

## SAFETY DATA SHEET

# SÝRUSÁPA Nr. 1

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 05.03.2014

Revision date 25.08.2021

#### 1.1. Product identifier

Product name SÝRUSÁPA Nr. 1

Article no. 1472074, 1472076, 1472079

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

Use of the substance / mixture Food process cleaner.  
Descaling agent.

Industrial use Yes

Professional use Yes

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

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

#### 1.4. Emergency telephone number

Emergency telephone Telephone number: 543-2222  
Description: EITRUNARMÍÐSTÖÐ

Telephone number: 112  
Description: NEYÐARNÚMÉR

## 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  
Skin Corr. 1B; H314

### 2.2. Label elements

#### Hazard pictograms (CLP)



Composition on the label	Phosphoric acid 30 - 50 % wt/wt
Signal word	Danger
Hazard statements	H314 Causes severe skin burns and eye damage.
Precautionary statements	<p>P260 Do not breathe dust / fume / gas / mist / vapours / spray.</p> <p>P264 Wash hands thoroughly after handling.</p> <p>P280 Wear protective gloves / protective clothing / eye protection / face protection.</p> <p>P301+P330+P331 IF SWALLOWED: Rinse mouth. Do NOT induce vomiting.</p> <p>P303+P361+P353 IF ON SKIN (or hair): Remove / Take off immediately all contaminated clothing. Rinse skin with water / shower.</p> <p>P304+P340 IF INHALED: Remove person to fresh air and keep comfortable for breathing.</p> <p>P305+P351+P338 IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.</p> <p>P310 Immediately call a POISON CENTER or doctor / physician.</p> <p>P321 Specific treatment (see on this label).</p> <p>P405 Store locked up.</p> <p>P501 Dispose of contents / container to a certified recipient of toxic/hazardous waste.</p>

### 2.3. Other hazards

PBT / vPvB	This product does not contain any PBT or vPvB substances.
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## SECTION 3: Composition / information on ingredients

### 3.2. Mixtures

Substance	Identification	Classification	Contents	Notes
Phosphoric acid	CAS No.: 7664-38-2	Skin Corr. 1B; H314	30 - 50 % wt/wt	
	EC No.: 231-633-2	Eye Dam. 1; H318		
	Index No.: 015-011-00-6	Met. Corr. 1; H290		
	REACH Reg. No.:	Acute Tox. 4; H302		
	01-2119485924-24-0001	Note : B		
C9-11 Alcohol ethoxylate	CAS No.: 68439-46-3	Eye Dam. 1; H318	1 - 5 % wt/wt	
	EC No.: 614-482-0			

## SECTION 4: First aid measures

### 4.1. Description of first aid measures

General	Show this sheet or relevant SDS to the doctor in attendance.
Inhalation	If breathing is difficult, remove victim to fresh air and keep at rest in a position comfortable for breathing. Get immediate medical advice/attention.
Skin contact	Flush skin thoroughly with water. Take off contaminated clothing and wash before reuse. 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 immediate medical advice/attention. Continue flushing during transport to hospital.
Ingestion	Rinse mouth thoroughly. Drink a few glasses of water or milk. Immediately call a POISON CENTER or doctor/physician.
Recommended personal protective equipment for first aid responders	Wear protective gloves / protective clothing / eye protection / face protection.

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

Information for health personnel	CORROSIVE PRODUCT: Contains PHOSPHORIC ACID. IF IN EYES: Remember to remove lenses if they are present. Ask patient. Continue eye rinsing/treatment. Call an eye specialist in all cases.
Acute symptoms and effects	Causes severe skin burns and eye damage. Ingestion will result in strong caustic effect on mouth and throat and to the danger of perforation of oesophagus and stomach. IF INHALED: No known effects from normal usage.

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

## SECTION 5: Firefighting measures

### 5.1. Extinguishing media

Suitable extinguishing media	Carbon dioxide. Dry powder. Water spray jet. Fight larger fires with water spray jet or alcohol-resistant foam.
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### 5.2. Special hazards arising from the substance or mixture

### 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

Personal protection measures	Wear protective gloves / protective clothing / eye protection / face protection.
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For emergency responders	Call a POISON CENTER or doctor/physician if you feel unwell.
	Wear protective gloves / protective clothing / eye protection / face protection. Call a POISON CENTER or doctor/physician if you feel unwell.

## 6.2. Environmental precautions

Environmental precautionary measures	Avoid release to the environment. Collect spillage.
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## 6.3. Methods and material for containment and cleaning up

Cleaning method	Collect spillage.
Containment	Store in a closed container.

## 6.4. Reference to other sections

Other instructions	See section 8.2
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# SECTION 7: Handling and storage

## 7.1. Precautions for safe handling

Handling	First-aid equipment, including eye wash bottle, must be available at the work site.
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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	Corrosive storage. Keep in original container. Store protected from acids. Keep container tightly closed. Keep away from food, drink and animal feeding stuffs.
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## Conditions for safe storage

Advice on storage compatability	Acids.
Storage temperature	Value: 0 -20 °C

## 7.3. Specific end use(s)

Specific use(s)	See 1.2
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# SECTION 8: Exposure controls / personal protection

## 8.1. Control parameters

Substance	Identification	Exposure limits	TWA Year
Phosphoric acid	CAS No.: 7664-38-2	Limit value (8 h) : 1 mg/m <sup>3</sup>	TWA Year: 2011
		<b>Limit value (short term)</b>	
		Value: 2 mg/m <sup>3</sup>	

Limit value (8 h) : 1 mg/m<sup>3</sup>**Limit value (short term)**Value: 2 mg/m<sup>3</sup>

C9-11 Alcohol ethoxylate

CAS No.: 68439-46-3

**DNEL / PNEC**

Substance	Phosphoric acid
DNEL	<b>Group:</b> Professional <b>Route of exposure:</b> Long term (repeated) - Inhalation - Systemic effect <b>Value:</b> 3,1 mg/m <sup>3</sup>  <b>Group:</b> Professional <b>Route of exposure:</b> Long term (repeated) - Inhalation - Local effect <b>Value:</b> 2,92 mg/m <sup>3</sup>  <b>Group:</b> Professional <b>Route of exposure:</b> Long term (repeated) - Dermal - Systemic effect <b>Value:</b> 17,4 mg/kg
PNEC	<b>Route of exposure:</b> Water <b>Value:</b> 0,17 mg/l <b>Reference:</b> Marine water  <b>Route of exposure:</b> Water <b>Value:</b> 1,7 mg/l <b>Reference:</b> Freshwater

**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.

**Safety signs****Precautionary measures to prevent exposure**

Instruction on measures to prevent exposure

Secure access of workers to safety information.

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 goggles or face shield. Safety glasses should have side shields.

Suitable eye protection

Öryggisglæraugu skulu vera með hliðarhlífum.

Reference to relevant standard	EN 166
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## Hand protection

Hand protection	Wear protective gloves.
Skin- / hand protection, short term contact	Bútýlgúmmí: Gegndræpi: $\geq 480$ mín Þykkt: $\geq 0,7$ mm
Suitable gloves type	Butyl rubber. Nítrilhanskar Chloroprene rubber. Rubber (natural, latex).
Thickness of glove material	Value: $\geq 0,4$ mm
Reference to relevant standard	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.
Tasks needing respiratory protection	Not determined.

## 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	Colourless liquid.
Colour	Yellowish.
Odour	Acidic.
pH	Value: $< 2$ Test reference: Undiluted Temperature: $20\text{ }^{\circ}\text{C}$
Bulk density	Value: $= 1,20\text{ g/ml}$ Temperature: $\sim 20\text{ }^{\circ}\text{C}$
Solubility in water	Fully miscible.

### 9.2. Other information

#### Physical hazards

Metal corrosion	Corrosive to aluminium and other light metals.
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## SECTION 10: Stability and reactivity

### 10.1. Reactivity

Reactivity	No specific reactivity hazards associated with this product.
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### 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	Contact with products or mixtures containing chlorine bleach or sodium hypochlorite will release toxic chlorine gas.
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### 10.4. Conditions to avoid

Conditions to avoid	Reacts with alkalis and generates heat. Do not mix with products containing chlorine bleach of any kind. That will lead to the formation of toxic chlorine gas.
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### 10.5. Incompatible materials

Materials to avoid	Strong alkalis.
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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

Substance	Phosphoric acid
Acute toxicity	<p><b>Type of toxicity:</b> Acute  <b>Effect tested:</b> LD50  <b>Route of exposure:</b> Dermal  <b>Value:</b> &gt; 1260 mg/kg</p> <p><b>Type of toxicity:</b> Acute  <b>Effect tested:</b> LC50  <b>Route of exposure:</b> Inhalation.  <b>Duration:</b> 4 h  <b>Value:</b> = 25,5 mg/m<sup>3</sup>  <b>Animal test species:</b> Mouse</p> <p><b>Type of toxicity:</b> Acute  <b>Effect tested:</b> LD50  <b>Route of exposure:</b> Oral  <b>Value:</b> = 1530 mg/kg  <b>Animal test species:</b> Rat</p> <p><b>Type of toxicity:</b> Acute  <b>Effect tested:</b> LD<sub>50</sub>  <b>Route of exposure:</b> Oral</p>

Substance	<b>Value:</b> = 220 mg/kg C9-11 Alcohol ethoxylate
Acute toxicity	<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  <b>Type of toxicity:</b> Acute <b>Effect tested:</b> LD50 <b>Route of exposure:</b> Dermal <b>Value:</b> > 2000 mg/kg

### Other information regarding health hazards

Mutagenicity	No information available on mixture. However, studies have not shown any indication of mutagenicity of individual substances in the mixture.
Carcinogenicity, other information	This substance has no evidence of carcinogenic properties.
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

Comments	See 4.1
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## SECTION 12: Ecological information

### 12.1. Toxicity

Substance	C9-11 Alcohol ethoxylate
Aquatic toxicity, fish	<b>Value:</b> ~ 1 - 10 mg/l <b>Test duration:</b> 96 h
Substance	C9-11 Alcohol ethoxylate
Aquatic toxicity, algae	<b>Value:</b> ~ 1 - 10 mg/l <b>Test duration:</b> 72 h
Substance	C9-11 Alcohol ethoxylate
Aquatic toxicity, crustacean	<b>Value:</b> ~ 1 - 10 mg/l <b>Test duration:</b> 48 h <b>Species:</b> Daphnia Magna

### 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

### 12.4. Mobility in soil



## 12.5. Results of PBT and vPvB assessment

Substance	Phosphoric acid
PBT assessment results	Data lacking.
Substance	C9-11 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

EWC waste code	EWC waste code: 200114 acids
Other information	Disposal to licensed waste disposal site in accordance with local Waste Disposal Authority.

# SECTION 14: Transport information

## 14.1. UN number

ADR/RID/ADN	1805
IMDG	1805
ICAO/IATA	1805

## 14.2. UN proper shipping name

ADR/RID/ADN	PHOSPHORIC ACID, SOLUTION
IMDG	PHOSPHORIC ACID SOLUTION
ICAO/IATA	PHOSPHORIC ACID, SOLUTION

## 14.3. Transport hazard class(es)

ADR/RID/ADN	8
IMDG	8
ICAO/IATA	8

## 14.4. Packing group

ADR/RID/ADN	III
IMDG	III
ICAO/IATA	III

## 14.5. Environmental hazards

## 14.6. Special precautions for user

## 14.7. Maritime transport in bulk according to IMO instruments

### ADR/RID Other information

Hazard No.	80
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### IMDG Other information

EmS	F-A, S-B
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## SECTION 15: Regulatory information

### 15.1. Safety, health and environmental regulations / legislation specific for the substance or mixture

Legislation and regulations	<p>This safety datasheet is in compliance with the following EU legislation and its adaptations - as far as applicable:</p> <p>Regulation 1907/2006 and later 750/2008 concerning the Registration, Evaluation, Authorisation and Restriction of Chemicals (REACH). Amendments on Annex II of the REACH regulation with EU regulation 453/2010.</p> <p>Regulation (EC) No. 1272/2008 on classification, labelling and packaging of substances and mixtures which replaces EU legislations 67/548/EEC and 1999/45/EC and changes regulation No. 1907/2006.</p>
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### 15.2. Chemical safety assessment

Chemical safety assessment performed	No
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## SECTION 16: Other information

List of relevant H-phrases (Section 2 and 3)	<p>H290 May be corrosive to metals.</p> <p>H302 Harmful if swallowed.</p> <p>H314 Causes severe skin burns and eye damage.</p> <p>H318 Causes serious eye damage.</p>
Abbreviations and acronyms used	<p>GHS: Globally Harmonized System</p> <p>CLP: Classification, labelling and packaging</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>
Information added, deleted or revised	<p>29.3.2021:</p> <p>Section 2: Applicable precautionary statements were added.</p> <p>All sections: Phrases which were in Icelandic were changed to English.</p> <p>25.8.2021:</p> <p>Section 1: Article numbers updated.</p>
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