

Trade name: Amylis acetas iso

Substance number: 152600

Version: 3 / CH

Date revised: 01.05.2015

Replaces Version: 2 / CH

Print date: 01.05.15

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

1.1. Product identifier

Amylis acetas iso
Item No. 15260000

1.3. Details of the supplier of the safety data sheet

Address

Hänseler AG
Industriestrasse 35
9101 Herisau
Telephone no. 0041 (0)71 353 58 58
E-mail address of
person responsible sdb@haenseler.ch
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.

Classification in accordance with EC directives 1999/45/EC and 67/548/EEC

Classification R10
R66

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 precautionary measures against static discharge.
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 with water/shower.

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P403+P233
P501.9Store in a well-ventilated place. Keep container tightly closed.
Dispose of contents/container as problematic waste.**Hazardous component(s) to be indicated on label (Regulation (EC) No. 1272/2008)****Supplemental information**

EUH066

Repeated exposure may cause skin dryness or cracking.

Labelling in accordance with EC directives 1999/45/EC and 67/548/EEC

The product is classified and labelled in accordance with EC directives/the relevant national laws.

R phrases

10

Flammable.

66

Repeated exposure may cause skin dryness or cracking.

S phrases ***

23

Do not breathe vapours/aerosols.

25

Avoid contact with eyes.

SECTION 3: Composition/information on ingredients *****Hazardous ingredients (Regulation (EC) No. 1272/2008) *******Pentyl acetate**

CAS No.	628-63-7				
EINECS no.	211-047-3				
Concentration	>=	50			%
Classification	R10				
	R66				

Classification (Regulation (EC) No. 1272/2008)				
	Flam. Liq. 3			H226

Additional remarks:

DSD	Directive 67/548/EEC, Annex I, Note C
CLP	Regulation (EC) No 1272/2008, Annex VI, Note C

2-Methylbutylacetat

CAS No.	624-41-9				
EINECS no.	210-843-8				
Concentration	>=	25	<	50	%
Classification	R10				
	R66				

Classification (Regulation (EC) No. 1272/2008)				
	Flam. Liq. 3			H226

Additional remarks:

DSD	Directive 67/548/EEC, Annex I, Note C
CLP	Regulation (EC) No 1272/2008, Annex VI, Note C

Isopentyl acetate

CAS No.	123-92-2				
EINECS no.	204-662-3				
Concentration	>=	1	<	10	%
Classification	R10				
	R66				

Classification (Regulation (EC) No. 1272/2008)				
	Flam. Liq. 3			H226

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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

General information

Take affected person to fresh air.. Remove contaminated, soaked clothing immediately and dispose of safely.

After inhalation

Ensure supply of fresh air.. Irregular breathing/no breathing: artificial respiration.. Heat. In the event of symptoms take medical treatment.. If the patient is likely to become unconscious, place and transport in stable sideways position.

After skin contact

Wash off immediately with soap and water and rinse well.. 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

Let plenty of water be drunk in small gulps.. Ensure supply of fresh air.. Summon a doctor immediately.. Do not induce vomiting.. Administer activated charcoal and sodium sulfate.

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

Irritation of mucosa, Shortness of breath, Coughing, Headache, Dizziness, Nausea, Gastrointestinal complaints, Diarrhoea, CNS Disturbance

4.3. Indication of any immediate medical attention and special treatment needed

Hints for the physician / hazards

In the case of swallowing with subsequent vomiting, aspiration of the lungs can occur which can lead to chemical pneumonia or asphyxiation.

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

5.2. Special hazards arising from the substance or mixture

Avoid inhalation of smoke and vapours.; Burning produces irritant fumes.; Vapours heavier than air.; Can build mixtures of gas and air which are capable of explosion.

5.3. Advice for firefighters

Special protective equipment for fire-fighting

Use self-contained breathing apparatus.; Wear full protective suit.

Other information

Collect contaminated fire-fighting water separately, must not be discharged into the drains.. Cool endangered containers with water spray jet.

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SECTION 6: Accidental release measures

6.1. Personal precautions, protective equipment and emergency procedures

Wear protective equipment. Keep away unprotected persons.

6.2. Environmental precautions

Do not discharge into the drains/surface waters/groundwater.. Prevent spread over a wide area (e.g. by containment or oil barriers).. 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).. When picked up, treat material as prescribed under Section 13 "Disposal".. Provide adequate ventilation.

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).. Provide good room ventilation even at ground level (vapours are heavier than air).. Handle and open container with care.. Avoid formation of aerosols.

Advice on protection against fire and explosion

Keep away from sources of ignition - No smoking.. Vapours can form an explosive mixture with air.. Take precautionary measures against static discharge.. Use explosion-proof equipment/fittings and non-sparking tools.. Risk of explosion if the liquid enters the drains.

7.2. Conditions for safe storage, including any incompatibilities

Requirements for storage rooms and vessels

explosion proof. Provide solvent-resistant and impermeable floor.. Suitable materials: Polyethylene/Polypropylene.

Hints on storage assembly

Do not store with oxidizing agents.

Further information on storage conditions

Keep container in a well-ventilated place.. Keep in a cool place. Keep container tightly closed.

SECTION 8: Exposure controls/personal protection ***

8.1. Control parameters

Exposure limit values ***

Pentyl acetate

List	SUVA			
Type	MAK			
Value	260	mg/m ³	50	ppm(V)
Short term exposure limit	260	mg/m ³	50	ppm(V)
Status: 2014				

Isopentyl acetate

List	SUVA			
Type	MAK			
Value	260	mg/m ³	50	ppm(V)
Short term exposure limit	260	mg/m ³	50	ppm(V)
Status: 2014				

2-Methylbutylacetat

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List	SUVA			
Type	MAK			
Value	260	mg/m ³	50	ppm(V)
Short term exposure limit	260	mg/m ³	50	ppm(V)
Status:	2014			

8.2. Exposure controls

General protective and hygiene measures

Keep away from food-stuffs, beverages and feed-stocks. Wash hands before breaks and after work. Avoid contact with skin and eyes. Do not inhale gases/vapours/aerosols. At work do not eat, drink, smoke or take drugs. Preventative skin protection.

Respiratory protection

Breathing apparatus in the event of aerosol or mist formation.

Hand protection

Gloves (solvent-resistant)			
Appropriate Material	Natural Latex		
Breakthrough time	>= 8	h	
Gloves (solvent-resistant)			
Appropriate Material	Polychloroprene		
Breakthrough time	>= 8	h	
Gloves (solvent-resistant)			
Appropriate Material	nitrile rubber - NBR		
Breakthrough time	>= 8	h	
Gloves (solvent-resistant)			
Appropriate Material	butyl		
Breakthrough time	>= 8	h	
Gloves (solvent-resistant)			
Appropriate Material	Fluoro carbon rubber - FKM		
Breakthrough time	>= 8	h	
Gloves (solvent-resistant)			
Appropriate Material	PVC		
Breakthrough time	>= 8	h	

Eye protection

Tightly fitting safety glasses

Body protection

Solvent-resistant protective clothing

SECTION 9: Physical and chemical properties

9.1. Information on basic physical and chemical properties

Form	liquid	
Colour	colourless	
Odour	characteristic	
Melting point		
Value	-70.8	°C
Method	DIN 51761	
Initial boiling point and boiling range		
Value	149.25	°C
Method	DIN 51761	
Flash point		
Value	40	°C
Vapour pressure		

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Value	5.3		hPa
Method	DIN 51754		

Density

Value	0.87		g/cm ³
Temperature	20	°C	

Solubility in water

Value	1.8		g/l
Temperature	20	°C	

Ignition temperature

Value	375		°C
Method	DIN 51794		

9.2. Other information**Other information**

Forms explosive mixture with air are possible.

SECTION 10: Stability and reactivity**10.4. Conditions to avoid**

Heat. Flames. Sparks

10.5. Incompatible materials

Alkaline metals, Oxidising agents

10.6. Hazardous decomposition products

Irritant gases/vapours, Flammable gases/vapours

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

Species	rat		
LD50	6500		mg/kg

Acute inhalative toxicity (Components)**Pentyl acetate**

Species	rat		
LC50	> 16.2		mg/l

Skin corrosion/irritation

Remarks	Irritates the mucous membrane.
Remarks	Repeated and prolonged skin contact may lead to defatting and irritation of the skin.

Serious eye damage/irritation

Remarks	slightly irritating (Eye)
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Sensitization

Remarks	No sensitisation effect known.
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Subacute, subchronic, chronic toxicity

Remarks	Repeated absorption may cause disorder of liver.
Remarks	Change of blood count possible.
Remarks	Chronic exposure causes damage of respiratory organs.

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Experience in practice

Can be absorbed through skin.

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

Species	golden orfe (<i>Leuciscus idus</i>)			
LC50	10	to	100	mg/l
Duration of exposure	96	h		

Daphnia toxicity (Components)**Pentyl acetate**

Species	Daphnia magna			
EC50	10	to	100	mg/l
Duration of exposure	48	h		

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

Value	90	to	100	
Source	Richtlinie 67/548/EWG, Anhang VI, C.4.D.			

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.

SECTION 14: Transport information *****Land transport ADR/RID *******14.1. UN number**

UN 1104

14.2. UN proper shipping name

AMYL ACETATES (Pentyl acetate)

14.3. Transport hazard class(es)

Class	3
Label	3

14.4. Packing group

Packing group	III
Limited Quantity	5 I
Transport category	3
Tunnel restriction code	D/E

Marine transport IMDG/GGVSee *****14.1. UN number**

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UN 1104

14.2. UN proper shipping name

AMYL ACETATES (Pentyl acetate)

14.3. Transport hazard class(es)

Class 3

14.4. Packing group

Packing group III

Air transport ICAO/IATA *****14.1. UN number**

UN 1104

14.2. UN proper shipping name

AMYL ACETATES (Pentyl acetate)

14.3. Transport hazard class(es)

Class 3

14.4. Packing group

Packing group III

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 Classification according to Annex 4 VwVwS

SECTION 16: Other information**R-phrases listed in Chapter 3**

10 Flammable.

66 Repeated exposure may cause skin dryness or cracking.

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.