

Safety Data Sheet

IoLiLyt EP-0002

Revision Date: 1/25/2015

Date Issued: 10/5/2017

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

Product name	1-Butyl-3-methylimidazolium tetrachloroaluminate (1:1.5)
Product code	EP-0002
CAS	80432-09-3
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 corrosion (Category 1B)

Safety Data Sheet

IoLiLyt EP-0002

Revision Date: 1/25/2015

Date Issued: 10/5/2017

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

Safety Data Sheet

IoLiLyt EP-0002

Revision Date: 1/25/2015

Date Issued: 10/5/2017

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-Butyl-3-methylimidazolium tetrachloroaluminate (1:1.5)	>98%		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.

Safety Data Sheet

IoLiLyt EP-0002

Revision Date: 1/25/2015

Date Issued: 10/5/2017

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

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.

Safety Data Sheet

IoLiLyt EP-0002

Revision Date: 1/25/2015

Date Issued: 10/5/2017

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).

Safety Data Sheet

IoLiLyt EP-0002

Revision Date: 1/25/2015

Date Issued: 10/5/2017

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

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.

Safety Data Sheet

IoLiLyt EP-0002

Revision Date: 1/25/2015

Date Issued: 10/5/2017

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-Butyl-3-methylimidazolium tetrachloroaluminate)

IMDG:

Corrosive liquid, acidic, organic, n.o.s. (1-Butyl-3-methylimidazolium tetrachloroaluminate)

IATA:

Corrosive liquid, acidic, organic, n.o.s. (1-Butyl-3-methylimidazolium tetrachloroaluminate)

Transport hazard class(es)

ADR/RID: 8

IMDG: 8

IATA: 8

Packaging group

ADR/RID: II

IMDG: II

IATA: II

Environmental hazards

ADR/RID: no

IMDG Marine pollutant: no

IATA: no

Safety Data Sheet

IoLiLyt EP-0002

Revision Date: 1/25/2015

Date Issued: 10/5/2017

15 REGULATORY INFORMATION

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

16 OTHER INFORMATION

DISCLAIMER

THE ABOVE INFORMATION IS BELIEVED TO BE CORRECT BUT DOES NOT PURPOSED TO BE ALL INCLUSIVE AND SHALL BE USED ONLY AS A GUIDE. IOLITEC SHALL NOT BE HELD LIABLE FOR ANY DAMAGE RESULTING FROM HANDLING OR FROM CONTACT WITH THE ABOVE PRODUCT. THIS INFORMATION RELATES ONLY TO THE SPECIFIC MATERIAL DESIGNATED AND MAY NOT BE VALID FOR SUCH MATERIAL USED IN COMBINATION WITH ANY OTHER MATERIALS OR ANY PROCESS. IT IS THE USER'S RESPONSIBILITY TO SATISFY HIMSELF AS TO THE SUITABILITY OF SUCH INFORMATION FOR HIS OWN PARTICULAR USE.

IN NO WAY SHALL IOLITEC BE LIABLE FOR ANY CLAIMS, LOSSES OR DAMAGES OF ANY THIRD PARTY OR FOR THE LOST PROFITS OR ANY SPECIAL, INDIRECT, INCIDENTAL, CONSEQUENTIAL OR EXEMPLARY DAMAGES, HOWSOEVER ARISING, EVEN IF THE COMPANY HAS BEEN ADVISED OF THE POSSIBILITY OF SUCH DAMAGES.