

Material Safety Data Sheet

according to ANSI Z400.1-2004

14-(R,S)-Fluoro-6-thiaheptadecanoic acid

Print date: 05.03.2012

Product code: 2860

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SECTION 1: Identification of the substance/mixture and of the company/undertaking

Product identifier

14-(R,S)-Fluoro-6-thiaheptadecanoic acid

Further trade names

Pentanoic acid, 5-[(8-fluoroundecyl)thio]-

Synonyms:

14-Fluoro-6-thiaheptadecanoic acid; FTHA

Chemical characterization (substance)

Pentanoic acid, 5-[(8-fluoroundecyl)thio]-

CAS No.: 137564-72-8

Details of the supplier of the safety data sheet

Company name: ABX advanced biochemical compounds
Biomedizinische Forschungsreagenzien GmbH

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Emergency telephone: +49 3528 4041 60

SECTION 2: Hazards identification

Route(s) of Entry

Signs and Symptoms of Exposure

Carcinogenicity (NTP):

Carcinogenicity (IARC):

Carcinogenicity (OSHA):

SECTION 3: Composition/information on ingredients

Substances

Sum formula: C16H31FO2S

Molecular weight: 306.48

Hazardous components

CAS No.	Components	Quantity
137564-72-8	14-(R,S)-Fluoro-6-thiaheptadecanoic acid	95 - 100 %

SECTION 4: First aid measures

Description of first aid measures

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After inhalation

Provide fresh air.

After contact with skin

After contact with skin, wash immediately with: Water. Change contaminated clothing.

After contact with eyes

Rinse immediately carefully and thoroughly with eye-bath or water.

After ingestion

If swallowed, immediately drink: Water. Immediately get medical attention.

SECTION 5: Firefighting measures**Extinguishing media****Suitable extinguishing media**Extinguishing materials should be selected according to the surrounding area. Suitable extinguishing media: Foam. Extinguishing powder. Carbon dioxide (CO₂). Atomized water.**Advice for firefighters**

In case of fire: Wear self-contained breathing apparatus.

Additional information

Contaminated fire-fighting water must be collected separately. Do not empty into drains or the aquatic environment.

SECTION 6: Accidental release measures**Environmental precautions**

Do not empty into drains or the aquatic environment.

Methods and material for containment and cleaning up

Collect mechanically. Treat the assimilated material according to the section on waste disposal.

SECTION 7: Handling and storage**Precautions for safe handling****Advice on safe handling**

Do not breathe dust. Conditions to avoid: skin contact. Eye contact. Wear personal protection equipment. Do not eat, drink, smoke or sneeze at the workplace.

Conditions for safe storage, including any incompatibilities**Requirements for storage rooms and vessels**

Keep container dry. Keep container tightly closed.

Further information on storage conditions

Recommended storage temperature:

of °C: -25

up to °C: -15

Protect against: Light.

SECTION 8: Exposure controls/personal protection**Control parameters****Exposure controls****Occupational exposure controls**

In case of open handling equipment with built-in suction must be used. Do not breathe dust.

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Protective and hygiene measures

Change contaminated clothing. Wash hands before breaks and at the end of work. When using do not eat or drink.

SECTION 9: Physical and chemical properties**Information on basic physical and chemical properties**

Form: fest
Color: off-white

Test method**Changes in the physical state**

Melting point: 52 - 54 °C
Water solubility: insoluble
Solubility in other solvents: diethyl ether chloroform

SECTION 10: Stability and reactivity

Stability: Stable
Possibility of Hazardous Reactions: Will not occur

Conditions to avoid

Light.

Hazardous decomposition products

Carbon dioxide. Carbon monoxide. Sulfur oxides. Fluorines-carbon-hydrogens.

SECTION 11: Toxicological information**Information on toxicological effects****Additional information on tests**

The classification was undertaken in accordance with the calculation method governed by the Preparations Directive (1999/45/EC).

SECTION 12: Ecological information**Further information**

Do not empty into drains or the aquatic environment. The classification was undertaken in accordance with the calculation method governed by the Preparations Directive (1999/45/EC).

SECTION 13: Disposal considerations**Waste treatment methods****Advice on disposal**

Do not empty into drains or the aquatic environment. Waste disposal according to official state regulations.

Contaminated packaging

Cleaned containers may be recycled.

SECTION 14: Transport information**US DOT 49 CFR 172.101**

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Proper shipping name

Not a hazardous material with respect to these transportation regulations.

Other applicable information

Not a hazardous material with respect to these transportation regulations.

SECTION 15: Regulatory information**U.S. Regulations****SECTION 16: Other information****Hazardous Materials Information Label (HMIS)**

Health:	1
Flammability:	0
Physical Hazard:	0
Personal Protection:	C

NFPA Hazard Ratings

Health:	0
Flammability:	0
Reactivity:	0
Unique Hazard:	

