

Potassium iodide 10 w/v-%

Date 12.10.2022

Previous date: 24.11.2019

1. IDENTIFICATION OF THE SUBSTANCE/MIXTURE AND OF THE COMPANY/UNDERTAKING**1.1 Product identifier****1.1.1 Commercial Product Name**

Potassium iodide 10 w/v-%

1.1.2 Product codeFF661 5 L, FF259 1 L
UFI D8Q0-J08K-W004-54HW**1.2 Relevant identified uses of the substance or mixture and uses advised against****1.2.1 Recommended use**

Laboratory chemical

1.3 Details of the supplier of the safety data sheet**1.3.1 Supplier**

Oy FF-Chemicals Ab

Street address

Teollisuustie 4

Postcode and post office

FI-90830 HAUKIPUDAS

Finland

Telephone

+358 8 5563 193

Telefax

+358 8 5563 194

Business ID

05851808

Email

ffc@ff-chemicals.fi

1.4 Emergency telephone number**1.4.1 Telephone number, name and address**

Please contact the Emergency Centre in your own country.

2. HAZARDS IDENTIFICATION**2.1 Classification of the substance or mixture****1272/2008 (CLP)**

STOT RE 1, H372

2.2 Label elements**1272/2008 (CLP)**

GHS08

Signal word

Danger**Hazard Statements**

H372

Causes damage to organs (thyroid gland) through prolonged or repeated exposure (if swallowed).

Precautionary Statements

P260

Do not breathe dust/fume/gas/mist/vapours/spray.

P264

Wash skin thoroughly after handling.

P280

Wear protective gloves/protective clothing/eye protection/face protection.

P314

Get medical advice/attention if you feel unwell.

P501

Dispose of contents/container to an approved waste disposal plant.

2.3 Other hazards

This substance/mixture contains no components considered to be either persistent, bioaccumulative and toxic (PBT), or very persistent and very bioaccumulative (vPvB) at levels of 0.1% or higher.

**3. COMPOSITION/INFORMATION ON INGREDIENTS****3.2 Mixtures****Hazardous components****CAS/EC and
Reg.number****EINECS****Chemical name of the
substance****Concentration****Classification**

7681-11-0

231-659-4

Potassium iodide

10 %

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3.3 Other information

The full text of hazard statements are given in chapter 16.

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4. FIRST AID MEASURES**4.1 Description of first aid measures**

Show this material safety data sheet to the doctor in attendance.

4.1.2 Inhalation

After inhalation: fresh air. Call in physician.

4.1.3 Skin contact

In case of skin contact: Take off immediately all contaminated clothing. Rinse skin with water/ shower.

4.1.4 Eye contact

After eye contact: rinse out with plenty of water. Remove contact lenses.

4.1.5 Ingestion

After swallowing: immediately make victim drink water (two glasses at most). Consult a physician.

4.2 Most important symptoms and effects, both acute and delayed

Causes damage to organs (thyroid gland) through prolonged or repeated exposure (if swallowed).

4.3 Indication of immediate medical attention and special treatment needed

No data available.

5. FIREFIGHTING MEASURES**5.1 Extinguishing media****5.1.1 Suitable extinguishing media**

Use extinguishing measures that are appropriate to local circumstances and the surrounding environment.

5.1.2 Extinguishing media which must not be used for safety reasons

For this substance/mixture no limitations of extinguishing agents are given.

5.2 Special hazards arising from the substance or mixture

Hydrogen iodide, potassium oxides.

Not combustible.

Fire may cause evolution of: hydrogen iodide.

Ambient fire may liberate hazardous vapours.

5.3 Advice for firefighters

Stay in danger area only with self-contained breathing apparatus. Prevent skin contact by keeping a safe distance or by wearing suitable protective clothing.

5.4 Specific methods

Suppress (knock down) gases/vapors/mists with a water spray jet. Prevent fire extinguishing water from contaminating surface water or the ground water system.

6. ACCIDENTAL RELEASE MEASURES**6.1 Personal precautions, protective equipment and emergency procedures**

Avoid substance contact. Ensure adequate ventilation. Evacuate the danger area, observe emergency procedures, consult an expert. For personal protection see section 8.

6.2 Environmental precautions

Do not let product enter drains.

6.3 Methods and materials for containment and cleaning up

Cover drains. Collect, bind, and pump off spills. Dispose of properly. Clean up affected area.

6.4 Reference to other sections

For disposal see section 13.

7. HANDLING AND STORAGE**7.1 Precautions for safe handling**

For precautions see section 2.2.

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7.2 Conditions for safe storage, including any incompatibilities

Tightly closed. Keep in a well-ventilated place. Keep locked up or in an area accessible only to qualified or authorized persons.

7.3 Specific end use(s)

Apart from the uses mentioned in section 1.2 no other specific uses are stipulated.

8. EXPOSURE CONTROLS/PERSONAL PROTECTION**8.1 Control parameters****8.2 Exposure controls****8.2.1 Appropriate engineering controls**

Handle in accordance with good industrial hygiene and safety practice.

8.2.2 Individual protection measures**8.2.2.1 Respiratory protection**

Wear respirator, if vapours or mist are emitted into workplace air.

8.2.2.2 Hand protection

Material: Nitrile rubber

Minimum layer thickness: 0,11 mm

Break through time: 480 min

8.2.2.3 Eye/face protection

Safety glasses EN 166

8.2.2.4 Skin protection

Protective clothing

8.2.3 Environmental exposure controls

Do not let product enter drains.

9. PHYSICAL AND CHEMICAL PROPERTIES**9.1 Important Health Safety and Environmental Information****9.1.1 Appearance**

Liquid

9.1.2 Odour

Odourless

9.1.3 Odour threshold

No data available.

9.1.4 pH

No data available.

9.1.5 Melting point/freezing point

No data available.

9.1.6 Initial boiling point and boiling range

No data available.

9.1.7 Flash point

Not applicable.

9.1.8 Evaporation rate

No data available.

9.1.9 Flammability (solid, gas)

The product is not flammable.

9.1.10 Explosive properties**9.1.10.1 Lower explosion limit**

No data available.

9.1.10.2 Upper explosion limit

No data available.

9.1.11 Vapour pressure

No data available.

9.1.12 Vapour density

No data available.

9.1.13 Relative density

No data available.

9.1.14 Solubility(ies)**9.1.14.1 Water solubility**

Soluble in water.

9.1.15 Partition coefficient: n-octanol/water

No data available.

9.1.16 Auto-ignition temperature

No data available.

9.1.17 Decomposition temperature

No data available.

9.1.18 Viscosity

No data available.

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- 9.1.19 Explosive properties** No data available.
- 9.1.20 Oxidising properties** No data available.
- 9.2 Other information**
No data available.

10. STABILITY AND REACTIVITY

- 10.1 Reactivity**
The product is chemically stable under standard ambient conditions (room temperature).
- 10.2 Chemical stability**
The product is chemically stable under standard ambient conditions (room temperature).
- 10.3 Possibility of hazardous reactions**
No data available.
- 10.4 Conditions to avoid**
No data available.
- 10.5 Incompatible materials**
No data available.
- 10.6 Hazardous decomposition products**
In the event of fire: see section 5.

11. TOXICOLOGICAL INFORMATION

- 11.1 Information on toxicological effects**
- 11.1.1 Acute toxicity**
Based on available data, the classification criteria are not met.
Potassium iodide:
LD50 Dermal - Rat - male and female - > 2.000 mg/kg
- 11.1.2 Irritation and corrosion**
Based on available data, the classification criteria are not met.
- 11.1.3 Sensitisation**
Based on available data, the classification criteria are not met.
- 11.1.4 Subacute, subchronic and prolonged toxicity**
Based on available data, the classification criteria are not met.
- 11.1.5 STOT-single exposure**
Based on available data, the classification criteria are not met.
- 11.1.6 STOT-repeated exposure**
Causes damage to organs (thyroid gland) through prolonged or repeated exposure (if swallowed).
- 11.1.7 Aspiration hazard**
Based on available data, the classification criteria are not met.
- 11.1.8 Other information on acute toxicity**
To the best of our knowledge, the chemical, physical, and toxicological properties have not been thoroughly investigated.

12. ECOLOGICAL INFORMATION

- 12.1 Toxicity**
- 12.1.1 Aquatic toxicity**
Based on available data, the classification criteria are not met.
- 12.2 Persistence and degradability**
- 12.2.1 Biodegradation**
The methods for determining the biological degradability are not applicable to inorganic substances.
- 12.3 Bioaccumulative potential**
No data available.

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12.4 Mobility in soil

No data available.

12.5 Results of PBT and vPvB assessment

This substance/mixture contains no components considered to be either persistent, bioaccumulative and toxic (PBT), or very persistent and very bioaccumulative (vPvB) at levels of 0.1% or higher.

12.6 Other adverse effects

No data available.

13. DISPOSAL CONSIDERATIONS**13.1 Waste treatment methods**

Dispose of contents/container in accordance with local/regional/national/international regulations.

14. TRANSPORT INFORMATION**14.1 UN number**

Not dangerous goods

14.2 UN proper shipping name

Not dangerous goods

14.3 Transport hazard class(es)

Not dangerous goods

14.4 Packing group

Not dangerous goods

14.5 Environmental hazards

Not dangerous goods

14.6 Special precautions for users

Not classified as dangerous in the meaning of transport regulations.

14.7 Transport in bulk according to Annex II of MARPOL 73/78 and the IBC Code

Not applicable.

15. REGULATORY INFORMATION**15.1 Safety, health and environmental regulations/legislation specific for the substance or mixture**

This material safety data sheet complies with the requirements of Regulation (EC) No. 1907/2006. Seveso III: Directive 2012/18/EU of the European Parliament and of the Council on the control of major-accident hazards involving dangerous substances: Not applicable
Take note of Dir 94/33/EC on the protection of young people at work.

15.2 Chemical safety assessment

For this product a chemical safety assessment was not carried out.

16. OTHER INFORMATION**16.1 Additions, Deletions, Revisions**

General revision.

16.3 Key literature references and sources for data

ECHA C&L Inventory

16.4 Classification procedure

CLP regulation (1272/2008/EC)

16.5 List of relevant R phrases, hazard statements, safety phrases and/or precautionary statements

H372 Causes damage to organs (thyroid gland) through prolonged or repeated exposure (if swallowed).

16.6 Training advice

Handling of hazardous chemicals.

16.8 Additional information available from:

Oy FF-Chemicals Ab, Finland, tel. +358 8 5563 193
ffc@ff-chemicals.fi

The information contained herein is based on the present state of our knowledge and does therefore not guarantee certain properties.