

Running Solution HPLC Running Solution (R/O, p.a)

Date 12.4.2011

Previous date: -

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

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1.1.2 Product code

FF6265 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****1272/2008 (CLP)**

STOT SE 2, H371

67/548/EEC - 1999/45/EC

Xn; R48/20/21/22

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

GHS08

Signal word

Warning**Hazard Statements**

H371

May cause damage to organs <or state all organs affected, if known> <state route of exposure if it is conclusively proven that no other routes of exposure cause the hazard>.

Precautionary Statements

P260

Do not breathe dust/fume/gas/mist/vapours/spray.

P309+P311

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

P405

Store locked up.

P501

Dispose of contents/container to [].

2.3 Other hazards

-

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

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67-56-1

Methanol

2 - 5 %

T; R23/24/25-39/23/24/25;F; R11
Flam. Liq. 2; Acute Tox. 3 ; Acute
Tox. 3 ; Acute Tox. 3 ; STOT SE 1**4. FIRST AID MEASURES****4.1 Description of first aid measures**

If breathed in, move person into fresh air. Get medical attention immediately if symptoms occur.

4.1.2 Inhalation

In the case of inhalation of aerosol/mist consult a physician if necessary.

4.1.3 Skin contact

Immediately flush skin with large amounts of water.

4.1.4 Eye contact

Rinse immediately with plenty of water, also under the eyelids. Call a physician if symptoms occur.

4.1.5 Ingestion

Rinse mouth. Call a physician if symptoms occur.

4.2 Most important symptoms and effects, both acute and delayed

-

4.3 Indication of immediate medical attention and special treatment needed

IF exposed: Call a POISON CENTER or doctor/physician.

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

-

5.2 Special hazards arising from the substance or mixture

-

5.3 Advice for firefighters

Wear self contained breathing apparatus for fire fighting if necessary.

5.4 Specific methods

-

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

Ensure adequate ventilation.

6.2 Environmental precautions

Do not flush into surface water or sanitary sewer system.

6.3 Methods and materials for containment and cleaning up

Soak up with inert absorbent material and dispose of as hazardous waste.

6.4 Reference to other sections

8, 13.

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

In case of insufficient ventilation, wear suitable respiratory equipment. Do not get in eyes, on skin, or on clothing.

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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****8.1.1 Threshold limits**

67-56-1	Methanol	200 ppm (8 h)	250 ppm (15 min)
		270 mg/m ³ (8 h)	330 mg/m ³ (15 min)
		skin	

8.1.2 Other information on limit values

-

8.1.3 Limit values in other countries

-

8.1.4 DNELs

-

8.1.5 PNECs

-

8.2 Exposure controls**8.2.1 Appropriate engineering controls**

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

8.2.2 Individual protection measures**8.2.2.1 Respiratory protection**

Not required; except in case of aerosol formation.

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

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

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

-

9.1.8 Evaporation rate

no data available

9.1.9 Flammability (solid, gas)

does not ignite

9.1.10 Explosive properties**9.1.10.1 Lower explosion limit**

-

9.1.10.2 Upper explosion limit

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9.1.11	Vapour pressure	no data available
9.1.12	Vapour density	no data available
9.1.13	Relative 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	-
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	-

10. STABILITY AND REACTIVITY

10.1	Reactivity	
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	This information is not available.
10.6	Hazardous decomposition products	Carbon oxides

11. TOXICOLOGICAL INFORMATION

11.1	Information on toxicological effects	Not Rated
11.1.1	Acute toxicity	-
11.1.2	Irritation and corrosion	-
11.1.3	Sensitisation	-
11.1.4	Subacute, subchronic and prolonged toxicity	-
11.1.5	STOT-single exposure	May cause damage to organs <or state all organs affected, if known> <state route of exposure if it is conclusively proven that no other routes of exposure cause the hazard>.
11.1.6	STOT-repeated exposure	-
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**
Contains no substances known to be hazardous to the environment or not degradable in waste water treatment plants.
- 12.1.2 Toxicity to other organisms**
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- 12.2 Persistence and degradability**
- 12.2.1 Biodegradation**
-
- 12.3 Bioaccumulative potential**
-
- 12.4 Mobility in soil**
-
- 12.5 Results of PBT and vPvB assessment**
-
- 12.6 Other adverse effects**
-

13. DISPOSAL CONSIDERATIONS

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

- 13.1 Waste treatment methods**
The product has to be disposed of as laboratory chemical in accordance with local regulations.

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			

- 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

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- 15.1 Safety, health and environmental regulations/legislation specific for the substance or mixture**
Regulation (EC) No 1272/2008 on classification, labelling and packaging of substances and mixtures, Annex VI, Table 3.1. HTP-arvot 2009.
- 15.2 Chemical safety assessment**
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16. OTHER INFORMATION

- 16.1 Additions, Deletions, Revisions**
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- 16.3 Key literature references and sources for data**
REGULATION (EC) No 1272/2008
- 16.5 List of relevant R phrases, hazard statements, safety phrases and/or precautionary statements**
R48/20/21/22 Harmful: danger of serious damage to health by prolonged exposure through inhalation, in contact with skin and 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

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