

TOC ANALYZER ADI 7010 Acid Solution

Date 7.5.2015

Previous date: -

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

TOC ANALYZER ADI 7010 Acid Solution

1.1.2 Product code

FF6528 1 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

Street address

Teollisuustie 4

Postcode and post office

90830 Haukipudas

Telephone

08 5563 193

Telefax

08 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)**

Skin Irrit. 2, H315

Eye Irrit. 2, H319

67/548/EEC - 1999/45/EC

Xi; R36/38

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

GHS07

Signal word

Warning**Hazard Statements**

H315

Causes skin irritation.

H319

Causes serious eye irritation.

Precautionary Statements

P280

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

P302+P352

IF ON SKIN: Wash with plenty of soap and water.

P305+P351+P338

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

P337+P313

If eye irritation persists: Get medical advice/attention.

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

7664-38-2

Chemical name of the substancephosphoricacid...%,orthophosphoi10%
icacid...%**Concentration Classification**C; R34;
Skin Corr. 1B, H314

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

In the case of accident or if you feel unwell, seek medical advice immediately (show the label where possible). Take off all contaminated clothing immediately.

4.1.2 Inhalation

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

4.1.3 Skin contact

Wash off with warm water and soap. Remove contaminated clothing. If irritation develops, get medical attention.

4.1.4 Eye contact

Rinse immediately with plenty of water, also under the eyelids, for at least 15 minutes. Get medical attention immediately if irritation develops and persists.

4.1.5 Ingestion

If swallowed, seek medical advice immediately and show this container or label. Rinse mouth. Do NOT induce vomiting.

4.2 Most important symptoms and effects, both acute and delayed

Acute dermal irritation/corrosion. Acute eye irritation/corrosion. Headache, nausea. Cough. Breathing difficulties.

4.3 Indication of immediate medical attention and special treatment needed

If eye irritation persists, consult a specialist. If a person feels unwell or symptoms of skin irritation appear, consult a physician.

5. FIREFIGHTING MEASURES

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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

Burning produces irritant fumes.

5.3 Advice for firefighters

In the event of fire, wear self-contained breathing apparatus.

5.4 Specific methods

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

Evacuate personnel to safe areas. Ventilate the area. Use personal protective equipment.

6.2 Environmental precautions

Try to prevent the material from entering drains or water courses.

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

4, 8, 13.

7. HANDLING AND STORAGE

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- 7.1 Precautions for safe handling**
Prevent vapour buildup by providing adequate ventilation during and after use. For personal protection see section 8.
- 7.2 Conditions for safe storage, including any incompatibilities**
Store at room temperature. Keep container tightly closed. Keep container in a well-ventilated place.
- 7.3 Specific end use(s)**
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8. EXPOSURE CONTROLS/PERSONAL PROTECTION

- 8.1 Control parameters**
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- 8.1.1 Threshold limits**
7664-38-2 phosphoricacid 1 mg/m³ (8 h) 2 mg/m³ (15 min)
- 8.1.4 DNELs**
-
- 8.1.5 PNECs**
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- 8.2 Exposure controls**
- 8.2.1 Appropriate engineering controls**
Ensure adequate ventilation, especially in confined areas. Remove and wash contaminated clothing before re-use. Ensure that eyewash stations and safety showers are close to the workstation location.
- 8.2.2 Individual protection measures**
- 8.2.2.1 Respiratory protection**
Respiratory protection complying with EN 143.
- 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**
Prevent product from entering drains.

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** -
- 9.1.5 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)** -
- 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

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9.1.13	Relative density	1,0495 kg/l
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	-
10.4	Conditions to avoid	Decomposes on heating.
10.5	Incompatible materials	Strong bases. Powdered metals.
10.6	Hazardous decomposition products	No information available.

11. TOXICOLOGICAL INFORMATION

11.1	Information on toxicological effects	-
11.1.1	Acute toxicity	-
11.1.2	Irritation and corrosion	Irritating to eyes and skin.
11.1.3	Sensitisation	-
11.1.4	Subacute, subchronic and prolonged toxicity	-
11.1.5	STOT-single exposure	-
11.1.6	STOT-repeated exposure	-
11.1.7	Aspiration hazard	-
11.1.8	Other information on acute toxicity	-

12. ECOLOGICAL INFORMATION

12.1	Toxicity	
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- 12.1.1 Aquatic toxicity**
No information available.
- 12.1.2 Toxicity to other organisms**
No information available.
- 12.2 Persistence and degradability**
- 12.2.1 Biodegradation**
No information available.
- 12.2.2 Chemical degradation**
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**
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- 12.6 Other adverse effects**
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13. DISPOSAL CONSIDERATIONS

- 13.1 Waste treatment methods**
The product has to be disposed of as laboratory chemical in accordance with local regulations.
- 13.2 Waste from residues / unused products**
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	1805	1805	
14.2 UN proper shipping name	PHOSPHORIC ACID SOLUTION	PHOSPHORIC ACID SOLUTION	
14.3 Transport hazard class(es)	8	8	
14.4 Packing group	III	III	
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

- 15.1 Safety, health and environmental regulations/legislation specific for the substance or mixture**
REGULATION (EC) No 1272/2008

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15.2 Chemical safety assessment

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16. OTHER INFORMATION**16.1 Additions, Deletions, Revisions**

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16.2 Key or legend to abbreviations and acronyms

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16.3 Key literature references and sources for data

Regulation (EC) No 1272/2008 on classification, labelling and packaging of substances and mixtures, Annex VI, Table 3.1

16.4 Classification procedure

This product is a mixture. Health hazard information is based on its components.

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

R36/38 Irritating to eyes and skin.

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, puh. 08 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.