

**EDTA 0,05 mol/l (A)**

Date 6.11.2012

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**

FF028 1L, FF029 20L, FF2051 5L

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

MP0112 - Laboratory use: R&amp;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**

This substance is not classified as dangerous according to European Union legislation.

**2.2 Label elements**

Not a dangerous substance according to GHS.

The product does not need to be labelled in accordance with EC directives or respective national laws.

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

60-00-4

**Chemical name of the substance**

edetic acid

**Concentration Classification**

&lt; 5%

Xi; R36;  
Eye Irrit. 2, H319**4. FIRST AID MEASURES****4.1 Description of first aid measures****4.1.2 Inhalation**

If inhaled, remove to fresh air.

**4.1.3 Skin contact**

If on skin, rinse well with water.

**4.1.4 Eye contact**

Flush eyes with water as a precaution.

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- 4.1.5 Ingestion**  
Drink 1 or 2 glasses of water. Call a physician if symptoms occur.
- 4.2 Most important symptoms and effects, both acute and delayed**  
No information available.
- 4.3 Indication of immediate medical attention and special treatment needed**

**5. FIREFIGHTING MEASURES**

- 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**  
Product is compatible with standard fire-fighting agents.
- 5.2 Special hazards arising from the substance or mixture**  
No information available.
- 5.3 Advice for firefighters**  
In the event of fire, wear self-contained breathing apparatus.
- 5.4 Specific methods**  
Suppress (knock down) gases/vapours/mists with a water spray jet. Prevent fire extinguishing water from contaminating surface water or the ground water system.

**6. ACCIDENTAL RELEASE MEASURES**

- 6.1 Personal precautions, protective equipment and emergency procedures**  
Immediately evacuate personnel to safe areas.
- 6.2 Environmental precautions**  
Do not let product enter drains.
- 6.3 Methods and materials for containment and cleaning up**  
Large spills should be collected mechanically (remove by pumping) for disposal.
- 6.4 Reference to other sections**

**7. HANDLING AND STORAGE**

- 7.1 Precautions for safe handling**  
General industrial hygiene practice.
- 7.2 Conditions for safe storage, including any incompatibilities**  
Keep tightly closed. Store at room temperature.
- 7.3 Specific end use(s)**

**8. EXPOSURE CONTROLS/PERSONAL PROTECTION**

- 8.1 Control parameters**  
Contains no substances with occupational exposure limit values.
- 8.2 Exposure controls**
- 8.2.1 Appropriate engineering controls**  
Handle in accordance with good industrial hygiene and safety practice.
- 8.2.2 Individual protection measures**
- 8.2.2.1 Respiratory protection**  
Required, if fumes/vapours are generated
- 8.2.2.2 Hand protection**  
Protective gloves complying with EN 374.

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- 8.2.2.3 Eye/face protection**  
Goggles
- 8.2.2.4 Skin protection**  
Lab coat, Long sleeved clothing
- 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, colourless
- 9.1.2 Odour** odourless
- 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.
- 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** soluble
- 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**

**10. STABILITY AND REACTIVITY**

- 10.1 Reactivity**
- 10.2 Chemical stability**  
Stable at normal ambient temperature and pressure.
- 10.3 Possibility of hazardous reactions**  
No dangerous reaction known under conditions of normal use.
- 10.4 Conditions to avoid**  
No information available.
- 10.5 Incompatible materials**  
no data available
- 10.6 Hazardous decomposition products**  
No information available.

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**11. TOXICOLOGICAL INFORMATION****11.1 Information on toxicological effects****11.1.1 Acute toxicity**

No information 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.

**11.1.5 STOT-single exposure**

The substance or mixture is not classified as specific target organ toxicant, single exposure.

**11.1.6 STOT-repeated exposure**

The substance or mixture is not classified as specific target organ toxicant, repeated exposure.

**11.1.7 Aspiration hazard**

No aspiration toxicity classification

**12. ECOLOGICAL INFORMATION****12.1 Toxicity****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****12.6 Other adverse effects****13. DISPOSAL CONSIDERATIONS****13.1 Waste treatment methods****13.2 Waste from residues / unused products**

The product has to be disposed of as laboratory chemical in accordance with local regulations.

**14. TRANSPORT INFORMATION**

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	<b>Land transport ADR/RID</b>	<b>Sea transport IMDG/IMO</b>	<b>Air transport ICAO/IATA</b>
<b>14.1 UN number</b>			
<b>14.2 UN proper shipping name</b>			
<b>14.3 Transport hazard class(es)</b>			
<b>14.4 Packing group</b>			
<b>14.5 Environmental hazards</b>			
<b>Other information</b>	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**

Directive 96/82/EC does not apply

**15.2 Chemical safety assessment****16. OTHER INFORMATION****16.4 Classification procedure**

REGULATION (EC) No 1272/2008

**16.6 Training advice**

Provide adequate information, instruction and training for operators.

**16.7 Recommended restrictions**

Not specific restrictions.

**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.