

Safety Data Sheet

Potassium hexafluorophosphate

Revision Date: 12/03/2015

Date Issued: 2/21/2018

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

Product name	Potassium hexafluorophosphate
Product code	KI-0031
CAS	17084-13-8
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)

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

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/ eye protection/ 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.

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

C Corrosive

Risk phrases

R34 Causes burns.

Safety phrases

S26 In case of contact with eyes, rinse immediately with plenty of water and seek medical advice.

S27 Take off immediately all contaminated clothing.

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S36/37/39 Wear suitable protective clothing, gloves and eye/face protection.

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	Hazard Symbols	H/R Phrases
Potassium hexafluorophosphate	99%	Skin Corr. 1B; C,	H314 R34

4 FIRST AID MEASURES

General Consult a physician. Show this safety data sheet to the doctor in attendance.

Inhalation Consult a physician. Show this safety data sheet to the doctor in attendance.

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.

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5 FIRE FIGHTING MEASURES

Extinguishing media	Use: Water spray, fog or mist. Carbon dioxides (CO ₂). Dry chemicals, sand, dolomite etc.
Special fire fighting procedures	Wear self contained breathing apparatus for fire fighting if necessary.

6 ACCIDENTAL RELEASE MEASURES

Personal precautions during spill	Wear protective clothing and avoid inhalation of vapor, skin or eye contact.
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. Collect and reclaim or dispose in sealed containers in license waste. Extinguish all ignition sources. Avoid sparks, flames, heat and smoking. Ventilate.

7 HANDLING AND STORAGE

Usage precautions	Avoid formation of dust and aerosols. Provide appropriate exhaust ventilation at places where dust is formed. Normal measures for preventive fire protection.
Storage precautions	Store in cool place. Keep container tightly closed in a dry and well-ventilated place.
Storage criteria	Chemical storage.

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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	Use high efficiency particulate respirator with appropriate filter.
Other protection	Wear overalls and industrial shoes.

9 PHYSICAL AND CHEMICAL PROPERTIES

Appearance	Solid.
Color	White
Odor/taste	No characteristic odor.
Physical data	mp. 575 °C – lit. Density 2.75 g/mL at 25 °C

10 STABILITY AND REACTIVITY

Stability	No particular stability concerns.
Conditions to avoid	no data available
Hazardous	
Materials to avoid	Strong oxidizing agents
Decomposition Products	Hazardous decomposition products formed under fire conditions. - Oxides of phosphorus, Hydrogen fluoride, Potassium oxides

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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.

Potential health effects

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.

Signs and Symptoms of Exposure

Cough, Shortness of breath, Headache, Nausea, Vomiting

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.

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14 TRANSPORT INFORMATION

ADR/RID

UN-Number: 3260 Class: 8 Packing group: II

Proper shipping name: CORROSIVE SOLID, ACIDIC, INORGANIC, N.O.S.
(Potassium hexafluorophosphate)

IMDG

UN-Number: 3260 Class: 8 Packing group: II EMS-No: F-A, S-B

Proper shipping name: CORROSIVE SOLID, ACIDIC, INORGANIC, N.O.S.
(Potassium hexafluorophosphate)

Marine pollutant: No

IATA

UN-Number: 3260 Class: 8 Packing group: II

Proper shipping name: Corrosive solid, acidic, inorganic, n.o.s. (Potassium hexafluorophosphate)

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. 4504 (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

DISCLAIMER

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