

# Safety Data Sheet

## Potassium tetrafluoroborate

Revision Date: 01/19/2015

Date Issued: 2/21/2018

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

<b>Product name</b>	Potassium tetrafluoroborate
<b>Product code</b>	KI-0042
<b>CAS</b>	14075-53-7
<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 (REGULATION (EC) No 1272/2008)

Skin corrosion/irritation, Category 1B, H314

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

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 eye protection/face protection  
P301 + P330 + P331 IF SWALLOWED: Rinse mouth. Do NOT induce vomiting.  
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.

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

C Corrosive

#### **Risk phrases**

R34 Causes burns

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### 3 COMPOSITION/INFORMATION ON INGREDIENTS

Ingredient name	Contents	Health(Class)	Risk(H/No.)
Potassium tetrafluoroborate	>98%	Category 1B	H314

### 4 FIRST AID MEASURES

<b>General</b>	Contaminated clothing should be removed and washed before being reused.
<b>Inhalation</b>	If breathed in, move person into fresh air. If not breathing give artificial respiration.
<b>Ingestion</b>	Never give anything by mouth to an unconscious person. Rinse mouth with water.
<b>Skin</b>	Wash off with soap and plenty of water.
<b>Eyes</b>	Flush eyes with water as a precaution.

### 5 FIRE FIGHTING MEASURES

<b>Extinguishing media</b>	Use extinguishing measures that are appropriate to local circumstances and the surrounding environment.
<b>Protective measures in fire</b>	Wear self contained breathing apparatus for fire fighting if necessary.
<b>Further information</b>	The product itself does not burn.

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### 6 ACCIDENTAL RELEASE MEASURES

<b>Personal precautions during spill</b>	Wear protective clothing and avoid inhalation of vapor, skin or eye contact.
<b>Precautions to protect environment</b>	Avoid washing into water courses. Avoid contaminating public drains or water supply.
<b>Spill cleanup methods</b>	Sweep up and shovel. Keep in suitable, closed containers for disposal.

### 7 HANDLING AND STORAGE

<b>Handling</b>	Provide appropriate exhaust ventilation at places where dust is formed.
<b>Storage</b>	Store in cool place. Keep container tightly closed in a dry and well-ventilated place. Moisture sensitive. Handle and store under inert gas.

### 8 EXPOSURE CONTROLS AND PERSONAL PROTECTION

<b>Protective equipment</b>	Safety goggles. Chemical resistant gloves. Protective clothing.
<b>Process control measures</b>	Provide eyewash station and safety shower. Use engineering controls to reduce air contamination to permissible exposure levels.
<b>Ventilation</b>	Provide adequate general and local exhaust ventilation.

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### Respirators

Respiratory protection is not required. Where protection from nuisance levels of dusts are desired, use type N95 (US) or type P1 (EN 143) dust masks. 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.

## 9 PHYSICAL AND CHEMICAL PROPERTIES

### Appearance

Solid.

### Color

Colorless.

### Melting Point

530 °C

### Density

4.4 g/mL at 20 °C

### Water solubility

ca.1.3 g/l at 20 °C

## 10 STABILITY AND REACTIVITY

### Storage Stability

Stable under recommended storage conditions.

### Conditions to avoid

Avoid contact to strong oxidizing agents.

### Hazardous

### Decomposition Products

Hazardous decomposition products formed under fire conditions. - Hydrogen fluoride, Borane/boron oxides

## 11 TOXICOLOGICAL INFORMATION

### Acute toxicity

No data available.

### Irritation and corrosion

No data available.

### Sensitisation

No data available.

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### Potential Health effects

#### Inhalation

May be harmful if inhaled. May cause respiratory tract irritation.

#### Ingestion

May be harmful if swallowed.

#### Skin

May be harmful if absorbed through skin. May cause skin irritation.

#### Eyes

May cause eye irritation.

## 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

#### IATA

Shipping Name: CORROSIVE SOLID, N.O.S.\*

Hazard Class: 8

UN Number: 1759

Packing Group: II

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### IMO

Shipping Name: CORROSIVE SOLID, N.O.S.\*

Hazard Class: 8

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### RID/ADR

Shipping Name: CORROSIVE SOLID, N.O.S.\*

Hazard Class: 8

UN Number: 1759

Packing Group: II

## 15 REGULATORY INFORMATION

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

### 15.1 Safety, health and environmental regulations/legislation specific for the substance or mixture

Classification according to annex 3; Reg.no. 3802 (German Regulation VwVwS) :  
Water hazard class 1(WGK1) - Low hazard to water. Do not allow to enter waters, waste water, or soil..

### 15.2 Chemical Safety Assessment

no data available

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### 16 OTHER INFORMATION

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