

Sulfamic acid 10 w/v-%

Date 9.9.2020

Previous date: -

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

Sulfamic acid 10 w/v-%

1.1.2 Product code

FF6717 5 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

Business ID

05851808

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

Skin Irrit. 2, H315

Eye Irrit. 2, H319

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.

2.3 Other hazards

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

5329-14-6

226-218-8

Sulfamic acid

10 %

Eye Irrit. 2, H319; Skin Irrit. 2,
H315; Aquatic Chronic 3, H412**3.3 Other information**

The full text of hazard statements are given in chapter 16.

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

Remove patient from exposure. Take off contaminated clothing.

4.1.2 Inhalation

Move into fresh air.

4.1.3 Skin contact

Wash with plenty of soap and water.

4.1.4 Eye contact

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

4.1.5 Ingestion

Rinse mouth. Do NOT induce vomiting. Call a POISON CENTER or doctor/physician.

4.2 Most important symptoms and effects, both acute and delayed

Causes serious eye irritation. Causes skin irritation.

4.3 Indication of immediate medical attention and special treatment needed

IF exposed or concerned: Get medical advice/attention.

5. FIREFIGHTING MEASURES**5.1 Extinguishing media****5.1.1 Suitable extinguishing media**

Choose extinguishing media suitable for surrounding materials.

5.2 Special hazards arising from the substance or mixture

May form hazardous fumes in case of fire.

5.3 Advice for firefighters

Wear chemical protective suit and pressurized respirator.

5.4 Specific methods

Prevent discharges of extinguishing water in sewers or surface- and ground water.

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

Evacuate the contaminated area. Wear personal protective equipment. Prevent discharging of vapour and mist in workplace air. Avoid inhaling the product. Avoid contact with eyes, skin and clothing.

6.2 Environmental precautions

Prevent flowing into sewers.

6.3 Methods and materials for containment and cleaning up

Absorb in suitable absorption material and collect for disposal. Clean surfaces and ventilate the area.

6.4 Reference to other sections

4, 8, 13.

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

Handle with good practice and according to safety instructions. Ensure adequate ventilation.

7.2 Conditions for safe storage, including any incompatibilities

Keep container tightly closed.

7.3 Specific end use(s)

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8. EXPOSURE CONTROLS/PERSONAL PROTECTION

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8.1 Control parameters**8.1.2 Other information on limit values**

No limit values.

8.2 Exposure controls**8.2.1 Appropriate engineering controls**

Handle with good practice and according to safety instructions. Ensure adequate ventilation. Take off contaminated clothing, clean before reuse. Wash hands after working.

8.2.2 Individual protection measures**8.2.2.1 Respiratory protection**

Respiratory protection when vapours or mist may be discharged in work place air.

8.2.2.2 Hand protection

Protective gloves. Material e.g. nitrile rubber.

8.2.2.3 Eye/face protection

Goggles (European standard - EN 166).

8.2.2.4 Skin protection

Laboratory coat, long sleeves.

8.2.3 Environmental exposure controls

Prevent entry into drains, sewers, soil or watercourses.

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

Liquid, clear

9.1.2 Odour N/A

9.1.3 Odour threshold N/A

9.1.4 pH N/A

9.1.5 Melting point/freezing point N/A

9.1.6 Initial boiling point and boiling range N/A

9.1.7 Flash point N/A

9.1.8 Evaporation rate N/A

9.1.9 Flammability (solid, gas) N/A

9.1.10 Explosive properties

9.1.10.1 Lower explosion limit N/A

9.1.10.2 Upper explosion limit N/A

9.1.11 Vapour pressure N/A

9.1.12 Vapour density N/A

9.1.13 Relative density N/A

9.1.14 Solubility(ies)

9.1.14.1 Water solubility Soluble in water.

9.1.14.2 Fat solubility (solvent - oil to be specified) N/A

9.1.15 Partition coefficient: n-octanol/water N/A

9.1.16 Auto-ignition temperature N/A

9.1.17 Decomposition temperature N/A

9.1.18 Viscosity N/A

9.1.19 Explosive properties N/A

9.1.20 Oxidising properties N/A

9.2 Other information

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Date 9.9.2020

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10. STABILITY AND REACTIVITY

- 10.1 Reactivity**
None under normal handling.
- 10.2 Chemical stability**
Stable in normal conditions.
- 10.3 Possibility of hazardous reactions**
Reacts with chlorine, bases, metals and oxidants.
- 10.4 Conditions to avoid**
Excess heat.
- 10.5 Incompatible materials**
No information available.
- 10.6 Hazardous decomposition products**
No information available.

11. TOXICOLOGICAL INFORMATION

- 11.1 Information on toxicological effects**
- 11.1.1 Acute toxicity**
Not classified.
- 11.1.2 Irritation and corrosion**
Causes skin irritation. Causes serious eye irritation.
- 11.1.3 Sensitisation**
Not classified.
- 11.1.4 Subacute, subchronic and prolonged toxicity**
Not classified.
- 11.1.5 STOT-single exposure**
Not classified.
- 11.1.6 STOT-repeated exposure**
Not classified.
- 11.1.7 Aspiration hazard**
Not classified.

12. ECOLOGICAL INFORMATION

- 12.1 Toxicity**
- 12.1.1 Aquatic toxicity**
Not classified.
- 12.2 Persistence and degradability**
- 12.2.1 Biodegradation**
Not applicable.
- 12.2.2 Chemical degradation**
No information available.
- 12.3 Bioaccumulative potential**
Sulfamic acid: n-octanol / water (log KOW) 0.1
- 12.4 Mobility in soil**
No information available.
- 12.5 Results of PBT and vPvB assessment**
No information available.
- 12.6 Other adverse effects**
Prevent entry into drains, sewers, soil or watercourses.

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13. DISPOSAL CONSIDERATIONS

- 13.1 Waste treatment methods**
Obey local and national regulations.

14. TRANSPORT INFORMATION

- 14.1 UN number** -
14.2 UN proper shipping name -
14.3 Transport hazard class(es) -
14.4 Packing group -
14.5 Environmental hazards -
14.6 Special precautions for users
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14.7 Transport in bulk according to Annex II of MARPOL 73/78 and the IBC Code
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15. REGULATORY INFORMATION

- 15.1 Safety, health and environmental regulations/legislation specific for the substance or mixture**
REACH regulation
CLP regulation
- 15.2 Chemical safety assessment**
Chemical Safety Assessment/Reports (CSA/CSR) is not available for this substance.

16. OTHER INFORMATION

- 16.3 Key literature references and sources for data**
CLP regulation (1272/2008/EC)
ECHA C&L Inventory
- 16.5 List of relevant R phrases, hazard statements, safety phrases and/or precautionary statements**
H315 Causes skin irritation.
H319 Causes serious eye irritation.
H412 Harmful to aquatic life with long lasting effects.
- 16.6 Training advice**
Handling of hazardous chemicals.
- 16.8 Additional information available from:**
Oy FF-Chemicals Ab, Finland, tel. +358 8 5563 193
ffc@ff-chemicals.fi

The information in this safety data sheet are according to our best knowledge correct on the day it was composed, and may not be regarded as warranty or quality specification.