

Safety Data Sheet

1-Ethyl-3-methylimidazolium acetate

Revision Date: 7/26/2020

Date Issued: 1/8/2021

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

Product name	1-Ethyl-3-methylimidazolium acetate
Product code	IL-0189
CAS	143314-17-4
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)

Skin irritation (Category 2)

Skin sensitization (Category 1B)

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2.2 Label elements

Labelling (REGULATION (EC) No 1272/2008)

Signal word: Warning

Pictogram:



Hazard statements

H-phrases

H315: Causes skin irritation.

H317: May cause an allergic skin reaction.

Precautionary statements

P phrases

P261: Avoid breathing dust/ fume/ gas/ mist/ vapours/ spray.

P264: Wash thoroughly after handling.

P272: Contaminated work clothing should not be allowed out of the workplace.

P280: Wear protective gloves/ protective clothing/ eye protection/ face protection.

P302+P352: IF ON SKIN: Wash with plenty of water.

P332+P313: If skin irritation occurs: Get medical advice/ attention.

P333+P313: If skin irritation or rash occurs: Get medical advice/ attention.

P362+P364: Take off contaminated clothing and wash it before reuse.

P262: Do not get in eyes, on skin, or on clothing

P305 + P351 + P338: IF IN EYES: Rinse continuously with water for several minutes. Remove contact lenses if present and easy to do – continue rinsing.

P313: Get medical advice/ attention

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3 COMPOSITION/INFORMATION ON INGREDIENTS

Ingredient name	Contents	Health(Class)	Risk(R/No.)
1-Ethyl-3-methylimidazolium acetate	>95%	Skin Irrit. 2, Skin Sens. 1B	H315, H318

4 FIRST AID MEASURES

Inhalation	If breathed in, move person into fresh air. If not breathing, give artificial respiration.
Ingestion	Never give anything by mouth to an unconscious person. Rinse mouth with water.
Skin	Wash off with soap and plenty of water.
Eyes	Flush eyes with water as a precaution.

5 FIRE FIGHTING MEASURES

5.1 Extinguishing media

Suitable extinguishing media

Use water spray, alcohol-resistant foam, dry chemical or carbon dioxide.

5.2 Special hazards arising from the substance or mixture

Carbon oxides, nitrogen oxides (NO_x)

5.3 Advice for firefighters

Wear self contained breathing apparatus for fire fighting if necessary.

5.4 Further information

no data available

6 ACCIDENTAL RELEASE MEASURES

6.1 Personal precautions, protective equipment and emergency procedures

Avoid breathing vapors, mist or gas.

6.2 Environmental precautions

Do not let product enter drains.

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6.3 Methods and materials for containment and cleaning up

Keep in suitable, closed containers for disposal.

6.4 Reference to other sections

For disposal see section 13.

7 HANDLING AND STORAGE

Usage precautions

no data available.

Storage precautions

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.

Storage criteria

Chemical storage.

8 EXPOSURE CONTROLS AND PERSONAL PROTECTION

8.1 Control parameters

Components with workplace control parameters

8.2 Exposure controls

Appropriate engineering controls

General industrial hygiene practice.

Personal protective equipment

Eye/face protection

Use equipment for eye protection tested and approved under appropriate government standards such as NIOSH (US) or EN 166(EU).

Skin protection

Handle with gloves. Gloves must be inspected prior to use. Use proper glove removal technique (without touching glove's outer surface) to avoid skin contact with this product. Dispose of contaminated gloves after use in accordance with applicable laws and good laboratory practices. Wash and dry hands. The selected protective gloves have to satisfy the specifications of EU Directive 89/686/EEC and the standard EN 374 derived from it.

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Body Protection

Impervious clothing, The type of protective equipment must be selected according to the concentration and amount of the dangerous substance at the specific workplace.

Respiratory protection

Respiratory protection not required. For nuisance exposures use type OV/AG (US) or type ABEK (EU EN 14387) respirator cartridges. Use respirators and components tested and approved under appropriate government standards such as NIOSH (US) or CEN (EU).

9 PHYSICAL AND CHEMICAL PROPERTIES

9.1 Information on basic physical and chemical properties

- | | |
|--|----------------------------------|
| a) Appearance Form: | liquid |
| b) Odour: | no data available |
| c) Odour Threshold: | no data available |
| d) pH: | 5,4 at 100 g/l |
| e) Melting point/freezing point | Melting point/range: > 30 °C |
| f) Initial boiling point and boiling range: | no data available |
| g) Flash point: | 164 °C |
| h) Evaporation rate: | no data available |
| i) Flammability (solid, gas): | no data available |
| j) Upper/lower flammability or explosive limits: | no data available |
| k) Vapour pressure: | no data available |
| l) Vapour density: | no data available |
| m) Relative density: | 1,027 g/cm ³ at 25 °C |
| n) Water solubility: | no data available |
| o) Partition coefficient: n-octanol/water: | log Pow: < 0,3 |
| p) Autoignition temperature: | no data available |
| q) Decomposition temperature: | no data available |
| r) Viscosity: | no data available |
| s) Explosive properties: | no data available |
| t) Oxidizing properties: | no data available |

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10 STABILITY AND REACTIVITY

Stability	No particular stability concerns.
Conditions to avoid	Avoid contact to strong oxidizers.
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

11.1 Information on toxicological effects

Acute toxicity

LD50 Rat >2000mg/ kg (OECD Guideline 423)

Skin corrosion/irritation

LD50 Rat >2000mg/kg<5000mg/kg (OECD Guideline 402)

Serious eye damage/eye irritation

Non-irritant (NI) OECD Guideline 492,

Respiratory or skin sensitization

no data available

Germ cell mutagenicity

no data available

Carcinogenicity

IARC: No component of this product present at levels greater than or equal to 0.1% is identified as probable, possible or confirmed human carcinogen by IARC.

Reproductive toxicity

no data available

Specific target organ toxicity - single exposure

no data available

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Specific target organ toxicity - repeated exposure

no data available

Aspiration hazard

no data available

Potential health effects

Inhalation May be harmful if inhaled. May cause respiratory tract irritation.

Ingestion May be harmful if swallowed.

Skin May be harmful if absorbed through skin. May cause skin irritation.

Eyes May cause eye irritation.

Signs and Symptoms of Exposure

To the best of our knowledge, the chemical, physical, and toxicological properties have not been thoroughly investigated.

Additional Information

RTECS: Not available

12 ECOLOGICAL INFORMATION

12.1 Toxicity

no data available

12.2 Persistence and degradability

no data available

12.3 Bioaccumulative potential

no data available

12.4 Mobility in soil

no data available

12.5 Results of PBT and vPvB assessment

no data available

12.6 Other adverse effects

no data available

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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

General	Not classified as dangerous for transport purposes.
UN No.	0
Road transport notes	Not classified as dangerous for road transport.
Rail transport notes	Not classified as dangerous for rail transport.
Sea transport notes	Not classified as dangerous for sea transport.
Air transport notes	Not classified as dangerous for air transport.

15 REGULATORY INFORMATION

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

no data available

15.2 Chemical Safety Assessment

no data available

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16 OTHER INFORMATION

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