

## Material Safety Data Sheet

Date Updated:12.4.201101.06.2011

Version 2.6

Regulation (EG) Nr. 1907/2006 (REACH)

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

Product name : Potassium

Product Number : 30095

COMPANY:

Gatt-Koller GmbH

Swarovskistrasse 74

A-6067 Absam

Phone: 0043-5223-44216-0

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### 2. HAZARDS IDENTIFICATION

**Classification of the substance or mixture**

**Pictogram**



**Signal word Danger**

Hazard statement(s)

H314 Causes severe skin burns and eye damage.

H260 In contact with water releases flammable gases which may ignite spontaneously.

EUH014 Reacts violently with water.

Risk advice to man and the environment

Reacts violently with water, liberating extremely flammable gases. Causes burns.

### 3. COMPOSITION/INFORMATION ON INGREDIENTS

Formula : K

Molecular Weight : 39,1 g/mol

CAS-No. EC-No. Index-No. Classification Concentration

Potassium

7440-09-7 231-119-8 019-001-00-2 F, C, R14/15 - R34 -

### 4. FIRST AID MEASURES

General advice

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

If inhaled

If breathed in, move person into fresh air. If not breathing give artificial respiration Consult a physician.

In case of skin contact

Take off contaminated clothing and shoes immediately. Wash off with soap and plenty of water. Consult a physician.

In case of eye contact

Rinse thoroughly with plenty of water for at least 15 minutes and consult a physician.

If swallowed

Do NOT induce vomiting. Never give anything by mouth to an unconscious person. Rinse mouth with water.

Consult a physician.

### 5. FIRE-FIGHTING MEASURES

Suitable extinguishing media

Carbon dioxide (CO<sub>2</sub>) Dry powder

Extinguishing media which shall not be used for safety reasons

Water

Special protective equipment for fire-fighters

Wear self contained breathing apparatus for fire fighting if necessary.

## 6. ACCIDENTAL RELEASE MEASURES

### Personal precautions

Use personal protective equipment. Avoid dust formation. Avoid breathing dust. Ensure adequate ventilation.

Remove all sources of ignition. Evacuate personnel to safe areas.

### Environmental precautions

Prevent further leakage or spillage if safe to do so. Do not let product enter drains.

### Methods for cleaning up

Pick up and arrange disposal without creating dust. Do not flush with water. Keep in suitable, closed containers for disposal.

## 7. HANDLING AND STORAGE

### Handling

Avoid formation of dust and aerosols.

Provide appropriate exhaust ventilation at places where dust is formed. Keep away from sources of ignition -

No smoking.

### Storage

Store in cool place. Keep container tightly closed in a dry and well-ventilated place.

Handle and store under inert gas.

## 8. EXPOSURE CONTROLS/PERSONAL PROTECTION

### Personal protective equipment

#### Respiratory protection

Where risk assessment shows air-purifying respirators are appropriate use a full-face particle respirator type N100 (US) or type P3 (EN 143) 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).

#### Hand protection

The selected protective gloves have to satisfy the specifications of EU Directive 89/686/EEC and the standard EN 374 derived from it. Handle with gloves.

#### Eye protection

#### Safety glasses

#### Skin and body protection

Choose body protection according to the amount and concentration of the dangerous substance at the work place.

#### Hygiene measures

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

#### Form Fragments

#### Colour grey

#### Safety data

pH no data available

Melting point 64 °C

Boiling point 774 °C at 1.013 hPa

Flash point not applicable

Ignition temperature no data available

Lower explosion limit no data available

Upper explosion limit no data available

Vapour pressure 0,12 hPa at 260 °C

Density 0,860 g/cm<sup>3</sup>

Water solubility no data available

#### 10. STABILITY AND REACTIVITY

Storage stability

Stable under recommended storage conditions.

Conditions to avoid

Heat, flames and sparks. Exposure to moisture.

Materials to avoid

Oxidizing agents, Carbon oxides, Reacts violently with water., Reacts with water to generate Hydrogen gas.

Hazardous decomposition products

Hazardous decomposition products formed under fire conditions. - Potassium oxides

Hazardous reactions

Reacts violently with water.

#### 11. TOXICOLOGICAL INFORMATION

Acute toxicity

LD50 Intraperitoneal - mouse - 700 mg/kg

Irritation and corrosion

no data available

Sensitisation

no data available

Chronic exposure

IARC: No component of this product present at levels greater than or equal to 0.1% is identified as probable, possible or confirmed human carcinogen by IARC.

Signs and Symptoms of Exposure

Material is extremely destructive to tissue of the mucous membranes and upper respiratory tract, eyes, and skin.

Potential Health Effects

Inhalation May be harmful if inhaled. Material is extremely destructive to the tissue of the mucous membranes and upper respiratory tract.

Skin May be harmful if absorbed through skin. Causes skin burns.

Eyes Causes eye burns.

Ingestion May be harmful if swallowed. Causes burns.

Additional Information

RTECS: TS6460000

#### 12. ECOLOGICAL INFORMATION

Elimination information (persistence and degradability)

no data available

Ecotoxicity effects

no data available

Further information on ecology

no data available

#### 13. DISPOSAL CONSIDERATIONS

Product

Observe all federal, state, and local environmental regulations. Contact a licensed professional waste disposal

service to dispose of this material.

Contaminated packaging

Dispose of as unused product.

#### 14. TRANSPORT INFORMATION

ADR/RID

UN-Number: 2257 Class: 4.3 Packing group: I

Proper shipping name: POTASSIUM

IMDG

UN-Number: 2257 Class: 4.3 Packing group: I EMS-No: F-G, S-N

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Proper shipping name: POTASSIUM

Marine pollutant: No

IATA

UN-Number: 2257 Class: 4.3 Packing group: I

Proper shipping name: Potassium

IATA Passenger: Not permitted for transport

### 15. REGULATORY INFORMATION

#### Classification of the substance or mixture Label elements

##### Pictogram



Signal word **Danger**

##### Hazard statement(s)

H314 Causes severe skin burns and eye damage.

H260 In contact with water releases flammable gases which may ignite spontaneously.

EUH014 Reacts violently with water.

##### Precautionary statement(s)

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.

P501 Dispose of contents/container to ...

P301 + P330 + P331 IF SWALLOWED: rinse mouth. Do NOT induce vomiting.

P309 + P310 IF exposed or if you feel unwell: Call a POISON CENTER or doctor/physician.

P402 Store in a dry place.

P404 Store in a closed container.

##### Labelling according to EC Directives

EC Label

Hazard symbols

F Highly flammable

C Corrosive

R-phrases(s)

R14/15 Reacts violently with water, liberating extremely flammable gases.

R34 Causes burns.

S-phrases(s)

S 5 Keep contents under .?.

S 8 Keep container dry.

S45 In case of accident or if you feel unwell, seek medical advice immediately (show the label where possible).

### 16. OTHER INFORMATION

Reason for the revision: General update.

The information supplied in this data sheet, is based on the present state of our knowledge. The purpose of this information, is only to describe the security measures to follow in the handling of the product.

Therefore it does not represent a guarantee about the properties of the product.

Gatt-Koller GmbH

Swarovskistrasse 74

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