)
<b>Classification procedure</b>	Classification according to Regulation (EC) No. 1272/2008, calculation method
<b>Full text of phrases referred to under sections 2 and 3</b>	H315: Causes skin irritation. H318: Causes serious eye damage. H412: Harmful to aquatic life with long lasting effects.
<b>Further information</b>	Take notice of the directions of use on the label.
<b>Instructions for use</b>	For industrial application only.
<b>Disclaimer</b>	<p>The information provided in this Safety Data Sheet is correct to the best of our knowledge, information and belief at the date of its publication. The information given is designed only as a guidance for safe handling, use, processing, storage, transportation, disposal and re-release. It is not to be considered a warranty or quality specification.</p> <p>The information cannot be transferred to other products. The information relates only to the specific material designated and may not be valid for such material used in combination with any other materials or in any process, unless specified in the text.</p>