

COLOUR SOLUTION

Date 28.9.2021

Previous date: 25.11.2011

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

COLOUR SOLUTION

1.1.2 Product codeFF6238 5 L
UFI EK8J-R044-6001-67NN**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

Eye Irrit. 2, H319

STOT SE 3, H336

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

GHS07 - GHS02

Signal word

Danger**Hazard Statements**

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.

P280

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

P305+P351+P338

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

P304+P340

IF INHALED: Remove victim to fresh air and keep at rest in a position comfortable for breathing.

2.3 Other hazards

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

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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
79-20-9	201-185-2	Methylacetate	20 %	Flam. Liq. 2, H225; Eye Irrit. 2, H319; STOT SE 3, H336
64-19-7	200-580-7	Acetic acid...%	8,5 %	Flam. Liq. 3, H226; Skin Corr. 1A, H314

3.3 Other information

Contains bromocresol green.
Phrases in paragraph 16.

4. FIRST AID MEASURES**4.1 Description of first aid measures****4.1.2 Inhalation**

If breathed in, move person into fresh air. When symptoms persist or in all cases of doubt seek medical advice.

4.1.3 Skin contact

If on skin, rinse well with water.

4.1.4 Eye contact

In case of contact, immediately flush eyes with plenty of water for at least 15 minutes. Get medical attention immediately if irritation develops and persists.

4.1.5 Ingestion

Rinse mouth. When symptoms persist or in all cases of doubt seek medical advice.

4.2 Most important symptoms and effects, both acute and delayed

Irritating to eyes. Vapours may cause drowsiness and dizziness.

4.3 Indication of immediate medical attention and special treatment needed

If feeling unwell, seek medical advice.

5. FIREFIGHTING MEASURES

Highly flammable liquid and vapour.

5.1 Extinguishing media**5.1.1 Suitable extinguishing media**

Water fog, carbon dioxide, powder or alcohol foam.

5.2 Special hazards arising from the substance or mixture

May liberate hazardous fumes or vapour in case of fire. Very flammable. Vapours are flammable.

5.3 Advice for firefighters

Fire fighters have to wear a respirator.

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

Evacuate the area. Wear personal protective equipment. Eliminate all ignition sources if safe to do so.

6.2 Environmental precautions

Do not spill in sewers.

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

8, 13.

7. HANDLING AND STORAGE

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7.1 Precautions for safe handling

Prevent emissions of dust into work place air. Use local exhaust and personal protective equipment. Keep away from sources of ignition. Handle in accordance with good industrial hygiene and safety practice.

7.2 Conditions for safe storage, including any incompatibilities

Keep tightly closed. Store at room temperature. Keep away from fire, sparks and heated surfaces.

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)
79-20-9	Methylacetate	200 ppm (8 h)	250 ppm (15 min)
		610 mg/m ³ (8 h)	770 mg/m ³ (15 min)
64-19-7	Acetic acid...%	5 ppm (8 h)	10 ppm (15 min)
		13 mg/m ³ (8 h)	25 mg/m ³ (15 min)

8.1.2 Other information on limit values

The values above are Finnish OEL values.

8.2 Exposure controls**8.2.1 Appropriate engineering controls**

Obey good laboratory practices, good hygiene and safety guidelines. Adequate ventilation needed. Wash hands after handling. Immediately take off contaminated clothing and wash before reuse.

8.2.2 Individual protection measures**8.2.2.1 Respiratory protection**

Use respirator when performing operations involving potential exposure to vapour of the product.

8.2.2.2 Hand protection

Protective gloves complying with EN 374.

8.2.2.3 Eye/face protection

Protective goggles EN 166.

8.2.2.4 Skin protection

Long sleeved clothing, lab coat

8.2.3 Environmental exposure controls

Do not let product enter drains.

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

Liquid, dark violet

9.1.2 Odour

alcohol-like

9.1.3 Odour threshold

No information available.

9.1.4 pH

No information available.

9.1.5 Melting point/freezing point

No information available.

9.1.6 Initial boiling point and boiling range

No information available.

9.1.7 Flash point

No information available.

9.1.8 Evaporation rate

No information available.

9.1.9 Flammability (solid, gas)

No information available.

9.1.10 Explosive properties**9.1.10.1 Lower explosion limit**

No information available.

9.1.10.2 Upper explosion limit

No information available.

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9.1.11	Vapour pressure	No information available.
9.1.12	Vapour density	No information available.
9.1.13	Relative density	No information available.
9.1.14	Solubility(ies)	
9.1.14.1	Water solubility	No information available.
9.1.15	Partition coefficient: n-octanol/water	No information available.
9.1.16	Auto-ignition temperature	No information available.
9.1.17	Decomposition temperature	No information available.
9.1.18	Viscosity	No information available.
9.1.19	Explosive properties	No information available.
9.1.20	Oxidising properties	No information available.
9.2	Other information	
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10. STABILITY AND REACTIVITY

- 10.1 Reactivity**
Flammable liquid and vapour.
- 10.2 Chemical stability**
Stable in normal conditions.
- 10.3 Possibility of hazardous reactions**
No information available.
- 10.4 Conditions to avoid**
Keep away from sources of ignition.
- 10.5 Incompatible materials**
Strong oxidizing agents, strong acids, and strong bases
- 10.6 Hazardous decomposition products**
No information available.

11. TOXICOLOGICAL INFORMATION

- 11.1 Information on toxicological effects**
- 11.1.1 Acute toxicity**
No hazard classification.
Acetic acid LD50/oral/rat = 3310 mg/kg
Ethanol LD50/oral/rat = 7060 mg/kg
Methyl Acetate LD50/oral/rat = 5000 mg/kg
- 11.1.2 Irritation and corrosion**
Causes serious eye irritation.
- 11.1.3 Sensitisation**
No hazard classification.
- 11.1.4 Subacute, subchronic and prolonged toxicity**
No hazard classification.
- 11.1.5 STOT-single exposure**
May cause drowsiness or dizziness.
- 11.1.6 STOT-repeated exposure**
No hazard classification.
- 11.1.7 Aspiration hazard**
No hazard classification.

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

No hazard classification.

Ethanol LC50/96h/Fathead minnows = 14200 mg/l

Acetic acid LC50/96h/bluegill sunfish = 75 mg/l

Methyl Acetate LC50/96h/Fathead minnows = 320 mg/l

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**

Dispose of as hazardous waste in compliance with local and national regulations.

HP3 Flammable

HP5 Specific Target Organ Toxicity

14. TRANSPORT INFORMATION**14.1 UN number**

1993

14.2 UN proper shipping name

FLAMMABLE LIQUID, N.O.S. (Ethanol, Methyl Acetate, Acetic Acid)

14.3 Transport hazard class(es)

3

14.4 Packing group

II

14.5 Environmental hazards

-

14.6 Special precautions for users

-

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 (EC)

Finnish Occupational Exposure Limit values

15.2 Chemical safety assessment

No chemical safety assessment has been carried out for this product.

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

ECHA C&L Inventory

Finnish Occupational Exposure Limit values

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

H225	Highly flammable liquid and vapour.
H226	Flammable liquid and vapour.
H314	Causes severe skin burns and eye damage.
H319	Causes serious eye irritation.
H336	May cause drowsiness or dizziness.

16.6 Training advice

Obey good laboratory practices, good hygiene and safety guidelines.

16.8 Additional information available from:

Oy FF-Chemicals Ab, Finland, Tel: 0358 (0)8 5563
ffc@ff-chemicals.fi

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