

Phenolphthalein 1 w/v-% in Ethanol

Date 9.9.2022

Previous date: 13.4.2011

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

Phenolphthalein 1 w/v-% in Ethanol

1.1.2 Product codeFF2086 250 ML
UFI A3S5-809V-G008-QU5S**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)**

Flam. Liq. 2, H225

Carc. 1B, H350

2.2 Label elements**1272/2008 (CLP)**

GHS08 - GHS02

Signal word

Danger**Hazard Statements**

H225

Highly flammable liquid and vapour.

H350

May cause cancer.

Precautionary Statements

P202

Do not handle until all safety precautions have been read and understood.

P210

Keep away from heat/sparks/open flames/hot surfaces. - No smoking.

P280

Wear protective gloves/protective clothing/eye protection/face protection.

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****Hazardous components****CAS/EC and
Reg.number****EINECS****Chemical name of the
substance****Concentration****Classification**

64-17-5

200-578-6

Ethanol

70 %

Flam. Liq. 2, H225

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77-09-8

201-004-7

Phenolphthalein

1 %

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

May cause cancer.

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**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

Highly flammable liquid and vapour. In case of insufficient ventilation and/or in use, may form flammable/explosive vapour/air mixture. Solvent vapours are heavier than air and may spread along floors. In case of fire may be liberated: Carbon monoxide (CO), Carbon dioxide (CO₂).

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.

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

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Personal protective equipment: see section 8.
Disposal considerations: see section 13.

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

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)

No information available.

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

64-17-5	Ethanol	1000 ppm (8 h)	1300 ppm (15 min)
		1900 mg/m ³ (8 h)	2500 mg/m ³ (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.

8.2.2 Individual protection measures**8.2.2.1 Respiratory protection**

In case of inadequate ventilation wear respiratory protection. respirator with A filter against organic gases and vapours.

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

No data available.

9.1.6 Initial boiling point and boiling range

No data available.

9.1.7 Flash point

17 °C

9.1.8 Evaporation rate

No data available.

9.1.9 Flammability (solid, gas)

Highly flammable liquid and vapour.

9.1.10 Explosive properties**9.1.10.1 Lower explosion limit**

No data available.

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9.1.10.2	Upper explosion limit	No data available.
9.1.11	Vapour pressure	No data available.
9.1.12	Vapour density	No data available.
9.1.14	Solubility(ies)	
9.1.14.1	Water solubility	Soluble
9.1.15	Partition coefficient: n-octanol/water	No data available.
9.1.16	Auto-ignition temperature	No data available.
9.1.17	Decomposition temperature	No data available.
9.1.18	Viscosity	No data available.
9.1.19	Explosive properties	No data available.
9.1.20	Oxidising properties	No data available.
9.2	Other information	No data available.

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**
Based on available data, the classification criteria are not met.
Ethanol:
LD50/oral/rat: 7.060 mg/kg
LC50/inhalation/rat: 95.6 mg/l
- 11.1.2 Irritation and corrosion**
Based on available data, the classification criteria are not met.
- 11.1.3 Sensitisation**
Based on available data, the classification criteria are not met.
- 11.1.4 Subacute, subchronic and prolonged toxicity**
May cause cancer.
- 11.1.5 STOT-single exposure**
Based on available data, the classification criteria are not met.
- 11.1.6 STOT-repeated exposure**
Based on available data, the classification criteria are not met.
- 11.1.7 Aspiration hazard**
Based on available data, the classification criteria are not met.
- 11.1.8 Other information on acute toxicity**

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The substance/mixture does not contain components considered to have endocrine disrupting properties according to REACH Article 57(f) or Commission Delegated regulation (EU) 2017/2100 or Commission Regulation (EU) 2018/605 at levels of 0.1% or higher.

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

Based on available data, the classification criteria are not met.

Ethanol:

LC50/96h: (Leuciscus idus): 8.140 mg/l

12.2 Persistence and degradability**12.2.1 Biodegradation**

Ethanol:

94 % biodegradable

12.3 Bioaccumulative potential

Does not significantly accumulate in organisms.

12.4 Mobility in soil

No data available.

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

14.1 UN number	UN1170
14.2 UN proper shipping name	Ethanol solution
14.3 Transport hazard class(es)	3
14.4 Packing group	II
14.5 Environmental hazards	No
14.6 Special precautions for users	No data available.
14.7 Transport in bulk according to Annex II of MARPOL 73/78 and the IBC Code	Not applicable.

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

REACH-regulation

CLP-regulation

15.2 Chemical safety assessment

For this product a chemical safety assessment was not carried out.

16. OTHER INFORMATION

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16.3 Key literature references and sources for data

ECHA C&L Inventory
Finnish occupational exposure limit values

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

H225	Highly flammable liquid and vapour.
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.