

Safety Data Sheet

1-Ethyl-3-methylimidazolium methylcarbonate, 27-30% in Methanol

Revision Date: 12/05/2016

Date Issued: 2/28/2018

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

Product name	1-Ethyl-3-methylimidazolium methylcarbonate, 30% in Methanol
Product code	IN-0027
CAS	251102-25-7
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 (REGULTATION (EC) No 1272/2008)

Flammable liquids (Category 3)

Acute toxicity, Inhalation (Category 4)

Safety Data Sheet

1-Ethyl-3-methylimidazolium methylcarbonate, 27-30% in Methanol

Revision Date: 12/05/2016

Date Issued: 2/28/2018

Acute toxicity, Dermal (Category 4)

Acute toxicity, Oral (Category 4)

Skin irritation (Category 2)

Eye irritation (Category 2)

Specific target organ toxicity - single exposure (Category 3)

Specific target organ toxicity - single exposure (Category 1)

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

Toxic by inhalation, in contact with skin and if swallowed. Toxic: danger of very serious irreversible effects

through inhalation, in contact with skin and if swallowed. Irritating to eyes, respiratory system and skin.

2.2 Label elements

Labelling (REGULATION (EC) No 1272/2008)



Signal word

Danger

Hazard statements

H-phrases

H226	Flammable liquid and vapour.
H302	Harmful if swallowed.
H312	Harmful in contact with skin.
H315	Causes skin irritation.
H319	Causes serious eye irritation.
H332	Harmful if inhaled.
H335	May cause respiratory irritation.
H370	Causes damage to organs.

Safety Data Sheet

1-Ethyl-3-methylimidazolium methylcarbonate, 27-30% in Methanol

Revision Date: 12/05/2016

Date Issued: 2/28/2018

Precautionary statements

P phrases

P260	Do not breathe dust/ fume/ gas/ mist/ vapours/ spray.
P280	Wear protective gloves/ protective clothing.
P305 + P351 + P338	IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.
P307 + P311	IF exposed: Call a POISON CENTER or doctor/ physician.

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

T	Toxic
---	-------

Risk phrases

R23/24/25	Toxic by inhalation, in contact with skin and if swallowed.
R36/37/38	Irritating to eyes, respiratory system and skin.
R39/23/24/25	Toxic: danger of very serious irreversible effects through inhalation, in contact with skin and if swallowed.

Safety phrases

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

Safety Data Sheet

1-Ethyl-3-methylimidazolium methylcarbonate, 27-30% in Methanol

Revision Date: 12/05/2016

Date Issued: 2/28/2018

3 COMPOSITION/INFORMATION ON INGREDIENTS

Ingredient name	CAS	Contents	Health(Class)	Risk(R/No.)
1-Ethyl-3-methylimidazolium methylcarbonate, H315, H319,	916850-37-8	30%	Skin Irrit. 2; Eye Irrit. 2; STOT SE 3	H335 ,R36/37/38
Methanol	67-56-1	70%	Flam. Liq. 2; Acute Tox. 3; STOT SE 1;H225,	H301,H311, H331, H370R10, R23/24/25, R39/23/24/25

4 FIRST AID MEASURES

General	Contaminated clothing should be removed and washed before being reused.
Inhalation	Move the exposed person to fresh air at once. If respiratory problems, provide artificial respiration/oxygen.
Ingestion	Immediately rinse mouth and provide fresh air. Do not induce vomiting. Get medical attention immediately.
Skin	Wash the skin immediately with soap and water.
Eyes	Promptly wash eyes with plenty of water while lifting the eye lids. Continue to rinse for at least 15 minutes. Get medical attention immediately. Continue to rinse.

Safety Data Sheet

1-Ethyl-3-methylimidazolium methylcarbonate, 27-30% in Methanol

Revision Date: 12/05/2016

Date Issued: 2/28/2018

5 FIRE FIGHTING MEASURES

Extinguishing media	Use: Water spray, fog or mist. Carbon dioxides (CO ₂). Dry chemicals, sand, dolomite etc.
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	Fire causes formation of toxic gases.
Protective measures in fire	Wear self-contained breathing apparatus as combustion may produce hazardous fumes.

6 ACCIDENTAL RELEASE MEASURES

Personal precautions during spill	Wear protective clothing and avoid inhalation of vapor, skin or eye contact.
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. Collect and reclaim or dispose in sealed containers in license waste. Extinguish all ignition sources. Avoid sparks, flames, heat and smoking. Ventilate.

Safety Data Sheet

1-Ethyl-3-methylimidazolium methylcarbonate, 27-30% in Methanol

Revision Date: 12/05/2016

Date Issued: 2/28/2018

7 HANDLING AND STORAGE

Usage precautions	Keep away from heat, sparks and open flame. Do not use in confined spaces without adequate ventilation and/or respirator.
Storage precautions	Store at moderate temperatures in dry, well ventilated area.
Storage criteria	Chemical storage.

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	Use high efficiency particulate respirator with appropriate filter.
Other protection	Wear overalls and industrial shoes.

9 PHYSICAL AND CHEMICAL PROPERTIES

Appearance	Liquid.
Color	Colorless to yellow.
Odor/taste	Alcohol-like.
Flash Point	26 °C

Safety Data Sheet

1-Ethyl-3-methylimidazolium methylcarbonate, 27-30% in Methanol

Revision Date: 12/05/2016

Date Issued: 2/28/2018

Explosion Limits, lower	6.00 vol %
Explosion Limits, upper	31.00 vol %
Solubility in water	Miscible.

10 STABILITY AND REACTIVITY

Stability	No particular stability concerns.
Conditions to avoid	Avoid contact to strong oxidizers, bases and acids.
Hazardous	
Decomposition Products	High temperatures generate: Corrosive gases/vapor/fumes of: Carbon dioxide (CO ₂). Carbon monoxide (CO). Nitrous gases (NO _x).

11 TOXICOLOGICAL INFORMATION

Ingestion	not available.
Skin	not available.
Eyes	not available

Data on the toxicity of this product are not available. Hazardous properties cannot be excluded.

12 ECOLOGICAL INFORMATION

Environmental hazards	Avoid washing into water courses. Avoid contaminating public drains or water supply.
------------------------------	--

Safety Data Sheet

1-Ethyl-3-methylimidazolium methylcarbonate, 27-30% in Methanol

Revision Date: 12/05/2016

Date Issued: 2/28/2018

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

ADR/RID

UN 1987, Class 3, PG III
Alcoholes, n.o.s. (1-Ethyl-3-methylimidazolium methylcarbonate 50% in Methanol)

IMDG

UN 1987, Class 3, PG III
Alcoholes, n.o.s. (1-Ethyl-3-methylimidazolium methylcarbonate 50% in Methanol)
Marine pollutant: No

IATA

UN 1987, Class 3, PG III
Alcoholes, n.o.s. (1-Ethyl-3-methylimidazolium methylcarbonate 50% in Methanol)

15 REGULATORY INFORMATION

Text of H-code(s) and R-phrase(s) mentioned in Section 3

Acute Tox.

Acute toxicity

Eye Irrit.

Eye irritation

Safety Data Sheet

1-Ethyl-3-methylimidazolium methylcarbonate, 27-30% in Methanol

Revision Date: 12/05/2016

Date Issued: 2/28/2018

Flam. Liq.	Flammable liquids
H225	Highly flammable liquid and vapour.
H301	Toxic if swallowed.
H311	Toxic in contact with skin.
H315	Causes skin irritation.
H319	Causes serious eye irritation.
H331	Toxic if inhaled.
H335	May cause respiratory irritation.
H370	Causes damage to organs.
Skin Irrit.	Skin irritation
STOT SE	Specific target organ toxicity - single exposure
F	Highly flammable
R11	Highly flammable.
R23/24/25	oxic by inhalation, in contact with skin and if swallowed.
R36/37/38	Irritating to eyes, respiratory system and skin.
T	Toxic
R39/23/24/25	Toxic: danger of very serious irreversible effects through inhalation, in contact with skin and if swallowed.
Xi	Irritant

Country specific information

Germany WGK: 3 (Self-Classification)

Safety Data Sheet

1-Ethyl-3-methylimidazolium methylcarbonate, 27-30% in Methanol

Revision Date: 12/05/2016

Date Issued: 2/28/2018

16 OTHER INFORMATION

DISCLAIMER

THE ABOVE INFORMATION IS BELIEVED TO BE CORRECT BUT DOES NOT PURPOSED TO BE ALL INCLUSIVE AND SHALL BE USED ONLY AS A GUIDE. IOLITEC SHALL NOT BE HELD LIABLE FOR ANY DAMAGE RESULTING FROM HANDLING OR FROM CONTACT WITH THE ABOVE PRODUCT. THIS INFORMATION RELATES ONLY TO THE SPECIFIC MATERIAL DESIGNATED AND MAY NOT BE VALID FOR SUCH MATERIAL USED IN COMBINATION WITH ANY OTHER MATERIALS OR ANY PROCESS. IT IS THE USER'S RESPONSIBILITY TO SATISFY HIMSELF AS TO THE SUITABILITY OF SUCH INFORMATION FOR HIS OWN PARTICULAR USE.

IN NO WAY SHALL IOLITEC BE LIABLE FOR ANY CLAIMS, LOSSES OR DAMAGES OF ANY THIRD PARTY OR FOR THE LOST PROFITS OR ANY SPECIAL, INDIRECT, INCIDENTAL, CONSEQUENTIAL OR EXEMPLARY DAMAGES, HOWSOEVER ARISING, EVEN IF THE COMPANY HAS BEEN ADVISED OF THE POSSIBILITY OF SUCH DAMAGES.