

Safety Data Sheet

according to UK REACH Regulation

Sodium fluoroacetate

Revision date: 01.06.2022

Product code: 6211

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	protection.
P301+P310	IF SWALLOWED: Immediately call a POISON CENTER/doctor.
P302+P352	IF ON SKIN: Wash with plenty of water.
P361	Take off immediately all contaminated clothing.
P363	Wash contaminated clothing before reuse.
P304+P340	IF INHALED: Remove person to fresh air and keep comfortable for breathing.
P310	Immediately call a POISON CENTER/doctor.
P405	Store locked up.

SECTION 3: Composition/information on ingredients**3.1. Substances**

Sum formula:	C2H2FNaO2
Molecular weight:	100.03

Hazardous components

CAS No	Chemical name	Quantity
	EC No	Index No
	REACH No	
	Classification (GB CLP Regulation)	
62-74-8	sodium fluoroacetate	95 - < 100 %
	200-548-2	
	Acute Tox. 1, Acute Tox. 2, Acute Tox. 2, Aquatic Acute 1; H310 H330 H300 H400	

Full text of H and EUH statements: see section 16.

Specific Conc. Limits, M-factors and ATE

CAS No	EC No	Chemical name	Quantity
		Specific Conc. Limits, M-factors and ATE	
62-74-8	200-548-2	sodium fluoroacetate	95 - < 100 %
		inhalation: ATE = 0,5 mg/l (vapours); inhalation: ATE = 0,05 mg/l (dusts or mists); dermal: LD50 = 48 mg/kg; oral: LD50 = 0,1 mg/kg	

SECTION 4: First aid measures**4.1. Description of first aid measures****General information**

First aider: Pay attention to self-protection!

After inhalation

Provide fresh air. No mouth-to-mouth or mouth-to-nose resuscitation. Use Ambu bag or ventilator. Call a physician immediately. Put victim at rest, cover with a blanket and keep warm. In case of breathing difficulties administer oxygen.

After contact with skin

After contact with skin, wash immediately with: Polyethylene glykol 400. Subsequently wash off with: Water. Remove contaminated clothing immediately and dispose off safely. Take off immediately all contaminated clothing, including underwear and shoes. After contact with skin, wash immediately with plenty of water and soap. Call a physician immediately. Call a physician in any case!

After contact with eyes

In case of contact with eyes, rinse immediately with plenty of water and seek medical advice. In case of contact with eyes, rinse immediately with plenty of flowing water for 10 to 15 minutes holding eyelids apart. Subsequently consult an ophthalmologist.

After ingestion

Never give anything by mouth to an unconscious person or a person with cramps. Call a physician immediately. Induce vomiting when the affected person is not unconscious. Rinse mouth immediately and drink plenty of water. Call a physician in any case!

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SECTION 5: Firefighting measures

5.1. Extinguishing media

Suitable extinguishing media

Co-ordinate fire-fighting measures to the fire surroundings. Water fog. alcohol resistant foam. Carbon dioxide (CO₂).

5.2. Special hazards arising from the substance or mixture

Fluorhydric acid.

5.3. Advice for firefighters

Wear a self-contained breathing apparatus and chemical protective clothing.

Additional information

Suppress gases/vapours/mists with water spray jet. Contaminated fire-fighting water must be collected separately. Do not allow to enter into surface water or drains.

SECTION 6: Accidental release measures

6.1. Personal precautions, protective equipment and emergency procedures

General advice

Provide adequate ventilation. Avoid dust formation. Do not breathe dust. Avoid contact with skin, eyes and clothes. Wear personal protection equipment.

6.2. Environmental precautions

Do not allow to enter into surface water or drains.

6.3. Methods and material for containment and cleaning up

Other information

Take up mechanically. Treat the recovered material as prescribed in the section on waste disposal.

6.4. Reference to other sections

13

SECTION 7: Handling and storage

7.1. Precautions for safe handling

Advice on safe handling

If handled uncovered, arrangements with local exhaust ventilation have to be used. Do not breathe dust.

Advice on general occupational hygiene

Remove contaminated, saturated clothing immediately. Protect skin by using skin protective cream. After work, wash hands and face. When using do not eat or drink.

7.2. Conditions for safe storage, including any incompatibilities

Requirements for storage rooms and vessels

Keep container dry. Keep container tightly closed. Keep locked up. Store in a place accessible by authorized persons only. Keep container in a well-ventilated place.

Further information on storage conditions

Recommended storage temperature:

of °C: 2

up to °C: 8

Protect against: Light.

Store under (Gas): argon. Nitrogen.

SECTION 8: Exposure controls/personal protection

8.1. Control parameters

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Additional advice on limit values

To date, no national critical limit values exist.

8.2. Exposure controls

Appropriate engineering controls

If handled uncovered, arrangements with local exhaust ventilation have to be used. Do not breathe dust.

Individual protection measures, such as personal protective equipment

Eye/face protection

Wear eye/face protection.

Hand protection

Wear suitable gloves. For special purposes, it is recommended to check the resistance to chemicals of the protective gloves mentioned above together with the supplier of these gloves.

Skin protection

Lab apron. Chemical resistant safety shoes.

Respiratory protection

Respiratory protection necessary at: insufficient absorption.

SECTION 9: Physical and chemical properties

9.1. Information on basic physical and chemical properties

Physical state:	solid
Colour:	colourless
Odour:	odourless

Changes in the physical state

Melting point/freezing point: 200 °C

Water solubility: easily soluble.

Solubility in other solvents

dimethylsulphoxide (DMSO).

SECTION 10: Stability and reactivity

10.4. Conditions to avoid

Protect from moisture.

10.5. Incompatible materials

Strong acid Oxidizing agents, strong.

10.6. Hazardous decomposition products

Fluorhydric acid.

SECTION 11: Toxicological information

11.1. Information on hazard classes as defined in GB CLP Regulation

Acute toxicity

Very toxic. Acute toxicity, oral. Acute toxicity, inhalant. Acute toxicity, dermal.

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CAS No	Chemical name				
	Exposure route	Dose	Species	Source	Method
62-74-8	sodium fluoroacetate				
	oral	LD50 0,1 mg/kg	Rat		
	dermal	LD50 48 mg/kg	Rat		
	inhalation vapour	ATE 0,5 mg/l			
	inhalation dust/mist	ATE 0,05 mg/l			

Additional information on tests

The classification was carried out according to the calculation method of the Preparations Directive (1999/45/EC).

SECTION 12: Ecological information**12.1. Toxicity**

Very toxic to aquatic organisms.

CAS No	Chemical name					
	Aquatic toxicity	Dose	[h] [d]	Species	Source	Method
62-74-8	sodium fluoroacetate					
	Acute fish toxicity	LC50 54 mg/l	96 h			
	Acute crustacea toxicity	EC50 350 mg/l	48 h			

12.5. Results of PBT and vPvB assessment

This substance does not meet the PBT/vPvB criteria of UK REACH.

12.6. Endocrine disrupting properties

This substance does not have endocrine disrupting properties with respect to non-target organisms.

Further information

Do not allow to enter into surface water or drains. The classification was carried out according to the calculation method of the Preparations Directive (1999/45/EC).

SECTION 13: Disposal considerations**13.1. Waste treatment methods****Disposal recommendations**

Do not allow to enter into surface water or drains. Dispose of waste according to applicable legislation.

Contaminated packaging

Non-contaminated packages may be recycled. Handle contaminated packages in the same way as the substance itself.

SECTION 14: Transport information**Land transport (ADR/RID)**

14.1. UN number or ID number:	UN2629
14.2. UN proper shipping name:	SODIUM FLUOROACETATE
14.3. Transport hazard class(es):	6.1
14.4. Packing group:	I
Hazard label:	6.1
Classification code:	T2
Limited quantity:	0
Transport category:	1
Hazard No:	66
Tunnel restriction code:	C/E

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Other applicable information (land transport)

E5

Inland waterways transport (ADN)

14.1. UN number or ID number:	UN2629
14.2. UN proper shipping name:	SODIUM FLUOROACETATE
14.3. Transport hazard class(es):	6.1
14.4. Packing group:	I
Hazard label:	6.1
Classification code:	T2
Special Provisions:	802
Limited quantity:	0

Other applicable information (inland waterways transport)

E5

Marine transport (IMDG)

14.1. UN number or ID number:	UN2629
14.2. UN proper shipping name:	SODIUM FLUOROACETATE
14.3. Transport hazard class(es):	6.1
14.4. Packing group:	I
Hazard label:	6.1
Special Provisions:	-
Limited quantity:	0
EmS:	F-A, S-A

Other applicable information (marine transport)

E5

Air transport (ICAO-TI/IATA-DGR)

14.1. UN number or ID number:	UN2629
14.2. UN proper shipping name:	SODIUM FLUOROACETATE
14.3. Transport hazard class(es):	6.1
14.4. Packing group:	I
Hazard label:	6.1
Limited quantity Passenger:	Forbidden
IATA-packing instructions - Passenger:	666
IATA-max. quantity - Passenger:	5 kg
IATA-packing instructions - Cargo:	673
IATA-max. quantity - Cargo:	50 kg

Other applicable information (air transport)

E5

: Forbidden

SECTION 15: Regulatory information**15.1. Safety, health and environmental regulations/legislation specific for the substance or mixture****EU regulatory information****Additional information**

Safety Data Sheet according to Regulation (EC) No. 1907/2006 (REACH)

National regulatory information

Water hazard class (D): 3 - highly hazardous to water

SECTION 16: Other information**Relevant H and EUH statements (number and full text)**

H300 Fatal if swallowed.
H310 Fatal in contact with skin.

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H330

Fatal if inhaled.

H400

Very toxic to aquatic life.