

Trade name: Amylis acetas iso

Substance number: 152650

Version: 3 / CH

Date revised: 02.10.2019

Replaces Version: 2 / CH

Print date: 02.10.19

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

### **1.1. Product identifier**

Amylis acetas iso

Item No. 15265000

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

#### **Use of the substance/preparation**

Solvent, Chemical for synthesis

### **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. 3 H226

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**

Warning

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

H226 Flammable liquid and vapour.

##### **Precautionary statements \*\*\***

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

P243 Take action to prevent static discharges.

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

P303+P361+P353 IF ON SKIN (or hair): Take off immediately all contaminated clothing. Rinse skin

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P403+P233 with water [or shower].  
P501.3 Store in a well-ventilated place. Keep container tightly closed.  
Disposal in compliance with local and national regulations.

**Supplemental information**

EUH066 Repeated exposure may cause skin dryness or cracking.

**SECTION 3: Composition/information on ingredients \*\*\*****Molecular weight**

Value 130.18 g/mol

**Hazardous ingredients \*\*\*****Isopentyl acetate**

CAS No. 123-92-2

EINECS no. 204-662-3

Concentration  $\geq$  50 %Classification (Regulation (EC) No. 1272/2008)  
Flam. Liq. 3 H226

Additional remarks:

CLP Regulation (EC) No 1272/2008, Annex VI, Note C  
DSD Directive 67/548/EEC, Annex I, Note C**SECTION 4: First aid measures****4.1. Description of first aid measures****After inhalation**

Ensure supply of fresh air.

**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.). Summon a doctor immediately.

**After ingestion**

Let plenty of water be drunk in small gulps. Seek medical advice immediately.

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

Dizziness, Dizziness, Narcosis

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

Carbon dioxide, Foam, Dry powder

**5.2. Special hazards arising from the substance or mixture**

The product is combustible. Vapours heavier than air. Forms explosive mixture with air are possible. If a fire breaks out nearby evolution of dangerous gases possible.

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

Use self-contained breathing apparatus.

**Other information**

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Cool endangered containers with water spray jet. Do not discharge into surface waters/groundwater.

## **SECTION 6: Accidental release measures**

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

Do not inhale vapours. Avoid contact with eyes and skin. Ensure adequate ventilation. Refer to protective measures listed in Sections 7 and 8.

### **6.2. Environmental precautions**

Do not empty into drains. Explosive

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

Pick up with absorbent material. Send in suitable containers for recovery or disposal. Clean up affected area.

### **6.4. Reference to other sections**

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. Isolate from sources of heat, sparks and open flame.

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

Take action to prevent static discharges. Keep away from sources of ignition.

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

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

Unsuitable material: rubber, plastic materials

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

Alkalies, Oxidising agents

#### **Storage classes**

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

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

Protect from heat. Keep away from sources of ignition. Keep containers tightly closed in a dry, cool and well-ventilated place.

## **SECTION 8: Exposure controls/personal protection**

### **8.1. Control parameters**

#### **Exposure limit values**

##### **Isopentyl acetate**

List	SUVA			
Type	MAK			
Value	260	mg/m <sup>3</sup>	50	ppm(V)
Short term exposure limit	260	mg/m <sup>3</sup>	50	ppm(V)
Status: 2017; Remarks: OAWKT HU; INRS, NIOSH				

### **8.2. Exposure controls**

#### **Exposure controls**

See Section 7. No measures exceeding the ones mentioned necessary.

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**General protective and hygiene measures**

Remove contaminated, soaked clothing immediately and dispose of safely. Preventative skin protection. Wash hands and face after work.

**Respiratory protection**

Breathing apparatus in the event of aerosol or mist formation. Breathing apparatus in the event of vapours. Gas filterA.

**Hand protection**

Gloves

Appropriate Material Butyl rubber - Butyl

Material thickness 0.7 mm

Breakthrough time &gt; 120 min

The glove material must be sufficient impermeable and resistant to the substance. Check the tightness before wear. Gloves should be well cleaned before being removed, then stored in a well ventilated location.

**Eye protection**

Safety glasses

**Body protection**

Fire-resistant antistatic protective clothing

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

<b>Form</b>	liquid		
<b>Colour</b>	colourless		
<b>Odour</b>	fruity		
<b>pH value</b>			
Remarks	neutral		
<b>Melting point</b>			
Value	-78		°C
<b>Initial boiling point and boiling range</b>			
Value	142		°C
Pressure	1.013	hPa	
<b>Flash point</b>			
Value	36		°C
<b>Upper/lower flammability or explosive limits</b>			
Lower explosion limit	1		%(V)
Upper explosion limit	10		%(V)
<b>Vapour pressure</b>			
Value	7		hPa
Temperature	20	°C	
<b>Vapour density</b>			
Value	4.49		
<b>Density</b>			
Value	0.87		g/cm <sup>3</sup>
Temperature	20	°C	
<b>Solubility in water</b>			
Value	2.12		g/l
Temperature	19.4		
Pressure	appr.		

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**Partition coefficient: n-octanol/water**

log Pow 2.25

**Ignition temperature**

Value 355 °C

Method DIN 51794

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

Formation of explosive gas/air mixtures.

**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**

Heat

**10.5. Incompatible materials**

Reacts violently with: Alkaline metals, Oxidising agents

**10.6. Hazardous decomposition products**

Toxic gases/vapours

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

Species	rat		
LD50	>	5000	mg/kg

**Acute dermal toxicity (Components)****Isopentyl acetate**

Species	rat		
LD50	>	5000	mg/kg

**Skin corrosion/irritation (Components)****Isopentyl acetate**

Species	rabbit
evaluation	non-irritant
Remarks	Repeated and prolonged skin contact may lead to defatting and irritation of the skin.

**Serious eye damage/irritation (Components)****Isopentyl acetate**

evaluation	slightly irritant
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**Sensitization (Components)****Isopentyl acetate**

Species	Human
Remarks	negative

**Mutagenicity (Components)****Isopentyl acetate**

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

**Other information**

Observe the usual precautions for handling chemicals.

**SECTION 12: Ecological information \*\*\*****12.1. Toxicity****Fish toxicity (Components)****Isopentyl acetate**

Species	golden orfe (Leuciscus idus)		
LC50	36		mg/l

**Algae toxicity (Components)****Isopentyl acetate**

IC50	450		mg/l
Duration of exposure	72	h	

**Bacteria toxicity (Components)****Isopentyl acetate**

EC50	1020		mg/l
Duration of exposure	30	min	

**12.2. Persistence and degradability****Biodegradability (Components)****Isopentyl acetate**

Value	20	to	60	%
Duration of test evaluation	28	d		
Method	not readily degradable OECD 301C			

**12.3. Bioaccumulative potential****Partition coefficient: n-octanol/water**

log Pow	2.25
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**12.5. Results of PBT and vPvB assessment****Evaluation of persistence and bioaccumulation potential (Components)****Isopentyl acetate**

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

**12.6. Other adverse effects****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.

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## SECTION 14: Transport information

	Land transport ADR/RID	Marine transport IMDG/GGVSee	Air transport ICAO/IATA
Tunnel restriction code	D/E		
14.1. UN number	1104	1104	1104
14.2. UN proper shipping name	AMYL ACETATES	AMYL ACETATES	AMYL ACETATES
14.3. Transport hazard class(es)	3	3	3
Label			
14.4. Packing group	III	III	III
Limited Quantity	5 l		
Transport category	3		

## 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 1

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

H226 Flammable liquid and vapour.

### CLP categories listed in Chapter 3

Flam. Liq. 3 Flammable liquid, 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.