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

<table>
<thead>
<tr>
<th><strong>Product name</strong></th>
<th>1-Butyl-3-methylimidazolium tetrafluoroborate</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>Product code</strong></td>
<td>IL-0012</td>
</tr>
<tr>
<td><strong>CAS</strong></td>
<td>174501-65-6</td>
</tr>
<tr>
<td><strong>REACH No.</strong></td>
<td>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.</td>
</tr>
<tr>
<td><strong>Identified uses</strong></td>
<td>Laboratory chemicals, Manufacture of substances</td>
</tr>
<tr>
<td><strong>Supplier</strong></td>
<td>IoLiTec</td>
</tr>
<tr>
<td></td>
<td>Ionic Liquids Technologies GmbH</td>
</tr>
<tr>
<td></td>
<td>Salzstraße 184</td>
</tr>
<tr>
<td></td>
<td>D – 74076 Heilbronn</td>
</tr>
<tr>
<td></td>
<td>Germany</td>
</tr>
<tr>
<td><strong>Telephone</strong></td>
<td>+49 (0) 7131-89839-0</td>
</tr>
<tr>
<td><strong>Fax</strong></td>
<td>+49 (0) 7131-89839-109</td>
</tr>
<tr>
<td><strong>Emergency telephone</strong></td>
<td>+49 (0) 176 84850874</td>
</tr>
<tr>
<td><strong>Email</strong></td>
<td><a href="mailto:msds@iolitec.de">msds@iolitec.de</a></td>
</tr>
</tbody>
</table>

## 2 HAZARDS IDENTIFICATION

### 2.1 Classification of the substance or mixture

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

Caution! Substance not yet fully tested. Risks cannot be excluded if the product is handled inappropriately. For laboratory use only!
Classification (67/548/EEC or 1999/45/EC)

Caution! Substance not yet fully tested. Risks cannot be excluded if the product is handled inappropriately. For laboratory use only!

2.2 Label elements
Labelling (REGULATION (EC) No 1272/2008)

Substance not yet fully tested.

Hazard statements

H-phrases

Substance not yet fully tested.

Precautionary statements

P phrases

P262: Do not get in eyes, on skin, or on clothing
P280: Wear protective gloves/ protective clothing/ eye protection/ face protection
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

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

Substance not yet fully tested.

Risk phrases

Not fully tested substance.
Safety Data Sheet

1-Butyl-3-methylimidazolium tetrafluoroborate

Revision Date: 12/01/2015
Date Issued: 10/12/2017

Safety phrases
S: 24/25  Avoid contact with skin and eyes.
S: 26   In case of contact with eyes, rinse immediately with plenty of water and seek medical advice.
S: 36/37/39  Wear suitable protective clothing, gloves and eye/face protection.
S: 28,2  After contact with skin, wash immediately with plenty of water and liquid soap.

3 COMPOSITION/INFORMATION ON INGREDIENTS

<table>
<thead>
<tr>
<th>Ingredient name</th>
<th>Contents</th>
<th>Health(Class)</th>
<th>Risk(R/No.)</th>
</tr>
</thead>
<tbody>
<tr>
<td>1-Butyl-3-methylimidazolium tetrafluoroborate</td>
<td>&gt;99%</td>
<td></td>
<td>Substance not yet fully tested!</td>
</tr>
</tbody>
</table>

4 FIRST AID MEASURES

General
Contaminated clothing should be removed and washed before being reused.

Inhalation
Move the exposed person to fresh air at once. If respiratory problems, provide artificial respiration/oxygen.

Ingestion
Immediately rinse mouth and provide fresh air. Do not induce vomiting. Get medical attention immediately.

Skin
Wash the skin immediately with soap and water.

Eyes
Promptly wash eyes with plenty of water while lifting the eye lids. Continue to rinse for at least 15 minutes. Get medical attention immediately. Continue to rinse.
# Safety Data Sheet

## 1-Butyl-3-methylimidazolium tetrafluoroborate

**Revision Date:** 12/01/2015  
**Date Issued:** 10/12/2017

### 5 FIRE FIGHTING MEASURES

<table>
<thead>
<tr>
<th>Extinguishing media</th>
<th>Use: Water spray, fog or mist. Carbon dioxides (CO₂). Dry chemicals, sand, dolomite etc.</th>
</tr>
</thead>
<tbody>
<tr>
<td>Special fire fighting procedures</td>
<td>Avoid water in straight hose stream, will scatter and spread fire. Keep run-off water out of sewers and water sources. Dike for water control.</td>
</tr>
<tr>
<td>Unusual fire &amp; explosion hazards</td>
<td>Fire causes formation of toxic gases.</td>
</tr>
<tr>
<td>Protective measures in fire</td>
<td>Wear self-contained breathing apparatus as combustion may produce hazardous fumes.</td>
</tr>
</tbody>
</table>

### 6 ACCIDENTAL RELEASE MEASURES

<table>
<thead>
<tr>
<th>Personal precautions during spill</th>
<th>Wear protective clothing and avoid inhalation of vapor, skin or eye contact.</th>
</tr>
</thead>
<tbody>
<tr>
<td>Precautions to protect environment</td>
<td>Avoid washing into water courses. Avoid contaminating public drains or water supply.</td>
</tr>
<tr>
<td>Spill cleanup methods</td>
<td>Avoid contact with skin or inhalation of spillage, dust or vapor, Avoid dust formation. Collect and reclaim or dispose in sealed containers in license waste. Extinguish all ignition sources. Avoid sparks, flames, heat and smoking. Ventilate.</td>
</tr>
</tbody>
</table>

### 7 HANDLING AND STORAGE

| Usage precautions | Keep away from heat, sparks and open flame. Do not use in confined spaces without adequate ventilation and/or respirator. |
8 EXPOSURE CONTROLS AND PERSONAL PROTECTION

Personal protective equipment

Eye/face protection
Safety glasses with side-shields conforming to EN166 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
For nuisance exposures use type P95 (US) or type P1 (EU EN 143) particle respirator. For higher level protection use type OV/AG/P99 (US) or type ABEK-P2 (EU EN 143) 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

<table>
<thead>
<tr>
<th>Property</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>Appearance</td>
<td>Liquid.</td>
</tr>
<tr>
<td>Color</td>
<td>Colorless to yellow.</td>
</tr>
<tr>
<td>Odor/taste</td>
<td>No characteristic odor.</td>
</tr>
</tbody>
</table>
10 STABILITY AND REACTIVITY

Stability
No particular stability concerns.

Conditions to avoid
Avoid contact to strong oxidizers and bases.

Hazardous Decomposition Products

11 TOXICOLOGICAL INFORMATION

Ingestion
not available.

Skin
not available.

Eyes
not available.

Data on the toxicity of this product are not available. Hazardous properties cannot be excluded.

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.
Safety Data Sheet
1-Butyl-3-methylimidazolium tetrafluoroborate

Revision Date: 12/01/2015
Date Issued: 10/12/2017

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.

Sea transport notes
Not classified as dangerous for sea transport.

Air transport notes
Not classified as dangerous for air transport.

15 REGULATORY INFORMATION

Label for supply
Substance not yet fully tested.

P phrases
P262:
Do not get in eyes, on skin, or on clothing
P280:
Wear protective gloves/ protective clothing/ eye protection/ face protection
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

Safety phrases
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Revision Date: 12/01/2015
Date Issued: 10/12/2017

Country specific information
Germany
WGK: 3 (Self-Classification)

16 OTHER INFORMATION

DISCLAIMER
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