

Trade name: Kalii iodidum

Substance number: 064744

Version: 4 / CH

Date revised: 03.11.2020

Replaces Version: 3 / CH

Print date: 03.11.20

SECTION 1: Identification of the substance/mixture and of the company/undertaking *****1.1. Product identifier**

Kalii iodidum

Item No. 06474400

Substance / product identification ***

REACH Registry No. 01-2119906339-35-XXXX

1.2. Relevant identified uses of the substance or mixture and uses advised against**Use of the substance/preparation**

Manufacture of pharmaceutical products, Manufacture of cosmetics

1.3. Details of the supplier of the safety data sheet**Address/Manufacturer**

Hänseler AG

Industriestrasse 35

9100 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

SECTION 2: Hazards identification *****2.1. Classification of the substance or mixture****Classification (Regulation (EC) No. 1272/2008)**

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

STOT RE 1

H372

The product is classified and labelled in accordance with Regulation (EC) No 1272/2008

For explanation of abbreviations see section 16.

2.2. Label elements**Labelling according to regulation (EC) No 1272/2008****Hazard pictograms *******Signal word *****

Danger

Hazard statements ***

H372

Causes damage to organs through prolonged or repeated exposure.

Thyroid

Route of exposure: oral

Precautionary statements ***

Trade name: Kalii iodidum

Substance number: 064744

Version: 4 / CH

Date revised: 03.11.2020

Replaces Version: 3 / CH

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P260 Do not breathe dust/fume/gas/mist/vapours/spray.
 P264.1 Wash hands thoroughly after handling.
 P270 Do not eat, drink or smoke when using this product.
 P314 Get medical advice/attention if you feel unwell.
 P501.3 Disposal in compliance with local and national regulations.

Hazardous component(s) to be indicated on label (Regulation (EC) No. 1272/2008)

contains *** Potassium iodide

SECTION 3: Composition/information on ingredients *****3.1. Substances****Molecular weight**

Value 166.00 g/mol

Hazardous ingredients *****Potassium iodide**

CAS No. 7681-11-0

EINECS no. 231-659-4

Registration no. 01-2119906339-35-XXXX

Concentration \geq 50 %

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

STOT RE 1

H372

Thyroid; Route of exposure: oral

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

Ensure supply of fresh air. Take medical treatment.

After skin contact

After contact with skin, wash 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.). Remove contact lenses

After ingestion

Drink water in small gulps. Never give anything by mouth to an unconscious person. Summon a doctor immediately.

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

Excitement, Vomiting

SECTION 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 not combustible. If a fire breaks out nearby evolution of dangerous gases possible. In the event of fire the following can be released: Hydrogen iodide (HI)

5.3. Advice for firefighters**Special protective equipment for fire-fighting**

Trade name: Kalii iodidum

Substance number: 064744

Version: 4 / CH

Date revised: 03.11.2020

Replaces Version: 3 / CH

Print date: 03.11.20

Use self-contained breathing apparatus. Use personal protective clothing.

Other information

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

SECTION 6: Accidental release measures**6.1. Personal precautions, protective equipment and emergency procedures**

Avoid dust formation. Do not inhale dust. Ensure adequate ventilation. Use personal protective clothing. Refer to protective measures listed in Sections 7 and 8.

6.2. Environmental precautions

Do not empty into drains.

6.3. Methods and material for containment and cleaning up

To pick up dry. Dispose of absorbed material in accordance with the regulations. Avoid raising dust.

6.4. Reference to other sections

Information regarding Safe handling, see Section 7. Information regarding personal protective measures, see Section 8. Information regarding waste disposal, see Section 13.

SECTION 7: Handling and storage *****7.1. Precautions for safe handling****Advice on safe handling**

Observe safety references and application instructions mentioned on can.

7.2. Conditions for safe storage, including any incompatibilities**Requirements for storage rooms and vessels**

Keep container tightly closed in a well-ventilated place. Protect from exposure to light. Keep under lock and key.

Storage classes

Storage class according to TRGS 510 6.1D

Non-combustible substances of acute toxicity, category 3 / hazardous substances that are toxic or produce chronic effects
Toxic substances

Storage category (Switzerland) 6.1

Further information on storage conditions

Observe label precautions.

7.3. Specific end use(s)

Manufacture of cosmetics; Manufacture of pharmaceutical products

SECTION 8: Exposure controls/personal protection**8.1. Control parameters****Other information**

Contains no substances with occupational exposure limit values.

8.2. Exposure controls**General protective and hygiene measures**

Wash contaminated clothing before reuse. Preventative skin protection. Wash hands before breaks and after work.

Respiratory protection

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

Trade name: Kalii iodidum

Substance number: 064744

Version: 4 / CH

Date revised: 03.11.2020

Replaces Version: 3 / CH

Print date: 03.11.20

Hand protection

Gloves

Use

Short-term hand contact

Appropriate Material

nitrile rubber - NBR

Material thickness

0.11 mm

Breakthrough time

> 480 min

Use

Permanent hand contact

Appropriate Material

nitrile rubber - NBR

Material thickness

0.11 mm

Breakthrough time

> 480 min

Eye protection

Safety glasses

Body protection

Personnel should wear protective clothing.

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

solid

Colour

whitish

Odour

odourless

pH value

Value

appr. 6.9

Concentration/H₂O

50 g/l

Temperature

20 °C

Melting point

Value

685

°C

Pressure

975 hPa

Initial boiling point and boiling range

Value

1325

°C

Pressure

1013 hPa

Flash point

Value

°C

Remarks

Not applicable

Vapour pressure

Value

1

hPa

Temperature

745 °C

Density

Value

3.23

g/cm³

Temperature

25 °C

Solubility in water

Value

1430

g/l

Temperature

20 °C

Decomposition temperature

Remarks

Not applicable

9.2. Other information**Bulk density**

Value

appr. 1500

kg/m³

Trade name: Kalii iodidum

Substance number: 064744

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Date revised: 03.11.2020

Replaces Version: 3 / CH

Print date: 03.11.20

SECTION 10: Stability and reactivity

10.1. Reactivity

Risk of explosion with: Alkaline metals, Halogens, hydrogen peroxide (H₂O₂). Exothermic reaction with: Oxidising agents, Risk of ignition or formation of inflammable gases or vapours with: Fluorine

10.2. Chemical stability

Protect from light.

10.3. Possibility of hazardous reactions

No decomposition if stored and applied as directed.

10.4. Conditions to avoid

No decomposition if stored and applied as directed.

10.5. Incompatible materials

Risk of explosion with: Alkaline metals, Ammonia, Halogens, Reactions with halogenated compounds. hydrogen peroxide (H₂O₂). Exothermic reaction with: Oxidising agents, Risk of ignition or formation of inflammable gases or vapours with: Fluorine

10.6. Hazardous decomposition products

In the event of fire the following can be released: Toxic gases/vapours

Other information

light-sensitive

SECTION 11: Toxicological information ***

11.1. Information on toxicological effects

Acute oral toxicity (Components)

Potassium iodide

Species	rat		
LD50		2779	mg/kg

Acute dermal toxicity (Components)

Potassium iodide

Species	rat		
LD50	>	2000	mg/kg
Method	OECD 402		

Acute inhalative toxicity (Components)

Potassium iodide

Remarks	No data available
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Skin corrosion/irritation (Components)

Potassium iodide

Species	rabbit
evaluation	non-irritant
Method	OECD 404

Serious eye damage/irritation (Components)

Potassium iodide

Species	rabbit
Method	OECD 405
Remarks	None

Sensitization (Components)

Trade name: Kalii iodidum

Substance number: 064744

Version: 4 / CH

Date revised: 03.11.2020

Replaces Version: 3 / CH

Print date: 03.11.20

Potassium iodide

Species	Human
Remarks	negative
Source	Patch-Test

Mutagenicity (Components)**Potassium iodide**

Species evaluation	Salmonella typhimurium
Source	No mutagenicity in the Ames-test. ECHA

Reproduction toxicity (Components)**Potassium iodide**

Remarks	No data available.
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Carcinogenicity (Components)**Potassium iodide**

Remarks	No data available.
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Specific Target Organ Toxicity (STOT) (Components)**Potassium iodide**

Repeated exposure evaluation	Causes damage to organs through prolonged or repeated exposure Route of exposure oral Organs: Thyroid
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Potassium iodide

Single exposure Remarks	No data available
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Other information

Observe the usual precautions for handling chemicals.

SECTION 12: Ecological information *****12.1. Toxicity****General information**

There is no data available on the product apart from the information given in this subsection.

Fish toxicity (Components)**Potassium iodide**

Species	zebra fish (Brachydanio rerio)	
LC50	> 100	mg/l
Duration of exposure	96	h
Method	OECD 203	

Daphnia toxicity (Components)**Potassium iodide**

Remarks	No data available.
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Algae toxicity (Components)**Potassium iodide**

Remarks	No data available.
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Bacteria toxicity (Components)**Potassium iodide**

Remarks	No data available.
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12.2. Persistence and degradability**Biodegradability (Components)****Potassium iodide**

Remarks

Inorganic product, cannot be eliminated from the water by biological purification processes.

12.3. Bioaccumulative potential**General information**

For this subsection there is no ecotoxicological data available on the product as such.

12.5. Results of PBT and vPvB assessment**General information**

For this subsection there is no ecotoxicological data available on the product as such.

Evaluation of persistence and bioaccumulation potential (Components)**Potassium iodide**

Does not bioaccumulate.

Potassium iodide

The product contains no PBT or vPvB substances.

12.6. Other adverse effects**General information**

There is no data available on the product apart from the information given in this subsection.

General information / ecology

Do not allow it to reach soil, ground water, water bodies or sewage system.

SECTION 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.

SECTION 14: Transport information

	Land transport ADR/RID	Marine transport IMDG/GGVSee	Air transport ICAO/IATA
14.1. UN number	The product does not constitute a hazardous substance in land transport.	The product does not constitute a hazardous substance in sea transport.	The product does not constitute a hazardous substance in air transport.

SECTION 15: Regulatory information *****15.1. Safety, health and environmental regulations/legislation specific for the substance or mixture****Water Hazard Class (Germany) *****

Water Hazard Class (Germany) WGK 3

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Remarks

Derivation of WGK according to Annex 1 No. 5.2 AwSV

15.2. Chemical safety assessment

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

SECTION 16: Other information

Hazard statements listed in Chapter 3

H372

Causes damage to organs through prolonged or repeated exposure.

CLP categories listed in Chapter 3

STOT RE 1

Specific target organ toxicity - repeated exposure, Category 1

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.