



Trade name: Kalii metabisulfis

Substance number: 064768

Version: 2 / CH

Date revised: 05.10.12

Replaces Version: 1 / CH

Date of printing: 05.10.12

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

### 1.1. Product identifier

Kalii metabisulfis

Item-No. 06476800

### 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)

Eye Dam. 1	H318
STOT SE 3	H335
	EUH031

#### Classification in accordance with EC directives

Classification	R31
	Xi, R37-R41

### 2.2. Label elements

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

#### Hazard pictograms \*\*\*



#### Signal Word \*\*\*

Danger

#### Hazard statements \*\*\*

H318	Causes serious eye damage.
H335	May cause respiratory irritation.
EUH031	Contact with acids liberates toxic gas.

#### Precautionary statements

P261	Avoid breathing dust/fume/gas/mist/vapours/spray.
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.



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P405

Store locked up.

P501.3

Disposal in compliance with local and national regulations.

**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**

Irritant

**R phrases**

31

Contact with acids liberates toxic gas.

37

Irritating to respiratory system.

41

Risk of serious damage to eyes.

**S phrases**

26

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

39

Wear eye/face protection.

**3. Composition/information on ingredients \*\*\*****Hazardous ingredients \*\*\*****dipotassium disulphite**

CAS No. 16731-55-8

EINECS no. 240-795-3

Concentration &gt;= 50 %

Classification R31  
Xi, R37-R41

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

EUH031  
H318  
H335**4. First aid measures****4.1. Description of first aid measures****General information**

Remove affected person from danger area, lay him down. Remove contaminated, soaked clothing immediately and dispose of safely.

**After inhalation**

Ensure supply of fresh air. In the event of symptoms take medical treatment.

**After skin contact**

Wash off immediately with soap and water and rinse well.

**After eye contact**

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

**After ingestion**



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Rinse out mouth and give plenty of water to drink.

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

Irritating to respiratory system. Irritation of mucosa, Nausea, Diarrhoea, Cardiovascular disturbance, Allergic symptoms, Gastrointestinal complaints

### **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**

Sulphur oxides

#### **5.3. Advice for firefighters**

##### **Special protective equipment for fire-fighting**

Use self-contained breathing apparatus.

### **6. Accidental release measures**

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

Use personal protective clothing.

#### **6.2. Environmental precautions**

Do not allow to enter drains or waterways. Knock down dust with water spray jet. Retain and dispose of contaminated wash water.

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

Provide adequate ventilation. Pick up mechanically. When picked up, treat material as prescribed under heading "Disposal". Pick up rest with weakly alkaline solution.

### **7. Handling and storage**

#### **7.1. Precautions for safe handling**

##### **Advice on safe handling**

Keep container tightly closed. Avoid dust formation. Dust deposits that cannot be avoided must be taken up regularly.

##### **Advice on protection against fire and explosion**

The product is not combustible.

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

##### **Requirements for storage rooms and vessels**

Keep in a cool place.

##### **Hints on storage assembly**

Do not store with acids. Do not store together with: solvents

##### **Further information on storage conditions**

Protect from heat and direct sunlight. Keep container tightly closed, cool and dry.

### **8. Exposure controls/personal protection**

#### **8.2. Exposure controls**

##### **Exposure controls**



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See chapter 7. No measures exceeding the ones mentioned are necessary.

**General protective and hygiene measures**

Keep away from food-stuffs, beverages and feed-stocks. Wash hands before breaks and after work. Use barrier skin cream. Remove soiled or soaked clothing immediately. Avoid contact with eyes and skin. Hold eye wash fountain available. Do not eat or drink during work time.

**Respiratory protection**

Breathing apparatus in the event of aerosol, mist or fume formation. combination filter B-P3

**Hand protection**

Protective gloves

Appropriate Material Natural Latex  
Material thickness 0.5 mm  
Penetrating time  $\geq$  8 h

Appropriate Material Butyl rubber - Butyl  
Material thickness 0.5 mm

Appropriate Material Fluoro carbon rubber - FKM  
Material thickness 0.4 mm

Appropriate Material nitrile rubber - NBR  
Material thickness 0.35 mm  
Penetrating time  $\geq$  8 h

Appropriate Material Polychloroprene  
Material thickness 0.5 mm

Penetrating time  $\geq$  8 h

Appropriate Material PVC  
Material thickness 0.5 mm

Penetrating time  $\geq$  8 h

Not suitable: leather gloves

Not suitable: gloves made of thick material

**Eye protection**

Tightly fitting safety glasses

**Body protection**

Acid-resistant protective clothing

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

**Form** Powder

**Colour** white

**Odour** pungent

**pH**

Value 3.5 to 4.5

Concentration/H<sub>2</sub>O 50 g/l

Temperature 20 °C

**Melting point**

Value 190 °C

method DIN 51761

**Boiling point**

Remarks Not determined

**Flash point**

Value °C

Remarks Not applicable

**Flammability**



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Not ignitable

**Vapour pressure**

Remarks Not applicable

**Density**

Value	2.34			g/cm <sup>3</sup>
Temperature	20	°C		
method	DIN 51757			

**Solubility in water**

Value	450			g/l
Temperature	20	°C		

**Octanol/water partition coefficient (log Pow)**

log Pow -4

**Thermal decomposition**

Value &gt; 150 °C

**Efflux time**

Remarks Not applicable

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

Value	1100	to	1300	kg/m <sup>3</sup>
Temperature	20	°C		

**Other information**

The product is not dangerous for explosions.

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

To avoid thermal decomposition, do not overheat.

**Thermal decomposition**

Value &gt; 150 °C

**10.5. Incompatible materials**

Acids, Oxidising agents, Nitrites, nitrates, Reactions with oxidising agents. Evolution of sulphur dioxide under influence of acids.

**10.6. Hazardous decomposition products**

Sulphur dioxide

**11. Toxicological information****11.1. Information on toxicological effects****Acute oral toxicity**

Species	rat			
LD50	2300			mg/kg

**Skin corrosion/irritation**

Remarks Repeated and prolonged skin contact may lead to defatting and irritation of the skin.

Remarks Irritates the mucous membrane.

**Serious eye damage/irritation**

valuation strongly irritant



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Remarks Danger acute eye damage.

**Sensitization**

Remarks Sensitisation possible through inhalation.

Remarks Possibility of sensitization through skin contact.

**12. Ecological information \*\*\*****12.1. Toxicity****Fish toxicity**

Species	zebra fish (Brachydanio rerio)			
LC50	460	to	1000	mg/l
Duration of exposure	96	h		

**Bacteria toxicity**

Species	Pseudomonas putida			
EC50	65			mg/l
Duration of exposure	17	h		

**12.2. Persistence and degradability****Chemical oxygen demand (COD)**

Value	0.14	g O2/g
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**12.3. Bioaccumulative potential****Octanol/water partition coefficient (log Pow)**

log Pow	-4
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**12.5. Results of PBT and vPvB assessment****Evaluation of persistence and bioaccumulation potential \*\*\***

Due to the distribution coefficient n-octanol/water, accumulation in organisms is not to be expected.

**12.6. Other adverse effects****General information / ecology**

The product causes changes in the pH value in the test system. The result relates to the unneutralized sample.

**13. Disposal considerations****13.1. Waste treatment methods****Disposal recommendations for the product**

EWC waste code	No not dispose with rubbish.
EWC waste code	Should not be released into the sanitary sewer system.

In accordance with regulations for special waste, must be taken, afterpretreatment, to an underground disposal site.

**Disposal recommendations for packaging**

Disposal in compliance with local and national regulations.

**14. Transport information \*\*\*****Land transport ADR/RID \*\*\***

Non-dangerous goods

**Marine transport IMDG/GGVSee \*\*\***

The product does not constitute a hazardous substance in sea transport.



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**Air transport ICAO/IATA \*\*\***

The product does not constitute a hazardous substance in air transport.

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

Swiss Toxicity Class	3
SFOPH T no.	G-5662

**15.2. Chemical safety assessment**

For this substance a chemical safety assessment has not been carried out.

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

31	Contact with acids liberates toxic gas.
37	Irritating to respiratory system.
41	Risk of serious damage to eyes.

**Hazard statements listed in chapter 3**

EUH031	Contact with acids liberates toxic gas.
H318	Causes serious eye damage.
H335	May cause respiratory irritation.

**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.