

Nitric Acid 0.050 mol/l

Date 8.2.2013

Previous date: -

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

Nitric Acid 0.050 mol/l

1.1.2 Product code

FF6291 20 L

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

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**

The product is not classified as hazardous.

2.2 Label elements**2.3 Other hazards****3. COMPOSITION/INFORMATION ON INGREDIENTS****3.2 Mixtures**

Liuos.

Hazardous components**CAS/EC and Reg.
number****Chemical name of the
substance****Concentration Classification****3.3 Other information**

The mixture does not contain hazardous substances over concentration limits to trigger classification.

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

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4.1.2 Inhalation

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4.1.3 Skin contact

Flush with copious amounts of water.

4.1.4 Eye contact

Immediately flush eyes with plenty of water, occasionally lifting the upper and lower eyelids.

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4.1.5 Ingestion

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4.2 Most important symptoms and effects, both acute and delayed

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4.3 Indication of immediate medical attention and special treatment needed

If feeling unwell, seek medical advice.

5. FIREFIGHTING MEASURES

Non-combustible.

5.1 Extinguishing media**5.1.1 Suitable extinguishing media**

Extinguishing media should be suitable to surrounding materials.

5.2 Special hazards arising from the substance or mixture

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5.3 Advice for firefighters

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

No specific instructions.

6.2 Environmental precautions

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6.3 Methods and materials for containment and cleaning up

Absorb in appropriate material. Pick up in containers for waste treatment. Clean contaminated surfaces. Ventilate the area.

6.4 Reference to other sections

8, 13.

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

Obey good laboratory practices, good hygiene and safety guidelines.

7.2 Conditions for safe storage, including any incompatibilities

Keep container tightly closed.

7.3 Specific end use(s)**8. EXPOSURE CONTROLS/PERSONAL PROTECTION****8.1 Control parameters****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

No information available.

8.1.5 PNECs

No information available.

8.2 Exposure controls**8.2.1 Appropriate engineering controls**

Obey good laboratory practices, good hygiene and safety guidelines. Adequate ventilation needed.

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8.2.2 Individual protection measures**8.2.2.1 Respiratory protection**

Respirator if vapours or aerosols are escaped in air.

8.2.2.2 Hand protection

Protective gloves complying with EN 374.

8.2.2.3 Eye/face protection

Protective goggles.

8.2.2.4 Skin protection

Working clothes.

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

Liquid.

9.1.2 Odour

No information available.

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

Not applicable.

9.1.8 Evaporation rate

No information available.

9.1.9 Flammability (solid, gas)

Not flammable.

9.1.10 Explosive properties**9.1.10.1 Lower explosion limit**

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9.1.10.2 Upper explosion limit

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9.1.11 Vapour pressure

N/I

9.1.12 Vapour density

N/I

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

Not applicable.

9.1.17 Decomposition temperature

No information available.

9.1.18 Viscosity

No information available.

9.1.19 Explosive properties

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9.1.20 Oxidising properties

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9.2 Other information**10. STABILITY AND REACTIVITY****10.1 Reactivity**

No information available.

10.2 Chemical stability

Stable in normal conditions.

10.3 Possibility of hazardous reactions

No information available.

10.4 Conditions to avoid

Strong heating.

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- 10.5 Incompatible materials**
N/I
- 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.
- 11.1.2 Irritation and corrosion**
No hazard classification.
- 11.1.3 Sensitisation**
No hazard classification.
- 11.1.4 Subacute, subchronic and prolonged toxicity**
No hazard classification.
- 11.1.5 STOT-single exposure**
No hazard classification.
- 11.1.6 STOT-repeated exposure**
No hazard classification.
- 11.1.7 Aspiration hazard**
Not classified.

12. ECOLOGICAL INFORMATION

- 12.1 Toxicity**
- 12.1.1 Aquatic toxicity**
No hazard classification.
- 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**

13. DISPOSAL CONSIDERATIONS

- 13.1 Waste treatment methods**
Disposal in compliance with local and national regulation.

14. TRANSPORT INFORMATION

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	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****15.1 Safety, health and environmental regulations/legislation specific for the substance or mixture**
REACH regulation, CLP regulation (EC).**15.2 Chemical safety assessment****16. OTHER INFORMATION****16.4 Classification procedure**
Harmonised classification according to CLP regulation.**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.