

# Safety Data Sheet

IoLiLyt EP-0007

Revision Date: 5/2/2015  
Date Issued: 10/5/2017

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

<b>Product name</b>	1-Ethyl-3-methylimidazolium chloride/ Aluminium chloride (1:2)
<b>Product code</b>	EP-0007
<b>CAS</b>	n/a
<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 corrosion (Category 1B)

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

Reacts violently with water. Causes burns.

## 2.2 Label elements

### Labelling (REGULATION (EC) No 1272/2008)



Signal word: **Danger**

### Hazard statements

#### H-phrases

H314 Causes severe skin burns and eye damage.

### Precautionary statements

#### P phrases

P280 Wear protective gloves/protective clothing/eyeprotection/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.

### Supplemental Hazard information (EU)

EUH014 Reacts violently with water.

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

C Corrosive

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### Risk phrases

R14 Reacts violently with water.  
R34 Causes burns.

### 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.  
S43 In case of fire, use fire-fighting equipment on basis class D.  
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.)
1-Ethyl-3-methylimidazolium chloride/ Aluminium chloride	33%/66%		Skin Corr. 1B (H314)

## 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.

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<b>Skin</b>	Take off contaminated clothing and shoes immediately. Wash off with soap and plenty of water. Consult a physician.
<b>Eyes</b>	Rinse thoroughly with plenty of water for at least 15 minutes and consult a physician.

### 5 FIRE FIGHTING MEASURES

<b>Extinguishing media</b>	Dry powder Do not use Water
<b>Special hazards arising from the substance or mixture</b>	Carbon oxides, nitrogen oxides (NO <sub>x</sub> ), Hydrogen chloride gas, Aluminum oxide
<b>Protective measures in fire</b>	Wear self contained breathing apparatus for fire fighting if necessary.
<b>Further information</b>	no data available

### 6 ACCIDENTAL RELEASE MEASURES

<b>Personal precautions during spill</b>	Wear protective clothing and avoid inhalation of vapor, skin or eye contact. Ensure adequate ventilation. Evacuate personnel to safe areas.
<b>Precautions to protect environment</b>	Avoid washing into water courses. Avoid contaminating public drains or water supply.
<b>Spill cleanup methods</b>	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.

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## 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).

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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

<b>Appearance</b>	Liquid
<b>Color</b>	orange to brown
<b>Odor/Taste</b>	no specific odor/taste

### 10 STABILITY AND REACTIVITY

<b>Stability</b>	Stable under recommended storage conditions.
<b>Conditions to avoid</b>	Incompatible materials, exposure to moist or water. Reacts violently with water.
<b>Hazardous</b>	
<b>Decomposition Products</b>	Other decomposition products - no data available

### 11 TOXICOLOGICAL INFORMATION

<b>Inhalation</b>	May be harmful if inhaled. Material is extremely destructive to the tissue of the mucous membranes and upper respiratory tract.
<b>Ingestion</b>	May be harmful if swallowed. Causes burns.
<b>Skin</b>	May be harmful if absorbed through skin. Causes skin burns.
<b>Eyes</b>	Causes eye burns.

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**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**

<b>UN-Number</b>		
ADR/RID: 3265	IMDG: 3265	IATA: 3265
<b>UN proper shipping name</b>		
ADR/RID:	Corrosive liquid, acidic, organic, n.o.s. (1-Ethyl-3-methylimidazolium tetrachloroaluminate)	
IMDG:	Corrosive liquid, acidic, organic, n.o.s. (1-Ethyl-3-methylimidazolium tetrachloroaluminate)	
IATA:	Corrosive liquid, acidic, organic, n.o.s. (1-Ethyl-3-methylimidazolium tetrachloroaluminate)	
<b>Transport hazard class(es)</b>		
ADR/RID: 8	IMDG: 8	IATA: 8
<b>Packaging group</b>		
ADR/RID: II	IMDG: II	IATA: II
<b>Environmental hazards</b>		
ADR/RID: no	IMDG Marine pollutant: no	IATA: no

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## 15 REGULATORY INFORMATION

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

## 16 OTHER INFORMATION

### DISCLAIMER

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