

# Safety Data Sheet

IoLiLyt EP-0001

Revision Date: 1/07/2015

Date Issued: 7/22/2017

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

<b>Product name</b>	1-Ethyl-3-methylimidazolium tetrachloroaluminate (1:1.5)
<b>Product code</b>	EP-0001
<b>CAS</b>	80432-05-9
<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)179-5322578
<b>Email</b>	msds@iolitec.de

## 2 HAZARDS IDENTIFICATION

### 2.1 Classification of the substance or mixture

**Classification (REGULATION (EC) No 1272/2008)**

Skin corrosion (Category 1B)

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

Reacts violently with water. Causes burns.

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## 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

#### **Risk phrases**

R14 Reacts violently with water.

R34 Causes burns.

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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.
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 tetrachloroaluminate (1:1.5)	>98%		Skin Corr. 1B (H314)

## 4 FIRST AID MEASURES

<b>General</b>	Consult a physician. Show this safety data sheet to the doctor in attendance.
<b>Inhalation</b>	If breathed in, move person into fresh air. If not breathing give artificial respiration Consult a physician.
<b>Ingestion</b>	Do NOT induce vomiting. Never give anything by mouth to an unconscious person. Rinse mouth with water. Consult a physician.
<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.

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## 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 (NOx), 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 mist formation. Soak up with inert absorbent material and dispose of as hazardous waste. Keep in suitable, closed containers for disposal.

## 7 HANDLING AND STORAGE

<b>Handling</b>	Avoid contact with skin and eyes. Avoid inhalation of vapour or mist. Avoid contact with water.
<b>Storage</b>	Store in cool place. Keep container tightly closed in a dry and well-ventilated place.

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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

### Eye/face protection

Tightly fitting safety goggles. Faceshield (8-inch minimum). 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.

Suggested Protective Gloves According EN 420, EN 388, EN 374, AQL 0,65:

Material: Polychloropren, 0.65mm (Camapren® 720)

### Body Protection

Complete suit protecting against chemicals, Flame retardant protective 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

Where risk assessment shows air-purifying respirators are appropriate use a full-face respirator with multi-purpose 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).

### Control of environmental exposure

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Do not let product enter drains.

## 9 PHYSICAL AND CHEMICAL PROPERTIES

<b>Appearance</b>	Liquid
<b>Color</b>	orange to brown
<b>Odor/Taste</b>	no specific odor/taste
<b>Melting Point</b>	9 °C (lit)
<b>Relative Density</b>	1.284 g/cm <sup>3</sup> at 25°C
<b>Conductivity</b>	3,159 mS/cm <sup>2</sup>

## 10 STABILITY AND REACTIVITY

<b>Stability</b>	Stable under recommended storage conditions.
<b>Conditions to avoid</b>	<b>Incompatible materials, exposure to moist or water. Reacts violently with water.</b>
<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

### UN-Number

ADR/RID: 3265

IMDG: 3265

IATA: 3265

### UN proper shipping name

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)

### Transport hazard class(es)

ADR/RID: 8

IMDG: 8

IATA: 8

### Packaging group

ADR/RID: II

IMDG: II

IATA: II

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## Environmental hazards

ADR/RID: no

IMDG Marine pollutant: no

IATA: no

## 15 REGULATORY INFORMATION

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

## 16 OTHER INFORMATION

### DISCLAIMER

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