

# Safety Data Sheet

## 1-Ethyl-3-methylimidazolium acetate

Revision Date: 7/26/2020

Date Issued: 2/16/2021

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

<b>Product name</b>	1-Ethyl-3-methylimidazolium acetate
<b>Product code</b>	IL-0189
<b>CAS</b>	143314-17-4
<b>REACH No.</b>	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.
<b>Identified uses</b>	Laboratory chemicals, Manufacture of substances
<b>Supplier</b>	IoLiTec Ionic Liquids Technologies GmbH Salzstrasse 184 D – 74076 Heilbronn Germany
<b>Telephone</b>	+49 (0)7131-89839-0
<b>Fax</b>	+49 (0)7131-89839-109
<b>Emergency telephone</b>	+49 (0)176-84850874
<b>Email</b>	msds@iolitec.de

### 2 HAZARDS IDENTIFICATION

#### 2.1 Classification of the substance or mixture

##### Classification (REGULTATION (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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### Hazards not otherwise classified (HNOC)

Hazards not otherwise classified Not applicable.

### Other Information

Unknown acute toxicity. 100% of the mixture consists of ingredient(s) of unknown toxicity

### NFPA / HMIS



Health hazards	<b>1</b>
Flammability	<b>0</b>
Stability	<b>0</b>
Physical and chemical properties	-

## 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

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

## 5 FIRE FIGHTING MEASURES

### 5.1 Extinguishing media

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### 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<sub>x</sub>)

### 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.

### 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

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### 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.

##### 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

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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 <sup>3</sup> 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

### 10 STABILITY AND REACTIVITY

<b>Stability</b>	No particular stability concerns.
<b>Conditions to avoid</b>	Avoid contact to strong oxidizers.
<b>Hazardous</b>	
<b>Decomposition Products</b>	High temperatures generate: Corrosive gases/ vapor/ fumes of: Carbon dioxide (CO <sub>2</sub> ). Carbon monoxide (CO). Nitrous gases (NO <sub>x</sub> ).

### 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)

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### **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

### **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

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### 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

### 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.



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<b>Sea transport notes</b>	Not classified as dangerous for sea transport.
<b>Air transport notes</b>	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

### 16 OTHER INFORMATION

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