

Trade name: Methylis acetas

Date revised: 05.06.08

Dangerous substance number:

Version: 1 / CH

Date of printing: 05.06.08

01. Identification of the substance/preparation and of the company/undertaking

Trade name

Methylis acetas

Item-No. 07580000

Use of the substance/preparation

Chemical for synthesis

Company/undertaking identification

Address

Hänseler AG

Industriestrasse 35

9101 Herisau

Telephone no. 0041 (0)71 353 58 58

Emergency 0041 (0)44 251 51 51

telephone

02. Hazards identification

Hazard symbols

F Highly flammable

Xi Irritant

R phrases

11 Highly flammable.

36 Irritating to eyes.

66 Repeated exposure may cause skin dryness or cracking.

67 Vapours may cause drowsiness and dizziness.

03. Composition / information on ingredients

CAS-Nr. 79-20-9

EINECS-Nr. 201-185-2

Molecular weight

Value 74.08 g/mol

04. First aid measures

After inhalation

Ensure supply of fresh air.

After skin contact

In case of contact with skin wash off 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.).. Begin with medical treatment.

After ingestion

Let plenty of water be drunk in small gulps.. Take medical treatment.

05. Fire-fighting measures

Suitable extinguishing media

Dry powder, Foam

Special exposure hazards arising from the substance or preparation itself, its combustion



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products or from resulting gases

The product is combustible.; Vapours heavier than air.; Forms explosive mixture with air are possible.; In case of combustion evolution of dangerous gases possible.

Special protective equipment for fire-fighting

Use self-contained breathing apparatus.; Wear protective clothing.

Other information

Suppress vapours with water spray jet.

06. Accidental release measures**Personal precautions**

Do not inhale vapours.. Avoid contact with skin, eyes and clothing.. Ensure supply of fresh air.

Environmental precautions

Do not allow to enter drains.. Explosive

Methods for cleaning up

Pick up with absorbent material.. Dispose of absorbed material in accordance with the regulations.. Clean up affected area.

07. Handling and storage**Handling****Advice on safe handling**

Work only in fume cupboards.. Do not inhale substance.. Avoid development of dusts/ billows/ steams.

Advice on protection against fire and explosion

Keep away from sources of ignition.. Take precautionary measures against static charges.

Storage**Requirements for storage rooms and vessels**

Keep container tightly closed in a well-ventilated place.. Store away from sources of ignition and heat.

08. Expose controls/personal protection**General protective and hygiene measures**

Remove contaminated, soaked clothing immediately and dispose of safely. Preventative skin protection. Wash hands and face after work. Work only in fume cupboards. Do not inhale dust/fumes/mist.

Occupational exposure controls**Respiratory protection**

Breathing apparatus in the event of aerosol or mist formation.; Full mask, filter A

Hand protection

Appropriate Material	Butyl rubber		
Material thickness	0,7	mm	
Penetrating time	> 240	min	

Eye protection

Safety glasses

09. Physical and chemical properties**General information**

Form	liquid
Colour	colourless
Odour	fruity



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Important health, safety and environmental information**Flash point**

Value	-13	°C
Source	DIN 51755	

Boiling point

Value	56	to	58	°C
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Melting point

Value	-98	°C
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Ignition temperature

Value	455	°C
method	DIN 51794	

Explosion limits

Lower explosion limit	3.1	%(V)
Upper explosion limit	16	%(V)

Vapour pressure

Value	217	hPa
temperature	20	°C

Density

Value	0.93	g/m ³
temperature	20	°C

Viscosity**dynamic**

Value	0.381	mPa.s
temperature	20	°C

Solubility in water

Value	250	g/l
temperature	20	°C

pH

Remarks	neutral
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log Pow

log Pow	0.18
method	experimental

10. Stability and reactivity**Conditions to avoid**

Protect from heat/overheating.

Materials to avoid

Reactions with strong oxidising agents., Formation of explosive gas/air mixtures.

Hazardous decomposition products

No data available.

11. Toxicological information**Acute toxicity / further data****Acute oral toxicity**

Species	rat	
LD50	>	5000 mg/kg

Acute dermal toxicity



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Species	rat		
LD50	>	2000	mg/kg

Acute inhalational toxicity

Species	rat		
LC50	>	16000	ppm(V)
Duration of exposure		4	h

Irritant/corrosive effects**Irritant effect on eyes**

valuation	irritant
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Effects after repeated or prolonged exposition (subacute, subchronic, cronic)**Experience in practice**

Has a degreasing effect on the skin.. Can be absorbed through skin.. Inhalation of the vapours causes irritation of the respiratory tract and mucous membrane, headaches, nausea, giddiners, vomiting.. Inhalation causes narcotic effect/intoxication.

12. Ecological information**Fish toxicity**

Species	zebra fish (Brachydanio rerio)		
LC50	250	to	350
Duration of exposure	96	h	

Daphnia toxicity

Species	Daphnia magna		
EC50	1027		mg/l
Duration of exposure	48	h	

Algae toxicity

IC50	>	120	mg/l
Duration of exposure		72	h

Bacteria toxicity

Species	Photobacterium phosphoreum		
EC50	6100		mg/l
Duration of exposure	30	min	
method	Microtox-Test		

Biodegradability

valuation	readily degradable
Remarks	Grade of elimination: > 70%

Evaluation of persistence and bioaccumulation potential

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

Chemical oxygen demand (COD)

Value	1.51	g O2/g
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Behaviour in sewers [waste treatment plants]

When low concentrations are discharged correctly into adapted biological sewage treatment plants, disturbance of the degradation activity of activated sludge is not likely.

General information / ecology

Do not allow to enter soil, waterways or waste water canal.

13. Disposal considerations**Disposal recommendations for the product**

Disposal in compliance with local and national regulations.

Disposal recommendations for packaging

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Dispose of as unused product.

14. Transport information**Land transport ADR/RID**

UN number	1231
Class	3
Packing group	II
Label	3
Technical name	METHYL ACETATE

Marine transport IMDG/GGVSee

UN number	1231
Class	3
Packing group	II
Technical name	METHYL ACETATE

Air transport ICAO/IATA

UN number	1231
Class	3
Packing group	II
Technical name	METHYL ACETATE

15. Regulatory information**Hazard symbols**

F	Highly flammable
Xi	Irritant

Hazardous component(s) to be indicated on label

contains	Methyl acetate
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R phrases

11	Highly flammable.
36	Irritating to eyes.
66	Repeated exposure may cause skin dryness or cracking.
67	Vapours may cause drowsiness and dizziness.

S phrases

16	Keep away from sources of ignition - No smoking.
26	In case of contact with eyes, rinse immediately with plenty of water and seek medical advice.
29	Do not empty into drains.
33	Take precautionary measures against static discharges.

Water Hazard Class (Ger.)

Water Hazard Class (Ger.)	WGK 1
Classification according to VwVwS	

National regulations

SFOPH T no.	2418
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16. Other information

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.