

SAFETY DATA SHEET

Revision Date 16-Nov-2010

PRODUCT AND COMPANY IDENTIFICATION

Revision Number 3

Product Identifier

Product Description: alpha-Toluenesulfonyl fluoride

215740000; 215740010; 215740050; 215740100 Cat No.

Synonyms Phenylmethylsulfonyl fluoride; Benzenemethanesulfonyl fluoride; PMSF

Relevant identified uses of the substance or mixture and uses advised against

Recommended Use Laboratory chemicals No Information available Uses advised against

Details of the supplier of the safety data sheet

Company

Acros Organics BVBA

Janssen Pharmaceuticalaan 3a

2440 Geel, Belgium

E-mail address begel.sdsdesk@thermofisher.com

Emergency Telephone Number

For information in the US, call: 800-ACROS-01 For information in Europe, call: +32 14 57 52 11

Emergency Number, Europe: +32 14 57 52 99 Emergency Number, US: 201-796-7100

CHEMTREC Phone Number, US: 800-424-9300 CHEMTREC Phone Number, Europe: 703-527-3887

2. HAZARDS IDENTIFICATION

Classification of the substance or mixture

REGULATION (EC) No 1272/2008

Acute oral toxicity	Category 3
Skin Corrosion / irritation	Category 1
Serious Eye Damage/Eye Irritation	Category 1

Classification according to EU Directives 67/548/EEC or 1999/45/EC

For the full text of the R phrases mentioned in this Section, see Section 16

Symbol(s) T - Toxic

R25 - Toxic if swallowed R -phrase(s) R34 - Causes burns

Label Elements

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2. HAZARDS IDENTIFICATION



Signal Word Danger

Hazard Statements

H318 - Causes serious eye damage

H301 - Toxic if swallowed

H314 - Causes severe skin burns and eye damage

Precautionary Statements - EU (§28, 1272/2008)

P301 + P310 - IF SWALLOWED: Immediately call a POISON CENTER or doctor/physician

P301 + P330 + P331 - IF SWALLOWED: rinse mouth. Do NOT induce vomiting

P280 - Wear eye protection/face protection

P305 + P351 + P338 - IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do.

Continue rinsing

P310 - Immediately call a POISON CENTER or doctor/physician

Other Hazards

No information available.

3. COMPOSITION/INFORMATION ON INGREDIENTS

Component	EC No.	Weight %	CAS-No	Classification	GHSCLAS	REACH Reg. No.
Benzenemethanesulfonyl fluoride	EEC No. 206-	99	329-98-6	T; R25	Skin Corr. 1B	=
329-98-6	350-2			C; R34	(H314)	
					Acute Tox. 3	
					(H301)	
					, ,	

For the full text of the R phrases mentioned in this Section, see Section 16

4. FIRST AID MEASURES

Description of first aid measures

Eye Contact Immediate medical attention is required Rinse immediately with plenty of water, also under the

eyelids, for at least 15 minutes

Skin Contact Wash off immediately with soap and plenty of water removing all contaminated clothes and

shoes Immediate medical attention is required

Ingestion Do not induce vomiting Call a physician immediately

Inhalation Remove from exposure, lie down Move to fresh air If breathing is difficult, give oxygen If not

breathing, give artificial respiration Immediate medical attention is required

Notes to Physician

Treat symptomatically

5. FIRE-FIGHTING MEASURES

Extinguishing media

Suitable Extinguishing Media

Carbon dioxide (CO₂) Dry chemical chemical foam Do not use a solid water stream as it may scatter and spread fire

Extinguishing media which must not be used for safety reasons

No information available.

Special hazards arising from the substance or mixture

Thermal decomposition can lead to release of irritating gases and vapors

Advice for fire-fighters

As in any fire, wear self-contained breathing apparatus pressure-demand, MSHA/NIOSH (approved or equivalent) and full protective gear

6. ACCIDENTAL RELEASE MEASURES

Personal precautions, protective equipment and emergency procedures

Ensure adequate ventilation

Environmental precautions

Prevent further leakage or spillage if safe to do so

Methods and material for containment and cleaning up

Sweep up or vacuum up spillage and collect in suitable container for disposal

7. HANDLING AND STORAGE

Precautions for Safe Handling

Do not breathe dust Do not breathe vapors or spray mist Do not get in eyes, on skin, or on clothing Use only in area provided with appropriate exhaust ventilation

Conditions for safe storage, including any incompatibilities

Keep in a dry, cool and well-ventilated place Keep container tightly closed Corrosives area

Specific End Uses

8. EXPOSURE CONTROLS / PERSONAL PROTECTION

Control parameters

Exposure limits

This product, as supplied, does not contain any hazardous materials with occupational exposure limits established by the region specific regulatory bodies.

Component

Benzenemethanesulfon yl fluoride

European Union	The United Kingdom	France	Belgium	Spain
		VME: 2.5 mg/m ³		

Component Benzenemethanesulfon

vl fluoride

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	Italy	Portugal	The Netherlands Finl		Denmark
1		TWA: 2.5 mg/m ³			

Component	Austria	Switzerland	Poland	Norway	Ireland

Component	Austria	Switzerland	Poland	Norway	Ireland
Benzenemethanesulfon				TWA: 0.6 mg/m ³	
yl fluoride					

Derived No Effect Level (DNEL)
Predicted No Effect Concentration

(PNEC)

No information available. No information available.

Exposure controls

Engineering Measures

Ensure adequate ventilation, especially in confined areas Ensure that eyewash stations and

safety showers are close to the workstation location

Personal protective equipment

Eye Protection Hand Protection Goggles Protective gloves

Skin and body protection Respiratory Protection

Wear appropriate protective gloves and clothing to prevent skin exposure

Follow the OSHA respirator regulations found in 29 CFR 1910.134 or European Standard EN

149. Use a NIOSH/MSHA or European Standard EN 149 approved respirator if exposure limits

are exceeded or if irritation or other symptoms are experienced

Hygiene Measures

Handle in accordance with good industrial hygiene and safety practice No information available.

Environmental exposure controls

9. PHYSICAL AND CHEMICAL PROPERTIES

Physical StateSolidAppearanceWhiteodorodorless

pHNo information available.Boiling Point/RangeNo information available.Melting Point/Range90 - 94°C / 194 - 201.2°FFlash PointNo information available.

Water Solubility hydrolysis
Molecular Formula C7 H7 F O2 S
Molecular Weight 174.19

10. STABILITY AND REACTIVITY

Reactivity

Chemical Stability

Stable under normal conditions. Moisture sensitive.

Possibility of Hazardous Reactions

Hazardous Polymerization

Hazardous polymerization does not occur.

Hazardous Reactions.

May react with metals and lead to the formation of flammable hydrogen gas..

Conditions to Avoid

Incompatible products, Exposure to moist air or water.

Incompatible Materials

Acids, Strong oxidizing agents, Strong bases.

Hazardous Decomposition Products

Carbon monoxide (CO). Carbon dioxide (CO₂). Sulfur oxides. Gaseous hydrogen fluoride (HF).

11. TOXICOLOGICAL INFORMATION

Information on Toxicological Effects

Acute Toxicity

Product Information Product does not present an acute toxicity hazard based on known or supplied information

Component Information

Chronic Toxicity

Carcinogenicity There are no known carcinogenic chemicals in this product

SensitizationNo information available.Mutagenic EffectsNo information availableReproductive EffectsNo information available.Developmental EffectsNo information available.Target OrgansNo information available.

Other Adverse Effects The toxicological properties have not been fully investigated. See actual entry in RTECS for

complete information

Endocrine Disruptor Information None known

12. ECOLOGICAL INFORMATION

Toxicity

Ecotoxicity effects Contains no substances known to be hazardous to the environment or that are not degradable

in waste water treatment plants

Persistence and degradability

No information available

Bioaccumulative potential

No information available.

Mobility in soil

No information available.

Results of PBT and vPvB assessment

Other adverse effects

No information available

13. DISPOSAL CONSIDERATIONS

Waste treatment methods

Waste from Residues / Unused

Dispose of in accordance with local regulations

Products

Contaminated Packaging Empty containers should be taken for local recycling, recovery or waste disposal

14. TRANSPORT INFORMATION

14. TRANSPORT INFORMATION

IMDG/IMO

UN-No 2923 Hazard Class 8 Subsidiary Hazard Class 6.1 Packing Group II

ADR

UN-No 2923 Hazard Class 8 Subsidiary Class 6.1 Packing Group II

IATA

UN-No 2923
Hazard Class 8
Subsidiary Hazard Class 6.1
Packing Group ||

15. REGULATORY INFORMATION

Safety, health and environmental regulations/legislation specific for the substance or mixture

International Inventories

Component	EINECS	ELINCS	NLP	TSCA	DSL	NDSL	PICCS	ENCS	CHINA	AICS	KECL
Benzenemethanesulfonyl fluoride	206-350-2	•		Χ	Χ	•	•	ı	Χ	-	-

Legend

TSCA - United States Toxic Substances Control Act Section 8(b) Inventory

EINECS/ELINCS - European Inventory Lists

DSL/NDSL - Canadian Domestic Substances List/Non-Domestic Substances List

PICCS - Philippines Inventory of Chemicals and Chemical Substances

ENCS - Japan Existing and New Chemical Substances

CHINA - China Inventory of Existing Chemical Substances

AICS - Inventory of Chemical Substances

KECL - Existing and Evaluated Chemical Substances

Chemical Safety Assessment

16. OTHER INFORMATION

Text of R phrases mentioned in Section 2-3

R25 - Toxic if swallowed R34 - Causes burns

Revision Date 16-Nov-2010 Revision Summary Not applicable

This safety data sheet complies with the requirements of Regulation (EC) No. 1907/2006

16. OTHER INFORMATION

Disclaimer

The information provided on this SDS is correct to the best of our knowledge, information and belief at the date of its publication. The information given is designed only as a guide for safe handling, use, processing, storage, transportation, disposal and release and is not to be considered as a warranty or quality specification. The information relates only to the specific material designated and may not be valid for such material used in combination with any other material or in any process, unless specified in the text

End of Safety Data Sheet
