

METHYL ORANGE 0,1 w/v-% Ph.Eur.

Date 3.12.2016

Previous date: 12.9.2011

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

METHYL ORANGE 0,1 w/v-% Ph.Eur.

1.1.2 Product code

FF093 50 ML;FF093 500 ML

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

90830 Haukipudas

Telephone

+358 8 5563 193

Telefax

+358 8 5563 194

Email

ffc@ff-chemicals.fi

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

Emergency telephone number 112.

2. HAZARDS IDENTIFICATION**2.1 Classification of the substance or mixture****1272/2008 (CLP)**

Flam. Liq. 3, H226

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

GHS02

Signal word

Warning**Hazard Statements**

H226

Flammable liquid and vapour.

Precautionary Statements

P210

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

P280

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

2.3 Other hazards

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**3. COMPOSITION/INFORMATION ON INGREDIENTS****3.2 Mixtures****Hazardous components****CAS/EC and Reg. number****Chemical name of the substance****Concentration Classification**

64-17-5

Ethanol

20 %

Flam. Liq. 2, H225

547-58-0

Methyl orange

0,1 %

Acute Tox. 3, H301

3.3 Other information

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

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

Remove person to fresh air. If symptoms continue, get medical attention. If on clothes, remove clothes.

4.1.2 Inhalation

Move to fresh air.

4.1.3 Skin contact

In case of contact, immediately flush skin with plenty of water.

4.1.4 Eye contact

Irrigate copiously with clean, fresh water for at least 10 minutes, holding the eyelids apart. Get medical attention immediately if irritation develops and persists.

4.1.5 Ingestion

Rinse mouth with water. Contact a poison centre.

4.2 Most important symptoms and effects, both acute and delayed

Nausea.

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. If medical advice is needed, have product container or label at hand.

5. FIREFIGHTING MEASURES

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

Vapours may form explosive mixtures with air. Vapours are heavier than air and may spread along floors.

5.3 Advice for firefighters

In the event of fire 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**

Beware of vapours accumulating to form explosive concentrations. Vapours can accumulate in low areas. Remove all sources of ignition.

6.2 Environmental precautions

Should not be released into 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

4, 8, 13.

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

Avoid breathing vapours, mist or gas. Do not get on skin or clothing. Keep away from open flames, hot surfaces and sources of ignition.

7.2 Conditions for safe storage, including any incompatibilities

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Keep container tightly closed. Keep container in a well-ventilated place. Keep away from sources of ignition - No smoking.

7.3 Specific end use(s)

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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)

8.2 Exposure controls**8.2.1 Appropriate engineering controls**

Provide adequate ventilation. Remove and wash contaminated clothing before re-use.

8.2.2 Individual protection measures**8.2.2.1 Respiratory protection**

Respiratory protection complying with EN 141.

8.2.2.2 Hand protection

Protective gloves complying with EN 374.

8.2.2.3 Eye/face protection

Goggles.

8.2.2.4 Skin protection

Lab coat.

8.2.3 Environmental exposure controls

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

Liquid, light orange

9.1.2 Odour

Alcohol-like

9.1.14 Solubility(ies)**9.1.14.1 Water solubility**

Soluble

9.2 Other information

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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

Oxidizing agents. Acids. Bases.

10.6 Hazardous decomposition products

Carbon oxides.

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11. TOXICOLOGICAL INFORMATION

- 11.1 Information on toxicological effects**
- 11.1.1 Acute toxicity**
Ethanol:
LD50/oral/rat/: 7060 mg/kg
Methyl orange:
LD50/oral/rat: 60 mg/kg
- 11.1.2 Irritation and corrosion**
Not classified.
- 11.1.3 Sensitisation**
Not classified.
- 11.1.4 Subacute, subchronic and prolonged toxicity**
Not classified.
- 11.1.5 STOT-single exposure**
Not classified.
- 11.1.6 STOT-repeated exposure**
Not classified.
- 11.1.7 Aspiration hazard**
Not classified.

12. ECOLOGICAL INFORMATION

- 12.1 Toxicity**
- 12.1.1 Aquatic toxicity**
Not classified.
- 12.2 Persistence and degradability**
- 12.2.1 Biodegradation**
No information available.
- 12.3 Bioaccumulative potential**
No information available.
- 12.4 Mobility in soil**
No information available.
- 12.5 Results of PBT and vPvB assessment**
No information available.
- 12.6 Other adverse effects**
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13. DISPOSAL CONSIDERATIONS

- 13.1 Waste treatment methods**
Observe local regulations. Handle as hazardous waste.

14. TRANSPORT INFORMATION

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	Land transport ADR/RID	Sea transport IMDG/IMO	Air transport ICAO/IATA
14.1 UN number	UN1170	UN1170	
14.2 UN proper shipping name	ETHANOL SOLUTION	ETHANOL SOLUTION	
14.3 Transport hazard class(es)	3	3	
14.4 Packing group	III	III	
14.5 Environmental hazards	-	-	
Other information			

14.6 Special precautions for users

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14.7 Transport in bulk according to Annex II of MARPOL 73/78 and the IBC Code

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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

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

ECHA C&L Inventory

16.4 Classification procedure

Calculation method.

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

H225 Highly flammable liquid and vapour.

H301 Toxic if swallowed.

16.6 Training advice

Provide adequate information, instruction and training for operators.

16.7 Recommended restrictions

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16.8 Additional information available from:

Oy FF-Chemicals Ab, Tel. +358 8-5563 193

ffc@ff-chemicals.fi