

## SAFETY DATA SHEET

## Rúðuhreinsir

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 04.03.2015

Revision date 31.08.2021

**1.1. Product identifier**

Product name Rúðuhreinsir

Article no. 2268004, 2268006, 2268008, 2268009

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

Use of the substance / mixture Cleaning agent.

**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 [tandur@tandur.is](mailto:tandur@tandur.is)

Website [www.tandur.is](http://www.tandur.is)

**1.4. Emergency telephone number**

Emergency telephone Telephone number: (+354)-543-2222  
Description: POISON CENTER EMERGENCY#

Telephone number: 112  
Description: POISON CENTER EMERGENCY#

**SECTION 2: Hazards identification****2.1. Classification of the substance or mixture**

Classification according to  
Regulation (EC) No 1272/2008  
[CLP / GHS]

Flam. Liq. 3; H226

## 2.2. Label elements

### Hazard pictograms (CLP)



Signal word

Warning

Hazard statements

H226 Flammable liquid and vapour.

Precautionary statements

P210 Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking.

## 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
Ethanol	CAS No.: 64-17-5 EC No.: 200-578-6 Index No.: 603-002-00-5 REACH Reg. No.: 01-211945761	Flam. Liq. 2; H225 Eye Irrit. 2; H319	15 - 30 % 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	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	If skin irritation occurs: Get medical advice/attention.
Eye contact	Promptly wash eyes with plenty of water while lifting the eye lids. Get medical attention immediately!
Ingestion	Rinse mouth thoroughly. Drink a few glasses of water or milk. Get immediate medical advice/attention.
Recommended personal protective equipment for first aid responders	Use personal protective equipment as required.

### 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.
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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	Use personal protective equipment as required.
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.
Personal protection measures	Wear protective gloves / protective clothing / eye protection / face protection.
Hazardous combustion products	Not known.
For emergency responders	Wear protective clothing as described in Section 8 of this safety data sheet. Call a POISON CENTER or doctor/physician if you feel unwell.

### 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

#### 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
Ethanol	CAS No.: 64-17-5	Limit value (8 h) : 1000 ppm Limit value (8 h) : 1920 mg/m <sup>3</sup>	TWA Year: 2011

## DNEL / PNEC

Substance	Ethanol
DNEL	<p><b>Group:</b> Worker  <b>Route of exposure:</b> Long term (repeated) - Inhalation - Systemic effect  <b>Value:</b> 950 mg/m<sup>3</sup></p> <p><b>Group:</b> Worker  <b>Route of exposure:</b> Long term (repeated) - Dermal - Systemic effect  <b>Value:</b> 343 mg/kg bw/day</p>
PNEC	<p><b>Route of exposure:</b> Water  <b>Value:</b> 0,79 mg/l  <b>Reference:</b> Marine water</p> <p><b>Route of exposure:</b> Sewage treatment plant STP  <b>Value:</b> 580 mg/l</p> <p><b>Route of exposure:</b> Water  <b>Value:</b> 0,96 mg/l  <b>Reference:</b> Fresh water</p>

## 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.

## Eye / face protection

Eye protection

Use approved safety glasses, goggles or face shield. Safety glasses should have side shields.

Reference to relevant standard

EN 166

## Hand protection

Hand protection

Protective gloves are recommended.

## 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	Blue.
pH	Status: In delivery state Value: ~ 7 - 8 Temperature: ~ 20 °C
Melting point / melting range	Comments: Not determined.
Boiling point / boiling range	Comments: Not determined.
Vapour density	Comments: Not determined.
Relative density	Value: = 0,97 g/ml Temperature: ~ 20 °C
Solubility in water	Fully miscible.
Viscosity	Comments: Not determined.

### 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.
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### 10.3. Possibility of hazardous reactions

Possibility of hazardous reactions	No hazardous reactions known under normal storage and use conditions.
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### 10.4. Conditions to avoid

Conditions to avoid	None known under normal storage and use conditions.
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### 10.5. Incompatible materials

Materials to avoid	None in particular.
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### 10.6. Hazardous decomposition products

Hazardous decomposition products	No hazardous decomposition products.
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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	Engin áhrif við alla venjulega notkun.
Skin contact	Getur haft væg ertandi áhrif í einhverjum tilvikum.
Eye contact	Irritating.
Ingestion	May cause irritation to the mouth and throat.
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	Ethanol
Aquatic toxicity, fish	<b>Value:</b> = 14,2 g/L <b>Test duration:</b> 96 h <b>Species:</b> Pimephales promelas <b>Method:</b> US EPA method E03-05
Substance	Ethanol
Aquatic toxicity, algae	<b>Value:</b> = 22,6 g/L <b>Test duration:</b> 9 d

	<b>Species:</b> Nostoc species <b>Method:</b> OECD Guideline 201
Substance	Ethanol
Aquatic toxicity, crustacean	<b>Value:</b> = 5012 mg/l <b>Test duration:</b> 48 h <b>Species:</b> Ceriodaphnia dubia <b>Method:</b> ASTM E729-80

## 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	The product does not contain any substances expected to be bioaccumulating.
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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	Ethanol
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
Hazardous waste product	Avoid release to the environment.
Hazardous waste packing	Avoid release to the environment.
EWC waste code	EWC: 070601 aqueous washing liquids and mother liquors
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

Reglugerð nr. 1907/2006 og síðan 750/2008 um skráningu, mat, leyfisveitingu og takmarkanir er varða efni (efnareglur REACH).

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).

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).

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 tækni framförum.

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.

**15.2. Chemical safety assessment**

## Chemical safety assessment performed

No

**SECTION 16: Other information**

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

H225 Highly flammable liquid and vapour.

H226 Flammable liquid and vapour.

H319 Causes serious eye irritation.

## Abbreviations and acronyms used

CLP: Classification, labelling and packaging

GHS: Globally Harmonized System.

DNEL: Derived No Effect Limit (afleidd áhrifaleysismark).

PBT: Persistent, Bioaccumulative and Toxic

PNEC: Predicted No Effect Concentration

vPvB: Very Persistent and very Bioaccumulative

REACH: Registration, Evaluation, Authorization and Restriction of Chemicals.

## Information added, deleted or revised

31.8.2021:

Section 2: hazard statement changed and precautionary statements.

## Revision responsible

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Version	2
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