



Trade name: Kalii sulfidum

Substance number: 064912

Version: 1 / CH

Date revised: 23.03.12

Replaces Version: - / CH

Date of printing: 23.03.12

## 1. Identification of the substance/mixture and of the company/undertaking

### 1.1. Product identifier

Kalii sulfidum

Item-No.

06491200

### 1.3. Details of the supplier of the safety data sheet

#### Address

Hänseler AG

Industriestrasse 35

9101 Herisau

Telephone no. 0041 (0)71 353 58 58

E-mail address of sdb@haenseler.ch

person responsible  
for this SDS

### 1.4. Emergency telephone number

Switzerland :145 / Abroad +41 (0)44 251 51 51

## 2. Hazards identification

### 2.1. Classification of the substance or mixture

#### Classification (Regulation (EC) No. 1272/2008)

Classification (Regulation (EC) No. 1272/2008)

Skin Corr. 1B H314

Aquatic Acute 1 H400

#### Classification in accordance with EC directives

Classification R31

C, R34

N, R50

### 2.2. Label elements

#### Labelling according to regulation (EC) No 1272/2008

#### Hazard pictograms



#### Signal Word

Danger

#### Hazard statements

H314 Causes severe skin burns and eye damage.

H400 Very toxic to aquatic life.

EUH031 Contact with acids liberates toxic gas.

#### Labelling in accordance with EC directives 1999/45/EC and 67/548/EEC

The product is classified and labelled in accordance with EC directives/the relevant national laws.

#### Hazard symbols



Trade name: Kalii sulfidum

Substance number: 064912

Version: 1 / CH

Date revised: 23.03.12

Replaces Version: - / CH

Date of printing: 23.03.12



Corrosive



Dangerous for the environment

**R phrases**

- 31 Contact with acids liberates toxic gas.  
34 Causes burns.  
50 Very toxic to aquatic organisms.

**S phrases**

- 1/2 Keep locked up and out of the reach of children.  
26 In case of contact with eyes, rinse immediately with plenty of water and seek medical advice.  
45 In case of accident or if you feel unwell, seek medical advice immediately (show the label where possible).  
61 Avoid release to the environment. Refer to special instructions/Safety data sheets.

**Hazardous component(s) to be indicated on label**

contains Potassium polysulphides

**3. Composition/information on ingredients****Hazardous ingredients****Potassium polysulphides**

CAS No.	37199-66-9			
EINECS no.	253-390-1			
Concentration		>=	50	%
Classification	N, R50 C, R34 R31			

Classification (Regulation (EC) No. 1272/2008)

Skin Corr. 1B	H314
Aquatic Acute 1	H400

**4. First aid measures****4.1. Description of first aid measures****After inhalation**

Ensure supply of fresh air. Summon a doctor immediately.

**After skin contact**

In case of contact with skin wash off immediately with plenty of water. Remove contaminated, soaked clothing immediately and dispose of safely.

**After eye contact**

Separate eyelids, wash the eyes thoroughly with water (15 min.). Summon a doctor immediately.

**After ingestion**

Let plenty of water be drunk in small gulps. Do not induce vomiting. Summon a doctor immediately. No trials on neutralisation.



Trade name: Kalii sulfidum

Substance number: 064912

Version: 1 / CH

Date revised: 23.03.12

Replaces Version: - / CH

Date of printing: 23.03.12

## 4.2. Most important symptoms and effects, both acute and delayed

Coughing, Shortness of breath, Irritation of mucosa, Chemical burn, Nausea, Vomiting, CNS Disturbance, Cardiovascular disturbance

## 5. Firefighting measures

### 5.1. Extinguishing media

#### Suitable extinguishing media

Extinguishing measures to suit surroundings

### 5.2. Special hazards arising from the substance or mixture

The product is combustible. If a fire breaks out nearby evolution of dangerous gases possible. In the event of fire the following can be released: Sulfuroxides (SO<sub>x</sub>)

### 5.3. Advice for firefighters

#### Special protective equipment for fire-fighting

Use self-contained breathing apparatus. Wear protective clothing.

#### Other information

Suppress vapours with water spray jet. Do not discharge into surface waters/groundwater.

## 6. Accidental release measures

### 6.1. Personal precautions, protective equipment and emergency procedures

Avoid contact with eyes and skin. Do not inhale dust. Ensure supply of fresh air.

### 6.2. Environmental precautions

Do not allow to enter drains.

### 6.3. Methods and material for containment and cleaning up

Dampen, pick up mechanically and dispose of. Clean up affected area. Avoid raising dust.

## 7. Handling and storage

### 7.1. Precautions for safe handling

#### Advice on safe handling

No special measures necessary if stored and handled as prescribed.

### 7.2. Conditions for safe storage, including any incompatibilities

#### Requirements for storage rooms and vessels

Keep in a dry place. Store away from sources of ignition and heat.

#### VCI storage category

VCI storage category 4.2 Spontaneously flammable substances

#### Further information on storage conditions

Keep container tightly closed.

## 8. Exposure controls/personal protection

### 8.2. Exposure controls

#### General protective and hygiene measures

Remove contaminated, soaked clothing immediately and dispose of safely. Wash hands and face after work. Preventative skin protection.



Trade name: Kalii sulfidum

Substance number: 064912

Version: 1 / CH

Date revised: 23.03.12

Replaces Version: - / CH

Date of printing: 23.03.12

**Respiratory protection**

necessary; Breathing apparatus in the event of aerosol. Particle filter P2

**Hand protection**

Gloves

Appropriate Material nitrile rubber - NBR

Material thickness 0.11 mm

Penetrating time &gt; 480 min

**Eye protection**

necessary

**Body protection**

Clothing as usual in the chemical industry.

**9. Physical and chemical properties****9.1. Information on basic physical and chemical properties**

<b>Form</b>	solid
<b>Colour</b>	red-brown
<b>Odour</b>	characteristic

**pH**

Value	13	
Concentration/H <sub>2</sub> O	10	g/l
Temperature	20	°C

**Melting point**

Value	200	to	250	°C
-------	-----	----	-----	----

**Boiling point**

Remarks	Not applicable
---------	----------------

**Flash point**

Remarks	Not applicable
---------	----------------

**Density**

Value	1.65		g/cm <sup>3</sup>
Temperature	20	°C	

**Solubility in water**

Value	500		g/l
Temperature	20	°C	

**Thermal decomposition**

Value	> 460	°C
-------	-------	----

**9.2. Other information****Bulk density**

Value	1000	to	1200	kg/m <sup>3</sup>
-------	------	----	------	-------------------

**10. Stability and reactivity****10.4. Conditions to avoid****Thermal decomposition**

Value	> 460	°C
-------	-------	----

**10.5. Incompatible materials**Acids, Fluorine, NO<sub>2</sub>



Trade name: Kalii sulfidum

Substance number: 064912

Version: 1 / CH

Date revised: 23.03.12

Replaces Version: - / CH

Date of printing: 23.03.12

## 10.6. Hazardous decomposition products

acids, In the event of fire the following can be released: sulphurous oxides (SO<sub>x</sub>)

## 11. Toxicological information

### 11.1. Information on toxicological effects

#### Acute oral toxicity

Remarks No data available.

#### Skin corrosion/irritation

valuation corrosive

#### Serious eye damage/irritation

valuation corrosive

Remarks Danger acute eye damage.

Remarks Influence of the product with the eyes can lead to blindness.

#### Mutagenicity

Remarks No data available.

#### Experience in practice

inhalation. Irritates the mucous membrane. skin exposure. Product is caustic. eye exposure. Product is caustic. After Swallowing: burns in mouth, throat, oesophagus and gastrointestinal tract. Risk of perforation in the oesophagus and stomach. nausea. vomiting. After Swallowing: disorders of the central nervous system. failure of the cardiovascular system

#### Other information

Observe the usual precautions for handling chemicals.

## 12. Ecological information

### 12.1. Toxicity

#### Fish toxicity

Remarks No data available.

### 12.2. Persistence and degradability

#### Biodegradability

Remarks No data available.

### 12.6. Other adverse effects

#### General information / ecology

Very toxic for aquatic organisms. Hazard for drinking water supplies. Do not allow it to reach soil, ground water, water bodies or sewage system.

## 13. Disposal considerations

### 13.1. Waste treatment methods

#### Disposal recommendations for the product

Disposal in compliance with local and national regulations.

#### Disposal recommendations for packaging

Dispose of as unused product.

## 14. Transport information

### Land transport ADR/RID



Trade name: Kalii sulfidum

Substance number: 064912

Version: 1 / CH

Date revised: 23.03.12

Replaces Version: - / CH

Date of printing: 23.03.12

**14.1. UN number**

UN 3262

**14.2. UN proper shipping name**

CORROSIVE SOLID, BASIC, INORGANIC, N.O.S

Danger releasing substance Potassium polysulphides

**14.3. Transport hazard class(es)**

Class 8

Label 8

**14.4. Packing group**

Packing group II

**14.5. Environmental hazards**

ENVIRONMENTALLY HAZARDOUS

**Marine transport IMDG/GGVSee****14.1. UN number**

UN 3262

**14.2. UN proper shipping name**

CORROSIVE SOLID, BASIC, INORGANIC, N.O.S

Danger releasing substance Potassium polysulphides

**14.3. Transport hazard class(es)**

Class 8

**14.4. Packing group**

Packing group II

Environmental labelling ENVIRONMENTALLY HAZARDOUS

**Air transport ICAO/IATA****14.1. UN number**

UN 3262

**14.2. UN proper shipping name**

CORROSIVE SOLID, BASIC, INORGANIC, N.O.S

Danger releasing substance Potassium polysulphides

**14.3. Transport hazard class(es)**

Class 8

**14.4. Packing group**

Packing group II

**14.5. Environmental hazards**

ENVIRONMENTALLY HAZARDOUS

**15. Regulatory information****15.1. Safety, health and environmental regulations/legislation specific for the substance or mixture****Other regulations, restrictions and prohibition regulations**

BG Data Sheet M 004 "Substances causing irritation / corrosive substances"

ZH 1/118 "Working with health hazard substances (for the workers) (M 050)"

**16. Other information****R-phrases listed in chapter 3**

31 Contact with acids liberates toxic gas.

34 Causes burns.

50 Very toxic to aquatic organisms.

**Hazard statements listed in chapter 3**

H314 Causes severe skin burns and eye damage.

H400 Very toxic to aquatic life.



Trade name: Kalii sulfidum

Substance number: 064912

Version: 1 / CH

Replaces Version: - / CH

Date revised: 23.03.12

Date of printing: 23.03.12

### Supplemental information

Relevant changes compared with the previous version of the safety data sheet are marked with: \*\*\*  
This information is based on our present state of knowledge. However, it should not constitute a guarantee for any specific product properties and shall not establish a legally valid relationship.