

Trade name: Iodi solutio ethanolica

Substance number: 215801

Version: 6 / CH

Date revised: 09.09.2025

Replaces Version: 5 / CH

Print date: 09.09.25

SECTION 1: Identification of the substance/mixture and of the company/undertaking

1.1. Product identifier

Iodi solutio ethanolica

Item No. 21580100

1.2. Relevant identified uses of the substance or mixture and uses advised against

Use of the substance/preparation

Active pharmaceutical substance

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)

Flam. Liq. 2 H225

STOT RE 2 H373

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 ***

H225

Highly flammable liquid and vapour.

H373

May cause damage to organs through prolonged or repeated exposure.

Thyroid

Route of exposure: oral

Precautionary statements

P210

Keep away from heat, hot surfaces, sparks, open flames and other ignition

Trade name: Iodi solutio ethanolica

Substance number: 215801

Version: 6 / CH

Date revised: 09.09.2025

Replaces Version: 5 / CH

Print date: 09.09.25

P260 sources. No smoking.
 P280 Do not breathe dust/fume/gas/mist/vapours/spray.
 P314 Wear protective gloves/protective clothing/eye protection/face protection.
 P403+P233 Get medical advice/attention if you feel unwell.
 P501.3 Store in a well-ventilated place. Keep container tightly closed.
 Disposal in compliance with local and national regulations.

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

contains *** Potassium iodide; iodine

Reduced labeling (<= 125 ml)**Hazard pictograms *******Signal word *****

Danger

2.3. Other hazards

In use, may form flammable/explosive vapour-air mixture. Repeated exposure may cause skin dryness or cracking. Irritating to eyes, respiratory system and skin.

The product contains no PBT substances. The product contains no vPvB substances. This product does not contain a substance that has endocrine disrupting properties with respect to human. The product does not contain a substance that has endocrine disrupting properties with respect to non-target organisms.

SECTION 3: Composition/information on ingredients *****3.2. Mixtures****Chemical characterization**

Alcoholic solution
Medicinal products

Hazardous ingredients *****iodine**

CAS No.	7553-56-2
EINECS no.	231-442-4
Registration no.	01-2119485285-30-XXXX
Concentration	>= 1 < 10 %
Classification (Regulation (EC) No. 1272/2008)	

Acute Tox. 4	H312
Acute Tox. 4	H332
Skin Irrit. 2	H315
Eye Irrit. 2	H319
STOT SE 3	H335
STOT RE 1	H372
Aquatic Acute 1	H400
Acute Tox. 4	H302

Respiratory tract
Thyroid; Route of exposure: oral

Concentration limits (Regulation (EC) No. 1272/2008)

M = 1

ATE	oral	315	mg/kg
ATE	dermal	1'425	mg/kg

Trade name: Iodi solutio ethanolica

Substance number: 215801

Version: 6 / CH

Date revised: 09.09.2025

Replaces Version: 5 / CH

Print date: 09.09.25

ATE inhalative, Dust/Mist 4.588 mg/l

Potassium iodide

CAS No. 7681-11-0

EINECS no. 231-659-4

Registration no. 01-2119906339-35-XXXX

Concentration ≥ 1 < 10 %

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

STOT RE 1

H372

Thyroid; Route of exposure: oral

Further ingredients**ethanol**

CAS No. 64-17-5

EINECS no. 200-578-6

Registration no. 01-2119457610-43-0098

Concentration ≥ 50 %

Advice: [3]

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

Flam. Liq. 2

H225

water

CAS No. 7732-18-5

EINECS no. 231-791-2

Concentration ≥ 1 < 10 %

Advice: [4]

Note

[3] Substance with occupational exposure limits

[4] Voluntary information

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

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

After skin contact

Wash immediately with plenty of water for several minutes. Consult a doctor if skin irritation persists.

After eye contact

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

After ingestion

Do not induce vomiting - aspiration hazard. Summon a doctor immediately.

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

Headache, Dizziness, Unconsciousness, Nausea

SECTION 5: Firefighting measures**5.1. Extinguishing media****Suitable extinguishing media**

Carbon dioxide, Dry powder, Water spray jet, Extinguish greater fire with water spray or alcohol-resistant foam.

Non suitable extinguishing media

Full water jet

Trade name: Iodi solutio ethanolica

Substance number: 215801

Version: 6 / CH

Date revised: 09.09.2025

Replaces Version: 5 / CH

Print date: 09.09.25

5.2. Special hazards arising from the substance or mixtureIn case of fires, hazardous combustion gases are formed; Carbon monoxide (CO); Carbon dioxide (CO₂)**5.3. Advice for firefighters****Special protective equipment for fire-fighting**

Use self-contained breathing apparatus.

Other information

Cool endangered containers with water spray jet.

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

Use personal protective clothing. Remove persons to safety. Ensure adequate ventilation. Keep away sources of ignition.

6.2. Environmental precautions

Dilute with lot of water. Do not discharge into the drains/surface waters/groundwater. Do not discharge into the subsoil/soil.

6.3. Methods and material for containment and cleaning up

Pick up with absorbent material (eg sand, kieselgur, acid binder, universal binder, sawdust).

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

Provide good ventilation of working area (local exhaust ventilation if necessary).

Advice on protection against fire and explosion

Keep away from sources of ignition - No smoking. Take action to prevent static discharges.

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

Keep tightly closed in a dry and cool place.

Storage classes

Storage class according to TRGS 510	3	Flammable liquid
Storage category (Switzerland)	3	Flammable liquid

Further information on storage conditions

Product is hygroscopic. Store only in the open air or in explosion-proof rooms.

SECTION 8: Exposure controls/personal protection**8.1. Control parameters****Exposure limit values****ethanol**

List	SUVA			
Type	MAK			
Value	960	mg/m ³	500	ppm(V)
Short term exposure limit	1920	mg/m ³	1000	ppm(V)

Pregnancy group: S; Remarks: SSc; Formal; INRS NIOSH

Derived No/Minimal Effect Levels (DNEL/DMEL)**ethanol**

Trade name: Iodi solutio ethanolica

Substance number: 215801

Version: 6 / CH

Date revised: 09.09.2025

Replaces Version: 5 / CH

Print date: 09.09.25

Type of value	Derived No Effect Level (DNEL)	
Reference group	Worker	
Duration of exposure	Long term	
Route of exposure	dermal	
Mode of action	Systemic effects	
Concentration	343	mg/kg/d

Type of value	Derived No Effect Level (DNEL)	
Reference group	Worker	
Duration of exposure	Long term	
Route of exposure	inhalative	
Mode of action	Systemic effects	
Concentration	950	mg/m ³

iodine

Type of value	Derived No Effect Level (DNEL)	
Reference group	Worker	
Duration of exposure	Acute	
Route of exposure	inhalative	
Mode of action	Systemic effects	
Concentration	1	mg/m ³

Type of value	Derived No Effect Level (DNEL)	
Reference group	Worker	
Duration of exposure	Long term	
Route of exposure	inhalative	
Mode of action	Systemic effects	
Concentration	0.07	mg/m ³

Type of value	Derived No Effect Level (DNEL)	
Reference group	Worker	
Duration of exposure	Acute	
Route of exposure	dermal	
Mode of action	Systemic effects	
Concentration	0.01	mg/kg

Type of value	Derived No Effect Level (DNEL)	
Reference group	Worker	
Duration of exposure	Long term	
Route of exposure	dermal	
Mode of action	Systemic effects	
Concentration	0.01	mg/kg

Predicted No Effect Concentration (PNEC)**ethanol**

Type of value	PNEC	
Type	Freshwater	
Conditions	Long term	
Concentration	0.96	mg/l

Type of value	PNEC	
Type	Saltwater	
Concentration	0.79	mg/l

Type of value	PNEC	
Type	Freshwater sediment	

Trade name: Iodi solutio ethanolica

Substance number: 215801

Version: 6 / CH

Date revised: 09.09.2025

Replaces Version: 5 / CH

Print date: 09.09.25

Concentration	3.6	mg/kg
---------------	-----	-------

Type of value	PNEC	
Type	Marine sediment	
Concentration	2.9	mg/kg

Type of value	PNEC	
Type	Freshwater	
Conditions	Intermittend	
Concentration	2.75	mg/l

Type of value	PNEC	
Type	Sewage treatment plant (STP)	
Concentration	580	mg/l

iodine

Type of value	PNEC	
Type	Freshwater	
Concentration	0.01813	mg/l

Type of value	PNEC	
Type	Saltwater	
Concentration	0.006001	mg/l

Type of value	PNEC	
Type	Sewage treatment plant (STP)	
Concentration	11	mg/l

Type of value	PNEC	
Type	Marine sediment	
Concentration	20.22	mg/kg

Type of value	PNEC	
Type	Soil	
Concentration	5.95	mg/kg

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

Wash hands before breaks and after work.

Respiratory protection

Not necessary, but do not inhale vapours.

Hand protection

impermeable gloves

Eye protection

Tightly fitting safety glasses

Body protection

Fire-resistant protective clothing

SECTION 9: Physical and chemical properties**9.1. Information on basic physical and chemical properties****Physical state** liquid, clear**Colour** dark brown

Trade name: Iodi solutio ethanolica

Substance number: 215801

Version: 6 / CH

Date revised: 09.09.2025

Replaces Version: 5 / CH

Print date: 09.09.25

Odour characteristic**Boiling point or initial boiling point and boiling range**

Value > 78 °C

Source GESTIS-Stoffdatenbank

Flash point

Value < 21 °C

Source GESTIS-Stoffdatenbank

Decomposition temperature

Remarks No decomposition if used as prescribed.

Vapour pressure

Value < 58 hPa

Source GESTIS-Stoffdatenbank

Density and/or relative density

Value appr. 0.89

Remarks Relative Density according specification

SECTION 10: Stability and reactivity**10.1. Reactivity**

Risk of ignition or formation of inflammable gases or vapours with: Air

10.2. Chemical stability

No decomposition if stored and applied as directed.

10.3. Possibility of hazardous reactions

Possible incompatibility with materials listed under section 10.5.

10.4. Conditions to avoid

Keep away from sources of heat and ignition.

10.5. Incompatible materialsReactions with strong oxidising agents. Reactions with strong acids. Reactions with earth alkali metals.
Reactions with alkali metals.**10.6. Hazardous decomposition products**

In the event of fire the following can be released: Carbon monoxide and carbon dioxide, Hazardous decomposition products: Flammable gases/vapours

SECTION 11: Toxicological information**11.1. Information on hazard classes as defined in Regulation (EC) No 1272/2008****Acute oral toxicity**ATE 4'846.15 mg/kg
38

Method calculated value according to GHS (e.g see UN GHS)

Remarks Based on available data, the classification criteria are not met.

Acute oral toxicity (Components)**Potassium iodide**Species rat
LD50 2779 mg/kg**ethanol**Species rat
LD50 7060 mg/kg

Trade name: Iodi solutio ethanolica

Substance number: 215801

Version: 6 / CH

Date revised: 09.09.2025

Replaces Version: 5 / CH

Print date: 09.09.25

Source Toxicology and Applied Pharmacology. Vol. 16, Pg. 718, 1970.

ethanol

Species	rat		
LD50		10470	mg/kg

iodine

Species	rat		
LD50		315	mg/kg
Method	EPA		

Acute dermal toxicity

ATE	>	10'000	mg/kg
Method	calculated value according to GHS (e.g see UN GHS)		
Remarks	Based on available data, the classification criteria are not met.		

Acute dermal toxicity (Components)**Potassium iodide**

Species	rat		
LD50	>	2000	mg/kg
Method	OECD 402		

ethanol

Species	rabbit		
LD50		15800	mg/kg

ethanol

NOAEL		8232	mg/kg
-------	--	------	-------

iodine

Species	rabbit		
LD50		1425	mg/g
Source	US-EPA		

Acute inhalational toxicity

ATE	>	20	mg/l
Administration/Form	Dust/Mist		
Method	calculated value according to GHS (e.g see UN GHS)		
Remarks	Based on available data, the classification criteria are not met.		

Acute inhalative toxicity (Components)**Potassium iodide**

Remarks	No data available
---------	-------------------

ethanol

Species	rat		
LC50		30000	mg/m ³
Duration of exposure	4	h	
Administration/Form	Vapors		

iodine

Species	rat		
	>	4.588	mg/l
Duration of exposure	4	h	
Administration/Form	Dust/Mist		
Method	OECD 403		

Skin corrosion/irritation

Remarks	Based on available data, the classification criteria are not met.
---------	---

Skin corrosion/irritation (Components)**Potassium iodide**

Species	rabbit
evaluation	non-irritant

Trade name: Iodi solutio ethanolica

Substance number: 215801

Version: 6 / CH

Date revised: 09.09.2025

Replaces Version: 5 / CH

Print date: 09.09.25

Method OECD 404

ethanol

evaluation non-irritant

iodine

evaluation irritant

Method OECD 439

Remarks Longer or repeated exposure with the product may cause dermatitis

iodine

evaluation non-corrosive

Method OECD 439

iodine

evaluation Moderately irritating

Method Regulation (EC) 440/2008, B.46

Serious eye damage/irritation

Remarks Based on available data, the classification criteria are not met.

Serious eye damage/irritation (Components)**Potassium iodide**

Species rabbit

Method OECD 405

Remarks None

ethanol

evaluation irritant

iodine

evaluation strongly irritant

Sensitization

Remarks Based on available data, the classification criteria are not met.

Sensitization (Components)**Potassium iodide**

Species Human

Remarks negative

Source Patch-Test

ethanol

evaluation non-sensitizing

iodine

Species mouse

evaluation non-sensitizing

Method OECD 429

Subacute, subchronic, chronic toxicity (Components)**Potassium iodide**

Remarks No data available

Mutagenicity

Remarks Based on available data, the classification criteria are not met.

Mutagenicity (Components)**Potassium iodide**

Species Salmonella typhimurium

evaluation No mutagenicity in the Ames-test.

Source ECHA

ethanol

evaluation No mutagenicity in the Ames-test.

Trade name: Iodi solutio ethanolica

Substance number: 215801

Version: 6 / CH

Date revised: 09.09.2025

Replaces Version: 5 / CH

Print date: 09.09.25

iodine

Species mouse
 evaluation No mutagenicity according to various in vitro tests.
 Method OECD 476

Reproductive toxicity

Remarks Based on available data, the classification criteria are not met.

Reproduction toxicity (Components)**Potassium iodide**

Remarks No data available.

iodine

Remarks No data available

Carcinogenicity

Remarks Based on available data, the classification criteria are not met.

Carcinogenicity (Components)**Potassium iodide**

Remarks No data available.

iodine

Remarks No data available.

Specific Target Organ Toxicity (STOT)**Single exposure**

Remarks Based on available data, the classification criteria are not met.

Repeated exposure

Remarks The classification criteria are met.
 evaluation May cause damage to organs through prolonged or repeated exposure

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

Potassium iodide**Single exposure**

Remarks No data available

iodine**Repeated exposure**

evaluation Causes damage to organs.
 Route of exposure oral
 Organs: Thyroid

iodine**Single exposure**

evaluation May cause respiratory irritation.
 Route of exposure inhalative
 Organs: Respiratory tract

Aspiration hazard

Based on available data, the classification criteria are not met.

11.2. Information on other hazards**Endocrine disrupting properties with respect to humans**

Trade name: Iodi solutio ethanolica

Substance number: 215801

Version: 6 / CH

Date revised: 09.09.2025

Replaces Version: 5 / CH

Print date: 09.09.25

The product does not contain a substance that has endocrine disrupting properties with respect to humans.

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 (<i>Brachydanio rerio</i>)	
LC50	> 100	mg/l
Duration of exposure	96	h
Method	OECD 203	

ethanol

Species	golden orfe (<i>Leuciscus idus</i>)	
LC50	8140	mg/l
Duration of exposure	96	h

iodine

Species	rainbow trout (<i>Oncorhynchus mykiss</i>)	
LC50	1.67	mg/l
Duration of exposure	96	h
Source	ECHA	

Daphnia toxicity (Components)

Potassium iodide

Remarks	No data available.
---------	--------------------

ethanol

Species	Daphnia magna	
EC50	9000	to 14000 mg/l
Duration of exposure	48	h

iodine

Species	Daphnia magna	
EC50	0.55	mg/l
Duration of exposure	48	h
Method	static test	
Source	ECHA	

iodine

Species	Daphnia magna	
EC50	0.2	mg/l
Duration of exposure	48	h

Algae toxicity (Components)

Potassium iodide

Remarks	No data available.
---------	--------------------

iodine

Species	Desmodesmus subspicatus	
ErC50	0.13	mg/l
Duration of exposure	72	h
Method	OECD 201	

iodine

Species	Desmodesmus subspicatus	
NOEC	0.025	mg/l
Duration of exposure	72	h

Trade name: Iodi solutio ethanolica

Substance number: 215801

Version: 6 / CH

Date revised: 09.09.2025

Replaces Version: 5 / CH

Print date: 09.09.25

Method OECD 201

Bacteria toxicity (Components)**Potassium iodide**

Remarks No data available.

iodine

Species activated sludge
 EC50 280 mg/l
 Duration of exposure 3 h
 Method OECD 209

12.2. Persistence and degradability**General information**

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

Physico-chemical eliminability (Components)**iodine**

Remarks No data available.

Biodegradability (Components)**Potassium iodide**

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

ethanol

Value 94 %
 evaluation Readily biodegradable

iodine

Remarks Not applicable

Ready degradability (Components)**iodine**

Remarks Not applicable.

Chemical oxygen demand (COD) (Components)**ethanol**

Value 0.93 to 1.67 mg/g

12.3. Bioaccumulative potential**General information**

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

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

log Pow -0.31

iodine

log Pow 2.49
 Method experimental

Bioconcentration factor (BCF) (Components)**ethanol**

BCF 0.66

12.4. Mobility in soil**General information**

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

12.5. Results of PBT and vPvB assessment

Trade name: Iodi solutio ethanolica

Substance number: 215801

Version: 6 / CH

Date revised: 09.09.2025

Replaces Version: 5 / CH

Print date: 09.09.25

General information

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

Results of PBT and vPvB assessment

The product contains no PBT substances

The product contains no vPvB substances.

Results of PBT and vPvB assessment (Ingredients)

ethanol

The Substance doesn't meets PBT/vPvB-criterions

12.6 Endocrine disrupting properties

Endocrine disrupting properties with respect to the environment

The product does not contain a substance that has endocrine disrupting properties with respect to non-target organisms.

12.7. Other adverse effects

General information / ecology

Do not allow undiluted product or large quantities of it to reach ground water, water bodies or sewage system. The product is easily volatile.

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

Disposal in compliance with local and national regulations.

SECTION 14: Transport information ***

Trade name: Iodi solutio ethanolica




Substance number: 215801

Version: 6 / CH

Date revised: 09.09.2025

Replaces Version: 5 / CH

Print date: 09.09.25

	Land transport ADR/RID ***	Marine transport IMDG/GGVSee ***	Air transport ICAO/IATA ***
Tunnel restriction code	D/E		
14.1. UN number or ID number	1293	1293	1293
14.2. UN proper shipping name	TINCTURES, MEDICINAL (ethanol)	TINCTURES, MEDICINAL (ethanol)	TINCTURES, MEDICINAL (ethanol)
14.3. Transport hazard class(es)	3	3	3
Label			
14.4. Packing group	II	II	II
Limited Quantity	1 I	1 I	
Transport category	2		
14.5. Environmental hazards	-		

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 WGK 2

(Germany)

Remarks Derivation of WGK according to Annex 1 No. 5.2 AwSV

Other information ***

The product does not contain substances according to Candidate List for inclusion in Annex XIV of Regulation (EC) No. 1907/2006 (REACH) with a content of $\geq 0.1\%$ w/w.

SECTION 16: Other information

Classification and procedure used to derive the classification for mixtures according to Regulation (EC) 1272/2008 [CLP]:

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

Flam. Liq. 2

H225

On basis of test data

STOT RE 2

H373

Calculation method

Hazard statements listed in Chapter 2/3

H225

Highly flammable liquid and vapour.

H302

Harmful if swallowed.

H312

Harmful in contact with skin.

H315

Causes skin irritation.

Trade name: Iodi solutio ethanolica

Substance number: 215801

Version: 6 / CH

Date revised: 09.09.2025

Replaces Version: 5 / CH

Print date: 09.09.25

H319	Causes serious eye irritation.
H332	Harmful if inhaled.
H335	May cause respiratory irritation.
H372	Causes damage to organs through prolonged or repeated exposure.
H373	May cause damage to organs through prolonged or repeated exposure.
H400	Very toxic to aquatic life.

CLP categories listed in Chapter 2/3

Acute Tox. 4	Acute toxicity, Category 4
Aquatic Acute 1	Hazardous to the aquatic environment, acute, Category 1
Eye Irrit. 2	Eye irritation, Category 2
Flam. Liq. 2	Flammable liquid, Category 2
Skin Irrit. 2	Skin irritation, Category 2
STOT RE 1	Specific target organ toxicity - repeated exposure, Category 1
STOT RE 2	Specific target organ toxicity - repeated exposure, Category 2
STOT SE 3	Specific target organ toxicity - single exposure, Category 3

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.