

Citric Acid 0,1 mol/l HPLC Running Solution (R/O, p.a)

Date 6.9.2011

Previous date: -

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

Citric Acid 0,1 mol/l HPLC Running Solution (R/O, p.a)

1.1.2 Product code

FF6264 5 L

1.2 Relevant identified uses of the substance or mixture and uses advised against**1.2.1 Recommended use**

MP0112 - Laboratory use: R&D laboratory use

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

Oy FF-Chemicals Ab

P.O.Box

Teollisuustie 4

Postcode and post office

FI-90830 Haukipudas

Finland

Telephone

+358 (0)8 5563 193

Telefax

+358 (0)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**

Not a hazardous substance or mixture according to Regulation (EC) No. 1272/2008.

Not a hazardous substance or mixture according to EC-directives 67/548/EEC or 1999/45/EC.

2.2 Label elements**2.3 Other hazards**

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3. COMPOSITION/INFORMATION ON INGREDIENTS**3.2 Mixtures****Hazardous components****CAS/EC and Reg. number**

5949-29-1

Chemical name of the substance

Citric acid

Concentration Classification

2,1%

Xi, R36

Eye Irrit.2, H319

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

Move the victim to fresh air. If symptoms persist, call a physician.

4.1.3 Skin contact

Flush skin with large amounts of water. If irritation develops and persists, get medical attention.

4.1.4 Eye contact

Rinse thoroughly with plenty of water, also under the eyelids. Get medical attention immediately if irritation develops and persists.

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4.1.5 Ingestion

Drink 1 or 2 glasses of water. When symptoms persist or in all cases of doubt seek medical advice.

4.2 Most important symptoms and effects, both acute and delayed

slight irritation

4.3 Indication of immediate medical attention and special treatment needed

Treat symptomatically.

5. FIREFIGHTING MEASURES

Not combustible.

5.1 Extinguishing media**5.1.1 Suitable extinguishing media**

Use extinguishing measures that are appropriate to local circumstances and the surrounding environment.

5.1.2 Extinguishing media which must not be used for safety reasons

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5.2 Special hazards arising from the substance or mixture

Thermal decomposition can lead to release of irritating gases and vapours.

5.3 Advice for firefighters

Special protective equipment for fire-fighters.

5.4 Specific methods

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6. ACCIDENTAL RELEASE MEASURES**6.1 Personal precautions, protective equipment and emergency procedures****6.2 Environmental precautions**

No special precautions required.

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

No special handling advice required.

7.2 Conditions for safe storage, including any incompatibilities

Keep container tightly closed. Store at room temperature.

7.3 Specific end use(s)

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8. EXPOSURE CONTROLS/PERSONAL PROTECTION**8.1 Control parameters**

Contains no substances with occupational exposure limit values.

8.1.2 Other information on limit values

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8.1.3 Limit values in other countries

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8.1.4 DNELs

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- 8.1.5 PNECs**
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- 8.2 Exposure controls**
- 8.2.1 Appropriate engineering controls**
Handle in accordance with good industrial hygiene and safety practice. Provide adequate ventilation.
- 8.2.2 Individual protection measures**
- 8.2.2.1 Respiratory protection**
Required when vapours/aerosols are generated.
- 8.2.2.2 Hand protection**
Protective gloves
- 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, clear, colourless.
- 9.1.2 Odour** odourless
- 9.1.3 Odour threshold** -
- 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** not applicable
- 9.1.8 Evaporation rate** -
- 9.1.9 Flammability (solid, gas)** -
- 9.1.10 Explosive properties**
- 9.1.10.1 Lower explosion limit** -
- 9.1.10.2 Upper explosion limit** -
- 9.1.11 Vapour pressure** no data available
- 9.1.12 Vapour density** no data available
- 9.1.13 Relative density** 1,005
- 9.1.14 Solubility(ies)**
- 9.1.14.1 Water solubility** completely soluble
- 9.1.15 Partition coefficient: n-octanol/water** no data available
- 9.1.16 Auto-ignition temperature** -
- 9.1.17 Decomposition temperature** no data available
- 9.1.18 Viscosity** no data available
- 9.1.19 Explosive properties** -
- 9.1.20 Oxidising properties** -
- 9.2 Other information**
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10. STABILITY AND REACTIVITY

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- 10.1 Reactivity**
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- 10.2 Chemical stability**
The product is chemically stable.
- 10.3 Possibility of hazardous reactions**
This information is not available.
- 10.4 Conditions to avoid**
Do not heat the product.
- 10.5 Incompatible materials**
Strong oxidizing agents. Reducing agents. Bases. Metals.
- 10.6 Hazardous decomposition products**
no data available

11. TOXICOLOGICAL INFORMATION

- 11.1 Information on toxicological effects**
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- 11.1.1 Acute toxicity**
no data available
- 11.1.2 Irritation and corrosion**
According to the classification criteria of the European Union, the product is not considered as being a skin irritant.
According to the classification criteria of the European Union, the product is not considered as being an eye irritant.
- 11.1.3 Sensitisation**
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- 11.1.4 Subacute, subchronic and prolonged toxicity**
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- 11.1.5 STOT-single exposure**
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- 11.1.6 STOT-repeated exposure**
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- 11.1.7 Aspiration hazard**
-
- 11.1.8 Other information on acute toxicity**
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12. ECOLOGICAL INFORMATION

- 12.1 Toxicity**
- 12.1.1 Aquatic toxicity**
Information not available
- 12.2 Persistence and degradability**
- 12.2.2 Chemical degradation**
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- 12.3 Bioaccumulative potential**
-
- 12.4 Mobility in soil**
-
- 12.5 Results of PBT and vPvB assessment**
- 12.6 Other adverse effects**
Do not flush into surface water or sanitary sewer system.

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

160506 - laboratory chemicals consisting of or containing dangerous substances including mixtures of laboratory chemicals

14. TRANSPORT INFORMATION

	Land transport ADR/RID	Sea transport IMDG/IMO	Air transport ICAO/IATA
14.1 UN number			
14.2 UN proper shipping name			
14.3 Transport hazard class(es)			
14.4 Packing group			
14.5 Environmental hazards			
Other information	Not classified as dangerous in the meaning of transport regulations.		

14.6 Special precautions for users**14.7 Transport in bulk according to Annex II of MARPOL 73/78 and the IBC Code****15. REGULATORY INFORMATION****15.1 Safety, health and environmental regulations/legislation specific for the substance or mixture****15.2 Chemical safety assessment**

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16. OTHER INFORMATION**16.4 Classification procedure**

REGULATION (EC) No 1272/2008

16.6 Training advice

Provide adequate information, instruction and training for operators.

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.