

## SAFETY DATA SHEET

## Baðhreinsir

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	19.07.2016
Revision date	20.04.2021

**1.1. Product identifier**

Product name	Baðhreinsir
Article no.	1604304

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

Use of the substance / mixture	Cleaning agent.
The chemical can be used by the general public	Yes
The chemical is used by general public only	No

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

Company name	Tandur h.f.
Office address	Hestháis 12
Postcode	110
City	Reykjavík
Country	ICELAND
Telephone number	00354 510 1200
Email	<a href="mailto:tandur@tandur.is">tandur@tandur.is</a>
Website	<a href="http://www.tandur.is">www.tandur.is</a>

**1.4. Emergency telephone number**

Emergency telephone	Telephone number: 112 Description: NEYÐARNÚMER
	Telephone number: 543-2222 Description: EITRUNARMÍÐSTÖÐ

## 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

### 2.2. Label elements

#### Hazard pictograms (CLP)



Signal word

Danger

Hazard statements

H318 Causes serious eye damage.

Precautionary statements

P280 Wear eye 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.

### 2.3. Other hazards

PBT / vPvB

This product does not contain any PBT or vPvB substances.

## SECTION 3: Composition / information on ingredients

### 3.2. Mixtures

Substance	Identification	Classification	Contents	Notes
Alcohols, C12-14, ethoxylated sulfates, sodium salts	CAS No.: 68891-38-3 EC No.: 500-234-8	Eye Dam. 1; H318 Skin Irrit. 2; H315 Aquatic Chronic 3; H412	3 - 10 % wt/wt	
Isotridecanoethoxylate	REACH Reg. No.: 02-2119552461-55-0000	Acute tox. 4; H302 Eye Dam. 1; H318	1 - 3 % wt/wt	
Diethanolamide	CAS No.: 68155-07-7 EC No.: 931-329-6	Skin Irrit. 2; H315 Eye Dam. 1; H318	1 - 3 % wt/wt	

## SECTION 4: First aid measures

### 4.1. Description of first aid measures

General	Call a POISON CENTER or doctor/physician if you feel unwell. Show this SDS.
Inhalation	Get medical attention if any discomfort continues.
Skin contact	Flush skin thoroughly with water. If skin irritation occurs: Get medical advice/attention.
Eye contact	Promptly wash eyes with plenty of water while lifting the eye lids. Remove contact lenses, if present and easy to do. Continue rinsing. Get medical attention immediately! Continue flushing during transport to hospital.
Ingestion	Rinse mouth thoroughly. Drink a few glasses of water or milk. Get medical

attention if any discomfort continues.

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

Acute symptoms and effects	See further section 11.1 under "Potential Acute Effects"
----------------------------	--

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

# SECTION 5: Firefighting measures

## 5.1. Extinguishing media

Suitable extinguishing media	Water spray, foam, dry powder or carbon dioxide.
------------------------------	--

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

Fire and explosion hazards	No unusual fire or explosion hazards noted.
Hazardous combustion products	Not known.

## 5.3. Advice for firefighters

Personal protective equipment	Wear respiratory protection. Wear protective gloves / protective clothing / eye protection / face protection.
Fire fighting procedures	Fight fire with normal precautions from a reasonable distance.

# SECTION 6: Accidental release measures

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

General measures	Stop leak if safe to do so.
Hazardous combustion products	Not known.

## 6.2. Environmental precautions

Environmental precautionary measures	Avoid release to the environment. Collect and dispose of spillage as indicated in section 13.
--------------------------------------	---

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

## 6.4. Reference to other sections

Other instructions	See section 8 and 13 for further details.
--------------------	---

# SECTION 7: Handling and storage

## 7.1. Precautions for safe handling

### Protective safety measures

Preventitive measures to protect the environment	Prevent the product to reach sewage water or drainage system undiluted or unneutralized. Collect spillage if possible.
--	--

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

Storage	Keep away from food, drink and animal feeding stuffs.
---------	---

## Conditions for safe storage

Requirements for storage rooms and vessels	Store in original container.
--	------------------------------

## 7.3. Specific end use(s)

# SECTION 8: Exposure controls / personal protection

## 8.1. Control parameters

Substance	Identification	Exposure limits	TWA Year
Alcohols, C12-14, ethoxylated sulfates, sodium salts	CAS No.: 68891-38-3		
Isotridecanoethoxylate			
Diethanolamide	CAS No.: 68155-07-7		

## 8.2. Exposure controls

Limitation of exposure on workplace	Personal protection equipment should be chosen according to the CEN standards and in discussion with the supplier of the personal protective equipment. Protective gloves and goggles are recommended. An eye wash bottle must be available at the work site.
-------------------------------------	---

## Safety signs



## Eye / face protection

Eye protection	Use approved safety glasses, goggles or face shield. Safety glasses should have side shields.
Suitable eye protection	Safety glasses should have side shields.
Reference to relevant standard	EN 166

## Skin protection

Skin protection (except hands)	No special precautions.
--------------------------------	-------------------------

## Respiratory protection

Respiratory protection	Under normal conditions of use respiration protection should not be required.
------------------------	---

## Appropriate environmental exposure control

Environmental exposure controls	Should not reach sewage or drainage system undiluted or unneutralized.
---------------------------------	--

## SECTION 9: Physical and chemical properties

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

Physical state	Clear liquid.
Colour	Reddish.
Odour	Perfume.
pH	Status: In delivery state Value: ~ 9,0 Temperature: ~ 20 °C
Relative density	Value: = 1,01 g/ml Temperature: ~ 20 °C
Solubility in water	Fully miscible.

### 9.2. Other information

## SECTION 10: Stability and reactivity

### 10.1. Reactivity

Reactivity	There are no known reactivity hazards associated with this product.
------------	---

### 10.2. Chemical stability

Stability	The mixture is stable under normal storage and use conditions.
-----------	--

### 10.3. Possibility of hazardous reactions

Possibility of hazardous reactions	No hazardous reactions known under normal storage and use conditions.
------------------------------------	---

### 10.4. Conditions to avoid

Conditions to avoid	None known under normal storage and use conditions.
---------------------	---

### 10.5. Incompatible materials

Materials to avoid	None in particular.
--------------------	---------------------

### 10.6. Hazardous decomposition products

Hazardous decomposition products	No hazardous decomposition products.
----------------------------------	--------------------------------------

## SECTION 11: Toxicological information

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

Substance	Alcohols, C12-14, ethoxylated sulfates, sodium salts
Acute toxicity	<b>Type of toxicity:</b> Acute <b>Effect tested:</b> LD50 <b>Route of exposure:</b> Oral

Substance	<b>Value:</b> ~ 4000 mg/kg <b>Animal test species:</b> Rat
Acute toxicity	Isotridecanoethoxylate
Substance	<b>Type of toxicity:</b> Acute <b>Effect tested:</b> LD50 <b>Route of exposure:</b> Oral <b>Value:</b> ~ 500-2000 mg/kg <b>Animal test species:</b> Rat <b>Test reference:</b> OECD guideline 423
Acute toxicity	Diethanolamide
Substance	<b>Type of toxicity:</b> Acute <b>Effect tested:</b> LD50 <b>Route of exposure:</b> Oral <b>Value:</b> > 5000 mg/kg <b>Animal test species:</b> Rat

### Other information regarding health hazards

Inhalation	Not known.
Skin contact	Irritation is unlikely under normal use of the product.
Eye contact	Risk of serious damage to eyes.
Ingestion	No harmful effects expected in amounts likely to be ingested by accident.
Mutagenicity	No information available on mixture. However, studies have not shown any indication of mutagenicity of individual substances in the mixture.
Carcinogenicity, other information	No information or data available on mixture. However, there is no evidence of carcinogenicity on individual substances in the mixture.
Reproductive toxicity	No information or data available on mixture. However, studies have not shown any indication of reproductive toxicity for individual substances in the mixture.

## 11.2 Other information

## SECTION 12: Ecological information

### 12.1. Toxicity

Substance	Alcohols, C12-14, ethoxylated sulfates, sodium salts
Aquatic toxicity, fish	<b>Value:</b> 1 - 10 mg/l <b>Test duration:</b> 96 h <b>Method:</b> LC50
Substance	Isotridecanoethoxylate
Aquatic toxicity, fish	<b>Value:</b> ~ 1 - 10 mg/l <b>Species:</b> Leuciscus idus
Substance	Diethanolamide
Aquatic toxicity, fish	<b>Value:</b> 1 - 1 mg/L <b>Test duration:</b> 96 h <b>Method:</b> LC50

Substance	Alcohols, C12-14, ethoxylated sulfates, sodium salts
Aquatic toxicity, algae	<b>Value:</b> 10 - 100 mg/l <b>Test duration:</b> 72 h <b>Method:</b> LC50
Substance	Isotridecanoethoxylate
Aquatic toxicity, algae	<b>Value:</b> ~ 1 - 10 mg/l <b>Test duration:</b> 72 h
Substance	Diethanolamide
Aquatic toxicity, algae	<b>Value:</b> 1 - 5 mg/L <b>Test duration:</b> 48 h <b>Method:</b> EC50
Substance	Alcohols, C12-14, ethoxylated sulfates, sodium salts
Aquatic toxicity, crustacean	<b>Value:</b> 1 - 10 mg/l <b>Test duration:</b> 48 h <b>Species:</b> Daphnia <b>Method:</b> EC50
Substance	Isotridecanoethoxylate
Aquatic toxicity, crustacean	<b>Value:</b> ~ 1 - 10 mg/l <b>Test duration:</b> 48 h
Substance	Diethanolamide
Aquatic toxicity, crustacean	<b>Value:</b> 5 - 15 mg/L <b>Test duration:</b> 72 h <b>Method:</b> EC 50

## 12.2. Persistence and degradability

Substance	Diethanolamide
Biodegradability	<b>Value:</b> > 95 % <b>Method:</b> MBAS (OECD Screening test)
Persistence and degradability, comments	No information available on mixture. However, individual substances are all classified as readily biodegradable.

## 12.3. Bioaccumulative potential

Bioaccumulative potential	No data available on bioaccumulation.
---------------------------	---------------------------------------

## 12.4. Mobility in soil

## 12.5. Results of PBT and vPvB assessment

PBT assessment results	Not Classified as PBT/vPvB by current EU criteria.
Substance	Isotridecanoethoxylate
PBT assessment results	Not Classified as PBT/vPvB by current EU criteria.

## 12.6. Endocrine disrupting properties

## 12.7. Other adverse effects

### SECTION 13: Disposal considerations

#### 13.1. Waste treatment methods

Specify the appropriate methods of disposal	Avoid release to the environment. Dispose of waste and residues in accordance with local authority requirements.
Relevant waste regulation	Regulation no. 737/2003
National regulations	Regulation 786/1999
Other information	Disposal to licensed waste disposal site in accordance with local Waste Disposal Authority.

### SECTION 14: Transport information

#### 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

Legislation and regulations	<p>Reglugerð nr. 1907/2006 og síðan 750/2008 um skráningu, mat, leyfisveitingu og takmarkanir er varða efni (efnareglur REACH).</p> <p>Breytingar sem gerðar voru á II viðauka REACH reglugerðar með EB reglugerð nr. 453/2010 til að samræma kröfurnar við nýjar reglur um flokkun og merkingu (CLP reglugerðin 1272/2008).</p> <p>Reglugerð EB nr. 1272/2008 um flokkun, merkingu og pökkun efna og blandna, sem breytir og kemur í stað tilskipana 67/548/EBE og 1999/45/EB, og breytir reglugerð (EB) nr. 1907/2006 (REACH).</p> <p>Reglugerðir EB nr. 790/2009 og 286/2011 um breytingar á reglugerðum Evrópuþingsins og ráðsins (EB) nr. 1272/2008 í því skyni að laga hana að tækniframförum.</p> <p>Lög nr. 61/2013 - Efnalög meginmarkmið þeirra er að tryggja öryggi neytenda við meðferð á efnum og efnablöndum þannig að þau valdi ekki tjóni á heilsu manna, dýra eða umhverfi.</p>
-----------------------------	--

#### 15.2. Chemical safety assessment



Chemical safety assessment performed	No
--------------------------------------	----

## SECTION 16: Other information

List of relevant H-phrases (Section 2 and 3)	<p>H302 Harmful if swallowed.</p> <p>H315 Causes skin irritation.</p> <p>H318 Causes serious eye damage.</p> <p>H412 Harmful to aquatic life with long lasting effects.</p>
Abbreviations and acronyms used	<p>CLP: Classification, labelling and packaging</p> <p>GHS: Globally Harmonized System.</p> <p>DNEL: Derived No Effect Limit (afleidd áhrifaleysismörk).</p> <p>PBT: Persistent, Bioaccumulative and Toxic</p> <p>PNEC: Predicted No Effect Concentration</p> <p>vPvB: Very Persistent and very Bioaccumulative</p> <p>REACH: Registration, Evaluation, Authorization and Restriction of Chemicals.</p>
Revision responsible	Alfred Aðalsteinsson (M.Sc. Chemistry); email: alfred@tandur.is
Version	2
Prepared by	Birgir Ö. Gudmundsson (Ph.D Chemistry); email: birgir@tandur.is