

**Phenolphtalein 2 % (70 % ipa)**

Date 11.4.2022

Previous date: 15.6.2011

**1. IDENTIFICATION OF THE SUBSTANCE/MIXTURE AND OF THE COMPANY/UNDERTAKING****1.1 Product identifier****1.1.1 Commercial Product Name**

Phenolphtalein 2 % (70 % ipa)

**1.1.2 Product code**FF040 250 ML  
UFI KF30-Q03N-T00R-9CWS**1.2 Relevant identified uses of the substance or mixture and uses advised against****1.2.1 Recommended use**

Laboratory chemical

**1.3 Details of the supplier of the safety data sheet****1.3.1 Supplier**

Oy FF-Chemicals Ab

**Street address**

Teollisuustie 4

**Postcode and post office**

FI-90830 HAUKIPUDAS

Finland

**Telephone**

+358 8 5563 193

**Telefax**

+358 8 5563 194

**Business ID**

05851808

**Email**

ffc@ff-chemicals.fi

**1.4 Emergency telephone number****1.4.1 Telephone number, name and address**

Please contact the Emergency Centre in your own country.

**2. HAZARDS IDENTIFICATION****2.1 Classification of the substance or mixture****1272/2008 (CLP)**Carc. 1B, H350  
Flam. Liq. 2, H225  
Eye Irrit. 2, H319  
STOT SE 3, H336**2.2 Label elements****1272/2008 (CLP)**

GHS08 - GHS07 - GHS02

Signal word

**Danger****Hazard Statements**H350 May cause cancer.  
H225 Highly flammable liquid and vapour.  
H319 Causes serious eye irritation.  
H336 May cause drowsiness or dizziness.**Precautionary Statements**P210 Keep away from heat/sparks/open flames/hot surfaces. - No smoking.  
P281 Use personal protective equipment as required.  
P305+P351+P338 IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.  
P308+P313 IF exposed or concerned: Get medical advice/attention.**2.3 Other hazards**

This mixture does not contain any substances that are assessed to be a PBT or a vPvB.

**3. COMPOSITION/INFORMATION ON INGREDIENTS****3.2 Mixtures**

**Phenolphtalein 2 % (70 % ipa)**

Date 11.4.2022

Previous date: 15.6.2011

<b>Hazardous components</b>				
<b>CAS/EC and Reg.number</b>	<b>EINECS</b>	<b>Chemical name of the substance</b>	<b>Concentration</b>	<b>Classification</b>
67-63-0	200-661-7	Propan-2-ol	70 %	Flam. Liq. 2, H225; Eye Irrit. 2, H319; STOT SE 3, H336
77-09-8	201-004-7	Phenolphtalein	2 %	Muta. 2, H341; Carc. 1B, H350; Repr. 2, H361f SVHC candidate list Substances meeting the criteria referred to in Article 57 and for eventual inclusion in Annex XIV Carc. A57a Carcinogenic

**3.3 Other information**

The full text of hazard statements are given in chapter 16.

**4. FIRST AID MEASURES****4.1 Description of first aid measures**

Consult a physician after significant exposure. In the case of inhalation of aerosol/mist consult a physician if necessary. Move to fresh air in case of accidental inhalation of vapours or decomposition products. If on clothes, remove clothes.

**4.1.2 Inhalation**

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

**4.1.3 Skin contact**

Rinse cautiously with water for several minutes. Remove/Take off immediately all contaminated clothing.

**4.1.4 Eye contact**

Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.

**4.1.5 Ingestion**

Rinse mouth. If swallowed, seek medical advice immediately and show this container or label.

**4.2 Most important symptoms and effects, both acute and delayed**

Causes serious eye irritation. May cause drowsiness or dizziness.

**4.3 Indication of immediate medical attention and special treatment needed**

If exposed or if you feel unwell: Call a POISON CENTER or doctor/physician.

**5. FIREFIGHTING MEASURES**

Highly flammable liquid and vapour.

**5.1 Extinguishing media****5.1.1 Suitable extinguishing media**

Use water spray, alcohol-resistant foam, dry chemical or carbon dioxide.

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

Special exposure hazards arising from the substance or mixture itself, combustion products, resulting gases.

**5.3 Advice for firefighters**

In the event of fire and/or explosion do not breathe fumes.

**5.4 Specific methods**

Use a water spray to cool fully closed containers.

**6. ACCIDENTAL RELEASE MEASURES****6.1 Personal precautions, protective equipment and emergency procedures**

Use personal protective equipment as required. Ensure adequate ventilation. Eliminate all ignition sources if safe to do so.

**6.2 Environmental precautions**

Avoid release to the environment.

**Phenolphtalein 2 % (70 % ipa)**

Date 11.4.2022

Previous date: 15.6.2011

**6.3 Methods and materials for containment and cleaning up**

Contain spillage, soak up with non-combustible absorbent material, (e.g. sand, earth, diatomaceous earth, vermiculite) and transfer to a container for disposal according to local / national regulations (see section 13).

**6.4 Reference to other sections**

4, 8, 13.

**7. HANDLING AND STORAGE****7.1 Precautions for safe handling**

Avoid prolonged or repeated breathing of vapour. Avoid prolonged or repeated contact with skin. Keep away from open flames, hot surfaces and sources of ignition. Take measures to prevent the build up of electrostatic charge.

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

Keep containers tightly closed in a cool, well-ventilated place.

**7.3 Specific end use(s)**

-

**8. EXPOSURE CONTROLS/PERSONAL PROTECTION****8.1 Control parameters****8.1.1 Threshold limits**

67-63-0	Propan-2-ol	200 ppm (8 h)	250 ppm (15 min)
		500 mg/m <sup>3</sup> (8 h)	620 mg/m <sup>3</sup> (15 min)

**8.1.2 Other information on limit values**

Finnist limit value above.

**8.2 Exposure controls****8.2.1 Appropriate engineering controls**

Provide adequate ventilation. Skin should be washed after contact. Remove and wash contaminated clothing before re-use. Ensure that eye flushing systems and safety showers are located close to the working place.

**8.2.2 Individual protection measures****8.2.2.1 Respiratory protection**

In case of inadequate ventilation wear respiratory protection. respirator with A filter.

**8.2.2.2 Hand protection**

Protective gloves complying with EN 374.

**8.2.2.3 Eye/face protection**

Safety glasses with side-shields conforming to EN166.

**8.2.2.4 Skin protection**

Lab coat

**8.2.3 Environmental exposure controls**

Avoid release to the environment.

**9. PHYSICAL AND CHEMICAL PROPERTIES****9.1 Important Health Safety and Environmental Information****9.1.1 Appearance**

Liquid

**9.1.2 Odour**

Alcohol-like

**9.1.3 Odour threshold**

No data available.

**9.1.4 pH**

No data available.

**9.1.5 Melting point/freezing point**

- 29 °C

**9.1.6 Initial boiling point and boiling range**

No data available.

**9.1.7 Flash point**

~ 18 °C

**9.1.8 Evaporation rate**

2,9 (propan-2-ol; n-butylacetat=1)

**Phenolphtalein 2 % (70 % ipa)**

Date 11.4.2022

Previous date: 15.6.2011

<b>9.1.9</b>	<b>Flammability (solid, gas)</b>	Highly flammable liquid and vapour.
<b>9.1.10</b>	<b>Explosive properties</b>	
<b>9.1.10.1</b>	<b>Lower explosion limit</b>	2 til-% (propan-2-ol)
<b>9.1.10.2</b>	<b>Upper explosion limit</b>	12 til-% (propan-2-ol)
<b>9.1.11</b>	<b>Vapour pressure</b>	4,3 kPa (20 °C, propan-2-ol)
<b>9.1.12</b>	<b>Vapour density</b>	2,07 (propan-2-ol; air = 1)
<b>9.1.14</b>	<b>Solubility(ies)</b>	
<b>9.1.14.1</b>	<b>Water solubility</b>	Soluble
<b>9.1.15</b>	<b>Partition coefficient: n-octanol/water</b>	logP < 3
<b>9.1.16</b>	<b>Auto-ignition temperature</b>	No data available.
<b>9.1.17</b>	<b>Decomposition temperature</b>	No data available.
<b>9.1.18</b>	<b>Viscosity</b>	No data available.
<b>9.1.19</b>	<b>Explosive properties</b>	No data available.
<b>9.1.20</b>	<b>Oxidising properties</b>	No data available.
<b>9.2</b>	<b>Other information</b>	-

**10. STABILITY AND REACTIVITY**

- 10.1 Reactivity**  
Highly flammable liquid and vapour.
- 10.2 Chemical stability**  
The product is chemically stable.
- 10.3 Possibility of hazardous reactions**  
No information available.
- 10.4 Conditions to avoid**  
Heating can release vapours which can be ignited.
- 10.5 Incompatible materials**  
Strong oxidizing agents.
- 10.6 Hazardous decomposition products**  
Carbon oxides.

**11. TOXICOLOGICAL INFORMATION**

- 11.1 Information on toxicological effects**
- 11.1.1 Acute toxicity**  
Not classified.  
Propan-2-ol:  
LD50/oral/rat = 5 045 mg/kg  
LD50/dermal/rabbit = 12 800 mg/kg  
LC50/inhalation/4h/rat = 46 000 - 73 000 mg/m<sup>3</sup>
- 11.1.2 Irritation and corrosion**  
Causes serious eye irritation.
- 11.1.3 Sensitisation**  
Not classified.
- 11.1.4 Subacute, subchronic and prolonged toxicity**  
May cause cancer.
- 11.1.5 STOT-single exposure**  
May cause drowsiness or dizziness.
- 11.1.6 STOT-repeated exposure**  
Not classified.

**Phenolphthalein 2 % (70 % ipa)**

Date 11.4.2022

Previous date: 15.6.2011

**11.1.7 Aspiration hazard**

Not classified.

**11.1.8 Other information on acute toxicity**

-

**12. ECOLOGICAL INFORMATION****12.1 Toxicity****12.1.1 Aquatic toxicity**

Not classified.

Propan-2-ol:

LC50/48h/golden orfe = (Leuciscus idus - melanotus) = 8 970 mg/l

EC50/48h/daphnia = 13 300 mg/l

**12.1.2 Toxicity to other organisms**

Propan-2-ol:

EC10/18h/bacteria = (Pseudomonas putida) = 5 175 mg/l

**12.2 Persistence and degradability****12.2.1 Biodegradation**

Propan-2-ol:

BOD20/ThOD = 78 %; Biodegradable

**12.3 Bioaccumulative potential**

Bioaccumulation is unlikely.

**12.4 Mobility in soil**

Soluble in cold water.

**12.5 Results of PBT and vPvB assessment**

Not classified.

**12.6 Other adverse effects**

Avoid release to the environment.

**13. DISPOSAL CONSIDERATIONS****13.1 Waste treatment methods**

Observe local regulations. Handle as hazardous waste.

16 05 06\* laboratory chemicals consisting of or containing dangerous substances including mixtures of laboratory chemicals

**14. TRANSPORT INFORMATION**

<b>14.1</b>	<b>UN number</b>	UN1219
<b>14.2</b>	<b>UN proper shipping name</b>	ISOPROPANOL
<b>14.3</b>	<b>Transport hazard class(es)</b>	3
<b>14.4</b>	<b>Packing group</b>	II
<b>14.5</b>	<b>Environmental hazards</b>	-
<b>14.6</b>	<b>Special precautions for users</b>	EmS F-E S-D
<b>14.7</b>	<b>Transport in bulk according to Annex II of MARPOL 73/78 and the IBC Code</b>	-

**15. REGULATORY INFORMATION****15.1 Safety, health and environmental regulations/legislation specific for the substance or mixture**

REACH-regulation

CLP-regulation

**Phenolphtalein 2 % (70 % ipa)**

Date 11.4.2022

Previous date: 15.6.2011

**15.2 Chemical safety assessment**

-

**16. OTHER INFORMATION****16.3 Key literature references and sources for data**

ECHA C&amp;L Inventory

**16.5 List of relevant R phrases, hazard statements, safety phrases and/or precautionary statements**

H225	Highly flammable liquid and vapour.
H319	Causes serious eye irritation.
H336	May cause drowsiness or dizziness.
H341	Suspected of causing genetic defects.
H350	May cause cancer.
H361	Suspected of damaging fertility.

**16.6 Training advice**

Handling of hazardous chemicals.

**16.8 Additional information available from:**

Oy FF-Chemicals Ab, Tel. +358 8-5563 193  
ffc@ff-chemicals.fi

The information contained herein is based on the present state of our knowledge and does therefore not guarantee certain properties.