

**Material Safety Data Sheet**

according to ANSI Z400.1-2004

**Tosyl-propargyl-triethylene glycol**

Print date: 08.06.2012

Product code: 6307

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

Tosyl-propargyl-triethylene glycol

**Further trade names**

Ethanol, 2-[2-[2-(2-propyn-1-yloxy)ethoxy]ethoxy]-, 1-(4-methylbenzenesulfonate); Ethanol, 2-[2-[2-(2-propynyloxy)ethoxy]ethoxy]-, 4-methylbenzenesulfonate

**Synonyms:**

TPTG; Tosyl-propargyl-triethylene glycole; Toluene-4-sulfonic acid 2-[2-(2-prop-2-ynyloxy-ethoxy)-ethoxy]-ethyl ester

**Chemical characterization ( substance )**

Ethanol, 2-[2-[2-(2-propyn-1-yloxy)ethoxy]ethoxy]-, 1-(4-methylbenzenesulfonate); Ethanol, 2-[2-[2-(2-propynyloxy)ethoxy]ethoxy]-, 4-methylbenzenesulfonate

CAS No.: 888009-94-7

**Details of the supplier of the safety data sheet**

Company name:	ABX advanced biochemical compounds		
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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):	Es liegen keine Informationen vor.
Carcinogenicity (IARC):	Es liegen keine Informationen vor.
Carcinogenicity (OSHA):	Es liegen keine Informationen vor.

**Other hazards**

Warning - substance not yet tested completely.

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

Sum formula:	C <sub>16</sub> H <sub>22</sub> O <sub>6</sub> S
Molecular weight:	342.41

**SECTION 4: First aid measures**

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**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 (CO<sub>2</sub>). 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.

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

**NFPA Hazard Ratings**

Health:	1
Flammability:	0
Reactivity:	0
Unique Hazard:	

