

## SAFETY DATA SHEET

## Bílahreinsir

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	04.11.2014
Revision date	30.04.2021

**1.1. Product identifier**

Product name	Bílahreinsir
Article no.	2204004, 2204006, 2204008

**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	Hestháls 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: EMERGENCY#
	Telephone number: (+354)-543-2222 Description: POISON CENTER

## 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 protective gloves / protective clothing / 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.

### 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
Fatty alcohol ethoxylate	CAS No.: 68439-46-3 EC No.: Polymer	Eye Dam. 1; H318 Acute tox. 4; H302	1 - 5 % wt/wt	
C10 Alcohol ethoxylate	CAS No.: 160875-66-1	Eye Dam. 1; H318	1 - 5 % wt/wt	
Quaternary C12-C14 alkyl methyl amine ethoxylate	CAS No.: 1554325-20-0	Acute tox. 4; H302 Skin Irrit. 2; H315	1 - 5 % wt/wt	
methyl chloride		Eye Dam. 1; H318		

## SECTION 4: First aid measures

### 4.1. Description of first aid measures

Inhalation

If breathing is difficult, remove victim to fresh air and keep at rest in a position comfortable for breathing. 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 immediate

Recommended personal protective equipment for first aid responders	<p>medical advice/attention.</p> <p>Use personal protective equipment as required.</p>
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## 4.2. Most important symptoms and effects, both acute and delayed

Information for health personnel	IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.
Acute symptoms and effects	May cause severe eye damage. Sjá einnig lið 11.1 undir "Möguleg bráð áhrif".

## 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.
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## 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.
For emergency responders	<p>Wear protective clothing as described in Section 8 of this safety data sheet.</p> <p>Call a POISON CENTER or doctor/physician if you feel unwell.</p>

## 6.2. Environmental precautions

Environmental precautionary measures	Avoid release to the environment. Collect and dispose of spillage as indicated in section 13.
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## 6.3. Methods and material for containment and cleaning up

Containment	Store in a closed container.
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## 6.4. Reference to other sections

Other instructions	See section 8 and 13 for further details.
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## SECTION 7: Handling and storage

### 7.1. Precautions for safe handling

Handling	Provide easy access to water supply and eye wash facilities.
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### 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.
Advice on general occupational hygiene	Private clothes and working clothes should be kept separately.

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

Storage	Avoid contact with skin and eyes. Keep away from food, drink and animal feeding stuffs. Keep container tightly closed. Keep in original container. Store protected from acids.
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### Conditions for safe storage

Requirements for storage rooms and vessels	Keep only in original container.
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### 7.3. Specific end use(s)

## SECTION 8: Exposure controls / personal protection

### 8.1. Control parameters

Substance	Identification	Exposure limits	TWA Year
Fatty alcohol ethoxylate	CAS No.: 68439-46-3		
C10 Alcohol ethoxylate	CAS No.: 160875-66-1		
Quaternary C12-C14 alkyl methyl amine ethoxylate	CAS No.: 1554325-20-0		
methyl chloride			

### 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.
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### Safety signs



### Precautionary measures to prevent exposure

Instruction on measures to prevent exposure	Secure access of workers to safety information.
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Organisational measures to prevent exposure	Avoid direct contact and/or splashes where possible. Train personnel.
Technical measures to prevent exposure	Where possible: use through foam systems and cover open containers. Use safety glasses/goggles and protective clothing.

## 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.
Additional eye protection measures	Provide easy access to water supply and eye wash facilities.
Reference to relevant standard	EN 166

## Hand protection

Hand protection	Chemical resistant gloves required for prolonged or repeated contact.
Reference to relevant standard	Chemical-resistant protective gloves (EN 374).

## Skin protection

Skin protection (except hands)	Wear suitable protective clothing as protection against splashing or contamination.
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## Respiratory protection

Respiratory protection	Under normal conditions of use respiration protection should not be required.
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## Appropriate environmental exposure control

Environmental exposure controls	Should not reach sewage or drainage system undiluted or unneutralized.
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## SECTION 9: Physical and chemical properties

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

Physical state	Clear liquid.
Colour	Colourless.
Odour	Almost odourless.
pH	Value: ~ 10 Method: neat Temperature: ~ 20 °C
Relative density	Value: = 1,0 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

Fatty alcohol ethoxylate

### Acute toxicity

**Type of toxicity:** Acute

**Effect tested:** LD50

**Route of exposure:** Oral

**Value:** > 300-2000 mg/kg

**Animal test species:** Rotta

**Type of toxicity:** Acute

**Effect tested:** LD50

**Route of exposure:** Dermal

**Value:** > 2000 mg/kg

**Type of toxicity:** Acute

**Effect tested:** LC50

**Route of exposure:** Inhalation.

**Value:** > 20 mg/l

### Substance

C10 Alcohol ethoxylate

### Acute toxicity

**Type of toxicity:** Acute

**Effect tested:** LD50

**Route of exposure:** Oral

**Value:** 2000-5000 mg/kg

**Animal test species:** rat

**Type of toxicity:** Acute

**Effect tested:** LD50

**Route of exposure:** Dermal  
**Value:** 2000-5000 mg/kg

**Type of toxicity:** Acute  
**Effect tested:** LC50  
**Route of exposure:** Inhalation.  
**Value:** > 20 mg/l

## Other information regarding health hazards

Inhalation	No known chronic or acute health risks.
Skin contact	Irritating to skin.
Eye contact	Corrosive. Risk of serious damage to eyes. Immediate first aid is necessary.
Ingestion	Ingestion may cause severe irritation of the mouth, the oesophagus and the gastrointestinal tract.
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	Fatty alcohol ethoxylate
Aquatic toxicity, fish	<b>Value:</b> 1 - 10 mg/l <b>Test duration:</b> 96 h <b>Method:</b> LC50
Substance	C10 Alcohol ethoxylate
Aquatic toxicity, fish	<b>Value:</b> 1,1 - 10 mg/l <b>Test duration:</b> 96 h <b>Species:</b> Oncochinchus mykiss <b>Method:</b> LC50
Substance	Fatty alcohol ethoxylate
Aquatic toxicity, algae	<b>Value:</b> 1 - 10 mg/l <b>Test duration:</b> 72 h <b>Species:</b> Skeletonema costatum <b>Method:</b> IC50
Substance	C10 Alcohol ethoxylate
Aquatic toxicity, algae	<b>Value:</b> 10,1 - 100 mg/l <b>Test duration:</b> 72 h <b>Species:</b> Skenedesmus subspicatus <b>Method:</b> IC50

Substance	Fatty alcohol ethoxylate
Aquatic toxicity, crustacean	<b>Value:</b> 1 - 10 mg/l <b>Test duration:</b> 48 h <b>Species:</b> Daphnia magna <b>Method:</b> EC50
Substance	C10 Alcohol ethoxylate
Aquatic toxicity, crustacean	<b>Value:</b> 1 - 10 mg/l <b>Test duration:</b> 48 h <b>Species:</b> Daphnia magna <b>Method:</b> EC50

## 12.2. Persistence and degradability

Persistence and degradability, comments	No information available on mixture. However, individual substances are all classified as readily biodegradable.
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## 12.3. Bioaccumulative potential

Bioaccumulative potential	No data available on bioaccumulation.
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## 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	Fatty alcohol ethoxylate
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.
National regulations	Regulation 184/2002 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

Regulation (EC) No 1907/2006 of the European Parliament and of the Council of 18 December 2006 concerning the Registration, Evaluation, Authorisation and Restriction of Chemicals (REACH), establishing a European Chemicals Agency, amending Directive 1999/45/EC and repealing Council Regulation (EEC) No 793/93 and Commission Regulation (EC) No 1488/94 as well as Council Directive 76/769/EEC and Commission Directives 91/155/EEC, 93/67/EEC, 93/105/EC and 2000/21/EC, including amendments.

**15.2. Chemical safety assessment**

## Chemical safety assessment performed

No

**SECTION 16: Other information**

## List of relevant H-phrases (Section 2 and 3)

H302 Harmful if swallowed.  
H315 Causes skin irritation.  
H318 Causes serious eye damage.

## Abbreviations and acronyms used

CLP: Classification, labelling and packaging  
GHS: Globally Harmonized System.  
DNEL: Derived No Effect Limit (afleidd áhrifaleysismörk).  
PBT: Persistent, Bioaccumulative and Toxic  
PNEC: Predicted No Effect Concentration  
vPvB: Very Persistent and very Bioaccumulative  
REACH: Registration, Evaluation, Authorization and Restriction of Chemicals.

## Version

3

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