

Safety Data Sheet

Methyl trifluoromethanesulfonate

Revision Date: 01/13/2011

Date Issued: 2/21/2018

1 IDENTIFICATION OF THE SUBSTANCE/PREPARATION AND THE COMPANY/UNDERTAKING

Product name	Methyl trifluoromethanesulfonate
Product code	KI-0002
CAS	333-27-7
REACH No.	A registration number is not available for this substance as the substance or its uses are exempted from registration, the annual tonnage does not require a registration or the registration is envisaged for a later registration deadline.
Identified uses	Laboratory chemicals, Manufacture of substances
Supplier	IoLiTec Ionic Liquids Technologies GmbH Salzstrasse 184 D – 74076 Heilbronn Germany
Telephone	+49 (0)7131-89839-0
Fax	+49 (0)7131-89839-109
Emergency telephone	+49 (0)176-84850874
Email	msds@iolitec.de

2 HAZARDS IDENTIFICATION

2.1 Classification of the substance or mixture

Classification (REGULATION (EC) No 1272/2008)

Flammable liquids (Category 3)

Skin corrosion (Category 1B)

Safety Data Sheet

Methyl trifluoromethanesulfonate

Revision Date: 01/13/2011

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Classification (67/548/EEC or 1999/45/EC)

Flammable. Causes burns.

2.2 Label elements

Labelling (REGULATION (EC) No 1272/2008)



Signal word: **Danger**

Hazard statements

H-phrases

H226

Flammable liquid and vapour.

H314

Causes severe skin burns and eye damage.

Precautionary statements

P phrases

P280

Wear protective gloves/protective clothing/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.

Labelling (67/548/EEC or 1999/45/EC)

C

Corrosive

Risk phrases

R10

Flammable.

R34

Causes burns.

Safety Data Sheet

Methyl trifluoromethanesulfonate

Revision Date: 01/13/2011

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Safety phrases

S26	In case of contact with eyes, rinse immediately with plenty of water and seek medical advice.
S36/37/39	Wear suitable protective clothing, gloves and eye/face protection.
S45	In case of accident or if you feel unwell, seek medical advice immediately (show the label where possible).

3 COMPOSITION/INFORMATION ON INGREDIENTS

Ingredient name	Contents	Health(Class)	Risk(H/No.)
Methyl trifluoromethanesulfonate	>98%	Flam. Liq. 3; Skin Corr. 1B;	H226, H314 C, R10 - R34

4 FIRST AID MEASURES

General	Consult a physician. Show this safety data sheet to the doctor in attendance.
Inhalation	If breathed in, move person into fresh air. If not breathing give artificial respiration Consult a physician.
Ingestion	Do NOT induce vomiting. Never give anything by mouth to an unconscious person. Rinse mouth with water. Consult a physician.
Skin	Take off contaminated clothing and shoes immediately. Wash off with soap and plenty of water. Consult a physician.

Safety Data Sheet

Methyl trifluoromethanesulfonate

Revision Date: 01/13/2011

Date Issued: 2/21/2018

Eyes	Rinse thoroughly with plenty of water for at least 15 minutes and consult a physician.
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5 FIRE FIGHTING MEASURES

Extinguishing media	Use water spray, alcohol-resistant foam, dry chemical or carbon dioxide.
Special fire fighting procedures	Avoid water in straight hose stream, will scatter and spread fire. Keep run-off water out of sewers and water sources. Dike for water control.
Unusual fire & explosion hazards	Vapours may form explosive mixture with air.
Protective measures in fire	Wear self contained breathing apparatus for fire fighting if necessary.

6 ACCIDENTAL RELEASE MEASURES

Personal precautions during spill	Wear protective clothing and avoid inhalation of vapor, skin or eye contact. Ensure adequate ventilation. Evacuate personnel to safe areas.
Precautions to protect environment	Avoid washing into water courses. Avoid contaminating public drains or water supply.
Spill cleanup methods	Avoid contact with skin or inhalation of spillage, dust or vapor, Avoid dust formation. Soak up with inert absorbent material and dispose of as hazardous waste. Keep in suitable, closed containers for disposal.

Safety Data Sheet

Methyl trifluoromethanesulfonate

Revision Date: 01/13/2011

Date Issued: 2/21/2018

7 HANDLING AND STORAGE

Handling

Avoid contact with skin and eyes. Avoid inhalation of vapour or mist. Keep away from sources of ignition - No smoking. Take measures to prevent the build up of electrostatic charge.

Storage

Store in cool place. Keep container tightly closed in a dry and well-ventilated place. Containers which are opened must be carefully resealed and kept upright to prevent leakage. Handle and store under inert gas.

8 EXPOSURE CONTROLS AND PERSONAL PROTECTION

Protective equipment

Safety goggles. Chemical resistant gloves. Protective clothing.

Process control measures

Provide eyewash station and safety shower. Use engineering controls to reduce air contamination to permissible exposure levels.

Ventilation

Provide adequate general and local exhaust ventilation.

Respirators

Where risk assessment shows air-purifying respirators are appropriate use a full-face respirator with multipurpose combination (US) or type ABEK (EN 14387) respirator cartridges as a backup to engineering controls. If the respirator is the sole means of protection, use a full-face supplied air respirator. Use respirators and components tested and approved under appropriate government standards such as NIOSH(US) or CEN (EU).

Safety Data Sheet

Methyl trifluoromethanesulfonate

Revision Date: 01/13/2011

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Other protection

Wear overalls and industrial shoes. Handle in accordance with good industrial hygiene and safety practice. Wash hands before breaks and at the end of workday.

9 PHYSICAL AND CHEMICAL PROPERTIES

Appearance	Liquid
Color	Colourless to yellow
Odor/Taste	Not Available
Boiling point	94 – 99 °C – lit.
Flash point	38 °C – closed cup
Density	1,45 g/cm ³ at 25 °C

10 STABILITY AND REACTIVITY

Stability
Conditions to avoid

Stable under recommended storage conditions.
Incompatible materials, exposure to moist or water.

Hazardous

Decomposition Products

High temperatures generate: Corrosive gases/vapor/fumes of: Carbon dioxide (CO₂). Carbon monoxide (CO). Nitrous gases (NO_x).

11 TOXICOLOGICAL INFORMATION

Ingestion	Toxic if swallowed
Skin	Toxic in contact with skin
Eyes	Causes eye burns

Safety Data Sheet

Methyl trifluoromethanesulfonate

Revision Date: 01/13/2011

Date Issued: 2/21/2018

12 ECOLOGICAL INFORMATION

Environmental hazards

Avoid washing into water courses. Avoid contaminating public drains or water supply.

13 DISPOSAL CONSIDERATIONS

Disposal method

Contact specialist disposal companies. Dispose of in accordance with Local Authority requirements. Recover and reclaim or recycle, if practical.

14 TRANSPORT INFORMATION

Road/Rail transport notes

Corrosive Liquid, flammable, n.o.s. (Methyl trifluoromethanesulfonate)
Hazard Class: 8 (3)
UN Number : 2920
Packing Group: II

Sea transport notes

Corrosive Liquid, flammable, n.o.s. (Methyl trifluoromethanesulfonate)
Hazard Class: 8 (3)
UN Number : 2920
Packing Group: II

Air transport notes

Corrosive Liquid, flammable, n.o.s. (Methyl trifluoromethanesulfonate)
Hazard Class: 8 (3)
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15 REGULATORY INFORMATION

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

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

German Regulation VwVwS (Self-assessment):

Water hazard class 3 (WGK3): severe hazard to waters. Do not allow to enter waters, waste water, or soil.

15.2 Chemical Safety Assessment

no data available

16 OTHER INFORMATION

DISCLAIMER

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