

Trade name: Iodi solutio ethanolica/Caelo

Substance number: 332600

Version: 2 / CH

Date revised: 17.12.2018

Replaces Version: 1 / CH

Print date: 04.10.19

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

1.1. Product identifier

Iodi solutio ethanolica/Caelo

Item No. 33260001

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

Use of the substance/preparation

Medicinal product

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

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.

Precautionary statements

P210 Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking.

P233 Keep container tightly closed.

P243 Take action to prevent static discharges.

P280 Wear protective gloves/protective clothing/eye protection/face protection.

P370+P378.1 In case of fire: Use water sprayjet, carbon dioxide, alcohol-resistant foam or dry powder for extinction.

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P403+P235

Store in a well-ventilated place. Keep cool.

SECTION 3: Composition/information on ingredients

3.2. Mixtures

Chemical characterization

Alcoholic solution
Medicinal products

Further ingredients

Ethanol

CAS No.	64-17-5
EINECS no.	200-578-6
Advice: [4]	
Classification (Regulation (EC) No. 1272/2008)	
Flam. Liq. 2	H225

Note

[4] Voluntary information

Other information

The product is an article within the meaning of Article 3 No. 3 of the REACH Regulation and thus not to be labelled according to the CLP regulation. The compilation of the Safety Data sheet is not required according to Article 31 REACH Regulation for articles and is done on a voluntary basis.

SECTION 4: First aid measures

4.1. Description of first aid measures

General information

If you feel unwell, seek medical advice (show the label where possible). Take off contaminated clothing and shoes immediately.

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

Rinse mouth thoroughly with water. Summon a doctor immediately.

SECTION 5: Firefighting measures

5.1. Extinguishing media

Suitable extinguishing media

Water spray jet, Carbon dioxide, Foam, Dry powder

Non suitable extinguishing media

Full water jet

5.2. Special hazards arising from the substance or mixture

In the event of fire the following can be released: Carbon monoxide (CO)

5.3. Advice for firefighters

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Special protective equipment for fire-fighting

Wear full protective suit. 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**

Ensure adequate ventilation. Remove persons to safety. Keep away sources of ignition.

6.2. Environmental precautions

Do not allow to enter drains or waterways. Advise water authority if spillage has entered water course or drainage system.

6.3. Methods and material for containment and cleaning up

Take up with absorbent material (eg sand, kieselguhr, universal binder). Dispose of absorbed material in accordance with the regulations. Clean up affected area.

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

Keep away from heat and sources of ignition. Take action to prevent static discharges. No special measures necessary if used correctly.

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

Keep tightly closed in a dry and cool place.

Further information on storage conditions

Protect from light.

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; Status: 2017; Remarks: SSc; OAW, FormalKT HU; INRS, NIOSH				

Iodine

List	SUVA			
Type	MAK			
Value	1	mg/m ³	0,1	ppm(V)
Short term exposure limit	1	mg/m ³	0,1	ppm(V)
Skin resorption / sensibilisation: H; Status: 2017; Remarks: H; OAW & Auge; OSHA				

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

Keep away from food-stuffs, beverages and feed-stocks. Avoid contact with eyes. Observe the usual precautions for handling chemicals.

Respiratory protection

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necessary; Do not breathe vapours, dust or aerosol. Provide adequate ventilation.

Hand protection

Nitrile gloves.

Eye protection

Tightly fitting safety glasses

Body protection

Light protective clothing; Fire-resistant protective clothing

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

Form	liquid		
Colour	red-brown		
Odour	of ethanol		
pH value			
Remarks	not determined		
Initial boiling point and boiling range			
Value	> 78		°C
Source	GESTIS-Stoffdatenbank		
Flash point			
Value	21	to	22 °C
Method	closed cup		
Source	GESTIS-Stoffdatenbank		
Vapour pressure			
Value	< 5.8		kPa
Temperature	20		°C
Source	GESTIS-Stoffdatenbank		
Density			
Value	0.92633	to	0.93132 g/cm ³
Source	calculated value		
Efflux time			
Value	< 10		s
Method	DIN 53211 4 mm		
Source	Estimated value		

9.2. Other information**Other information**

The physical data is that of the main component.

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

Keep away from sources of heat and ignition. No decomposition if stored and applied as directed.

10.4. Conditions to avoid

Heat

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10.5. Incompatible materials

Alkaline metals, peroxides, Ammonia, Oxidising agents, Reactions with metals in powder form.

10.6. Hazardous decomposition products

Hazardous decomposition products: Carbon monoxide, Carbon dioxide, Flammable gases/vapours

SECTION 11: Toxicological information**11.1. Information on toxicological effects****Acute oral toxicity (Components)****Ethanol**

Species	rat		
LD50	7060		mg/kg
Source	Toxicology and Applied Pharmacology. Vol. 16, Pg. 718, 1970.		

Ethanol

Species	rat		
LD50	10470		mg/kg

Acute dermal toxicity (Components)**Ethanol**

Species	rabbit		
LD50	15800		mg/kg

Acute inhalative toxicity (Components)**Ethanol**

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

Skin corrosion/irritation (Components)**Ethanol**

evaluation	non-irritant
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Serious eye damage/irritation

Remarks	Eye contact with the product may lead to irritation.
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Serious eye damage/irritation (Components)**Ethanol**

evaluation	irritant
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Mutagenicity (Components)**Ethanol**

evaluation	No mutagenicity in the Ames-test.
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Experience in practice

The solvent vapours cause an irritating effect to the respiratory organs. Causes disorders of the central nervous system and can cause headache, respiratory difficulties or unconsciousness. Causes a numb feeling. Liver damage is possible.

Other information

When handled appropriately, even after long years of experience with this product, no adverse health effects are known.

SECTION 12: Ecological information

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12.2. Persistence and degradability

Biodegradability (Components)

Ethanol

evaluation Readily biodegradable

Chemical oxygen demand (COD) (Components)

Ethanol

Value 0.93 to 1.67 mg/g

12.5. Results of PBT and vPvB assessment

General information

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

Evaluation of persistence and bioaccumulation potential

The Substance doesn't meet PBT/vPvB-criteria

Evaluation of persistence and bioaccumulation potential (Components)

Ethanol

The Substance doesn't meet PBT/vPvB-criteria

12.6. Other adverse effects

General information / ecology

Toxic for aquatic organisms. Do not allow undiluted product or large quantities of it to reach 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

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

SECTION 15: Regulatory information

SECTION 16: Other information

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.