

Material Safety Data Sheet

according to ANSI Z400.1-2004

TMA-AP

Print date: 05.06.2012

Product code: 3350

Page 1 of 4

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

TMA-AP

Further trade names

2-Pyridinaminium, 3-[[[(2S)-1-[(1,1-dimethylethoxy)carbonyl]-2-azetidiny]methoxy]-N,N,N-trimethyl-, salt with trifluoromethanesulfonic acid (1:1)

Synonyms:

2-TMAAP; 2-TMA-A85380; (3-[2(S)-N-(tert-butoxycarbonyl)-2-azetidiny-methoxy]pyridin-2-yl)-trimethylammonium trifluoromethanesulfonate

Chemical characterization (substance)

2-Pyridinaminium, 3-[[[(2S)-1-[(1,1-dimethylethoxy)carbonyl]-2-azetidiny]methoxy]-N,N,N-trimethyl-, salt with trifluoromethanesulfonic acid (1:1)

CAS No.: 233766-75-1

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):	Toxicological data are not available.
Carcinogenicity (IARC):	Toxicological data are not available.
Carcinogenicity (OSHA):	Toxicological data are not available.

Other hazards

Warning - substance not yet tested completely.

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

Sum formula:	C ₁₇ H ₂₈ N ₃ O ₃ x CF ₃ SO ₃ S
Molecular weight:	471.49

SECTION 4: First aid measures

Material Safety Data Sheet

according to ANSI Z400.1-2004

TMA-AP

Print date: 05.06.2012

Product code: 3350

Page 2 of 4

Description of first aid measures**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: 2

up to °C: 8

Protect against: Light.Store under (Gas): argon.Nitrogen.

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

Material Safety Data Sheet

according to ANSI Z400.1-2004

TMA-AP

Print date: 05.06.2012

Product code: 3350

Page 3 of 4

Occupational exposure controls

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

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: 125 - 132 °C

Solubility in other solvents: dimethylsulphoxide (DMSO). chloroform Dichloromethane: Methanol. Ethanol.

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. Nitrogen oxides (NOx). Sulfur oxides. Fluorinated hydrocarbons.

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).

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**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.

Material Safety Data Sheet

according to ANSI Z400.1-2004

TMA-AP

Print date: 05.06.2012

Product code: 3350

Page 4 of 4

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:	1
Physical Hazard:	1
Personal Protection:	C

NFPA Hazard Ratings

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

