

Material Safety Data Sheet

according to ANSI Z400.1-2004

1-Tosyloxy-4-pentyne

Print date: 05.06.2012

Product code: 6302

Page 1 of 4

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

Product identifier

1-Tosyloxy-4-pentyne

Further trade names

4-Pentyn-1-ol, 1-(4-methylbenzenesulfonate); 4-Pentyn-1-ol, 4-methylbenzenesulfonate

Synonyms:

4-Pentyn-1-ol tosylate; 4-Pentynyl p-toluenesulfonate; 4-Pentynyl tosylate; 5-(p-Toluenesulfonyloxy)pent-1-yne; 5-(Tosyloxy)-1-pentyne; Pent-4-ynyl p-tosylate; Toluene-4-sulfonic acid pent-4-ynyl ester

Chemical characterization (substance)

4-Pentyn-1-ol, 1-(4-methylbenzenesulfonate): 4-Pentyn-1-ol, 4-methylbenzenesulfonate

CAS No.: 77758-50-0

Details of the supplier of the safety data sheet

Company name:	ABX advanced biochemical compounds	
	Biomedizinische Forschungsreagenzien GmbH	
Street:	Heinrich-Gläserstraße 10-14	
Place:	D-01454 Radeberg	
Telephone:	+49 3528 4041 60	Telefax: +49 3528 4041 65
e-mail:	info@abx.de	
Contact person:	Dr. Jan Mollitor	Telephone: +49 3528 4041 718
e-mail:	mollitor@abx.de	
Internet:	http://www.abx.de	

Emergency telephone: +49 3528 4041 60

SECTION 2: Hazards identification

Route(s) of Entry

Signs and Symptoms of Exposure

Carcinogenicity (NTP):	Es liegen keine Informationen vor.
Carcinogenicity (IARC):	Es liegen keine Informationen vor.
Carcinogenicity (OSHA):	Es liegen keine Informationen vor.

SECTION 3: Composition/information on ingredients

Substances

Sum formula: C₁₂H₁₄O₃S
Molecular weight: 238.30

Hazardous components

CAS No.	Components	Quantity
77758-50-0	1-Tosyloxy-4-pentyne	95 - 100 %

SECTION 4: First aid measures

Material Safety Data Sheet

according to ANSI Z400.1-2004

1-Tosyloxy-4-pentyne

Print date: 05.06.2012

Product code: 6302

Page 2 of 4

Description of first aid measures**After inhalation**

Provide fresh air. In all cases of doubt, or when symptoms persist, seek medical advice.

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. In case of troubles or persistent symptoms, consult an ophthalmologist.

After ingestion

If swallowed, immediately drink: Water.

SECTION 5: Firefighting measures**Extinguishing media****Suitable extinguishing media**

Atomized water. Carbon dioxide (CO₂). Dry extinguishing powder. alcohol resistant foam.

Advice for firefighters

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

Additional information

Use a water spray jet to knock down vapours/gases/mists. Contaminated fire-fighting water must be collected separately. Do not empty into drains or the aquatic environment.

SECTION 6: Accidental release measures**Personal precautions, protective equipment and emergency procedures**

Provide adequate ventilation. Do not breathe gas/fumes/vapour/spray. Avoid contact with skin, eye and clothing. Wear personal protection equipment.

Environmental precautions

Do not empty into drains or the aquatic environment.

Methods and material for containment and cleaning up

Absorb with liquid-binding material (e.g. sand, diatomaceous earth, acid- or universal binding agents).
Treat the assimilated material according to the section on waste disposal.

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

In case of open handling equipment with built-in suction must be used. Do not breathe gas/fumes/vapour/spray.

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

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

Further information on storage conditions

Storage
of °C: -25
up to °C: -15
Protect against: Light.
Store under (Gas): argon. Nitrogen.

Material Safety Data Sheet

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Product code: 6302

Page 3 of 4

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 gas/fumes/vapour/spray.

Protective and hygiene measures

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

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

Form: liquid
Color: colourless , light yellow

Test method**Changes in the physical state**

Water solubility: insoluble
Solubility in other solvents: Dichloromethane: 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.

SECTION 11: Toxicological information**Information on toxicological effects****Acute toxicity**

Acute toxicity, inhalant.

Additional information on tests

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

Further information

Toxicological data are not available.

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

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Page 4 of 4

Waste treatment methods**Contaminated packaging**

Cleaned containers may be recycled.

SECTION 14: Transport information**US DOT 49 CFR 172.101****Proper shipping name**

Not a hazardous material with respect to 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:	2
Flammability:	0
Physical Hazard:	0
Personal Protection:	C

NFPA Hazard Ratings

Health:	2
Flammability:	0
Reactivity:	0
Unique Hazard:	

