

Safety Data Sheet

IoLiLyt EP-0003

Revision Date: 12/08/2015

Date Issued: 10/5/2017

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

Product name	1-Ethyl-3-methylimidazolium tetrachloroaluminate with additives
Product code	EP-0003
CAS	80432-05-9
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)

Skin corrosion (Category 1B)

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

Flammable. Reacts violently with water. Causes burns.

2.2 Label elements

Labelling (REGULATION (EC) No 1272/2008)



Signal word: **Danger**

Hazard statements

H-phrases

H226	Flammable liquid and vapour.
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.
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Labelling (67/548/EEC or 1999/45/EC)

C	Corrosive
F	Flammable

Risk phrases

R10	Flammable.
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 tetrachloroaluminate	>98%		Skin Corr. 1B (H314)
Additives			Flammable 3 (H226)

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

5 FIRE FIGHTING MEASURES

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

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6 ACCIDENTAL RELEASE MEASURES

Personal precautions during spill Wear protective clothing and avoid inhalation of vapor, skin or eye contact. Ensure adequate ventilation. Evacuate personnel to safe areas.

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. Soak up with inert absorbent material and dispose of as hazardous waste. Keep in suitable, closed containers for disposal.

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.

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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).

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

Appearance

Liquid

Color

orange to brown

Odor/Taste

no specific odor/taste

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10 STABILITY AND REACTIVITY

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

11 TOXICOLOGICAL INFORMATION

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

12 ECOLOGICAL INFORMATION

Environmental hazards	Avoid washing into water courses. Avoid contaminating public drains or water supply.
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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.
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14 TRANSPORT INFORMATION

UN-Number

ADR/RID: 2920

IMDG: 2920

IATA: 2920

UN proper shipping name

ADR/RID:

Corrosive liquid, flammable, n.o.s. (1-Ethyl-3-methylimidazolium tetrachloroaluminate with additives)

IMDG:

Corrosive liquid, flammable, n.o.s. (1-Ethyl-3-methylimidazolium tetrachloroaluminate with additives)

IATA:

Corrosive liquid, flammable, n.o.s. (1-Ethyl-3-methylimidazolium tetrachloroaluminate with additives)

Transport hazard class(es)

ADR/RID: 8, 3

IMDG: 8, 3

IATA: 8 (3)

Packaging group

ADR/RID: II

IMDG: II

IATA: II

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.

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16 OTHER INFORMATION

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