



Trade name: Methyl salicylate

Print Date: 6. January 2021

Version: 2.3, revision date: 02.01.2021

Replaced version: 2.2 created on: 21.06.2019

Region: EN

SECTION 1: Identification of the substance/mixture and of the company/undertaking**1.1. Product identifier**

Product form : Substance
Name : methyl salicylate
Substance type : Mono-constituent
EC-No. : 204-317-7
CAS-No. : 119-36-8
REACH registration No. (SDS) : 01-2119515671-44-0000
Formula : C₈H₈O₃

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

Intermediate
Formulation [mixing] of preparations and/or re-packaging (excluding alloys)
Pharmaceuticals
Cosmetics, personal care products
Perfumes, Fragrances
Washing and cleaning products (including solvent based products)
Fuels

Uses advised against

No available.

1.3. Details of the supplier of the safety data sheet**Company**

SysKem Chemie GmbH
Brucknerweg 26
D-42289 Wuppertal

Telephone : +49 (0) 202/30999510
Telefax : +49 (0) 202/87088403
E-mail address : info@syskem.de

Prepared by / E-mail address of person responsible for the SDS

info@syskem.de

1.4. Emergency telephone number

Vergiftungs-Informations-Zentrale Freiburg, Tel. +49 761 19240.

SECTION 2: Hazards identification**2.1. Classification of the substance or mixture****Classification (REGULATION (EC) No 1272/2008)**

Acute toxicity (oral), Category 4

H302

Hazardous to the aquatic environment — Acute Hazard, Category 3

H402

Full text of H statements : see section 16

Adverse physicochemical, human health and environmental effects

Harmful if swallowed, Harmful to aquatic life

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2.2. Label elements

Hazard pictograms (CLP)



Signal word (CLP)

Warning

Hazard statements (CLP)

H302 - Harmful if swallowed

H402 - Harmful to aquatic life

Precautionary statements (CLP)

P264 - Wash hands, forearms and face thoroughly after handling

P270 - Do not eat, drink or smoke when using this product

P273 - Avoid release to the environment

P301+P312 - IF SWALLOWED: Call a POISON CENTER, a doctor if you feel unwell

P330 - Rinse mouth

P501 - Dispose of contents and container to an approved waste disposal plant

2.3. Other hazards

May cause eye irritation, May cause skin irritation, Combustible liquid

SECTION 3: Composition/information on ingredients

3.1. Substances

Substance type : Mono-constituent

Substance identification codes : See section 1.1

Name	Product identifier	%	Classification according to the United Nations GHS
methyl salicylate	(CAS-No.) 119-36-8	>= 99	Acute Tox. 4 (Oral), H302 Aquatic Acute 3, H402

Full text of H-statements: see section 16

3.2 Mixture

Not applicable.

SECTION 4: First aid measures

4.1. Description of first aid measures

General advice:

Do not attempt to take action without suitable protective equipment.

If inhaled:

Remove person to fresh air and keep comfortable for breathing.

In case of skin contact:

Immediately remove contaminated clothing or footwear. Wash off with soap and plenty of water. If irritation persists, consult a doctor.

In case of eye contact:

Rinse immediately and thoroughly, pulling the eyelids well away from the eye (15 minutes minimum). Consult an ophthalmologist if irritation persists.



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If swallowed:

Do not induce vomiting. Give nothing to drink. Get immediate medical advice and attention.

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

Symptoms/injuries after ingestion

Ingestion may cause nausea and vomiting. Risk of lung oedema.

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

Treat symptomatically.

SECTION 5: Firefighting measures

5.1. Extinguishing media

Suitable extinguishing media:

Water spray. Foam. Carbon dioxide (CO₂). Dry powder.

Unsuitable extinguishing media

High volume water jet.

5.2. Special hazards arising from the substance or mixture

Fire hazard

Combustible liquid.

Reactivity

To our knowledge, the product does not present any particular risk, under normal conditions of use.

5.3. Advice for firefighters

Firefighting instructions

Cool down the containers exposed to heat with a water spray.

Protection during firefighting

Do not attempt to take action without suitable protective equipment. Self-contained breathing apparatus. Complete protective clothing.

SECTION 6: Accidental release measures

6.1. Personal precautions, protective equipment and emergency procedures

General measures

No flames, no sparks. Eliminate all sources of ignition.

For non-emergency personnel

Emergency procedures

Avoid contact with skin and eyes. Do not breathe vapours. Mark out the contaminated area with signs and prevent access to unauthorized personnel. Only qualified personnel equipped with suitable protective equipment may intervene.

For emergency responders

Protective equipment

Concerning personal protective equipment to use, see section 8.

6.2. Environmental precautions

Do not allow uncontrolled discharge of product into the environment.



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6.3. Methods and material for containment and cleaning up

For containment

Shovel into suitable and closed container for disposal. Absorb residues with: Sawdust. inert absorbent material.

Methods for cleaning up

Wash off with plenty of water.

SECTION 7: Handling and storage

7.1. Precautions for safe handling

Precautions for safe handling

Vapour extraction at source. Earth the equipment.

Hygiene measures

Always wash hands after handling the product. Do not eat, drink or smoke during use.

7.2. Conditions for safe storage, including any incompatibilities

Technical measures

The floor of the depot should be impermeable and designed to form a water-tight basin.

Storage conditions

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

Incompatible materials

Strong oxidizers.

Packaging materials

Recommended materials : Stainless steel. Polyethylene. glass.
Packing material to avoid : Iron. Steel.

7.3. Specific end use(s)

Not applicable.

SECTION 8: Exposure controls/personal protection

8.1 Control parameters

No additional information available.

8.2. Appropriate engineering controls

Appropriate engineering controls

Provide adequate ventilation.

Environmental exposure controls

Do not allow uncontrolled discharge of product into the environment.

Individual protection measures, such as personal protective equipment (PPE)

Hand protection

Protective gloves made of rubber

Eye protection

Safety spectacles with side shields. If there is a risk of liquid being splashed : Wear suitable face shield

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Skin and body protection

Protective clothing

Respiratory protection

In case of insufficient ventilation, wear suitable respiratory equipment. Breathing apparatus with filter

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

Physical state	: Liquid
Appearance	: Oily.
Molecular mass	: 152.15 g/mol
Colour	: colourless to slightly yellow.
Odour	: characteristic.
Odour threshold	: 0.1 ppm
pH	: No data available
pH solution	: No data available
Relative evaporation rate (butylacetate=1)	: No data available
Relative evaporation rate (ether=1)	: No data available
Melting point	: -8.6 °C
Freezing point	: No data available
Boiling point	: ≈ 221 °C
Flash point	: 95.5 °C (closed cup)
Auto-ignition temperature	: 454 °C
Decomposition temperature	: No data available
Flammability (solid, gas)	: Not applicable
Vapour pressure	: 0.13 hPa (20 °C)
Vapour pressure at 50 °C	: No data available
Relative vapour density at 20 °C	: 5.3
Relative density	: 1.18 - 1.185 (25 °C)
Relative density of saturated gas/air mixture	: No data available
Density	: No data available
Relative gas density	: No data available
Solubility : Soluble in	: Ethanol. Acetone. Chloroform. Ether.
Water	: 625 mg/l (30 °C)
Log Pow	: 2.5
Log Kow	: No data available
Viscosity, kinematic	: No data available
Viscosity, dynamic	: 1.535 mPa.s (25 °C)
Viscosity, kinematic (calculated value) (40 °C)	: No data available
Explosive properties	: Not explosive.
Oxidising properties	: Non oxidizing.
Explosive limits	: No data available
Lower explosive limit (LEL)	: No data available
Upper explosive limit (UEL)	: No data available

9.2. Other information

No additional information available

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

To our knowledge, the product does not present any particular risk, under normal conditions of use.

10.2. Chemical stability

Stable at room temperature.

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10.3. Possibility of hazardous reactions

No dangerous reactions known under normal conditions of use.

10.4. Conditions to avoid

None to our knowledge.

10.5. Incompatible materials

Strong oxidizers

10.6. Hazardous decomposition products

This product reacts slowly with water liberating : Methanol.

SECTION 11: Toxicological information**11.1. Information on toxicological effects**

Acute toxicity (oral) : Harmful if swallowed.

Acute toxicity (dermal) : Not classified (Based on available data, the classification criteria are not met)

Acute toxicity (inhalation) : Not classified (Based on available data, the classification criteria are not met)

methyl salicylate (119-36-8)

LD50 oral rat

887 mg/kg

LD50 dermal rabbit

> 5000 mg/kg

LC50 inhalation rat

> 0.7 mg/l (Saturation concentration) (vapours - 7 h)

Skin corrosion/irritation

Not classified (Based on available data, the classification criteria are not met)

Serious eye damage/eye irritation

Not classified (Based on available data, the classification criteria are not met)

Respiratory or skin sensitisation

Not classified (Based on available data, the classification criteria are not met)

Mutagenicity

Not classified (Based on available data, the classification criteria are not met)

Genotoxicity in vivo

Not classified (Based on available data, the classification criteria are not met)

Carcinogenicity

Not classified (Based on available data, the classification criteria are not met)

Reproductive toxicity

Not classified (Based on available data, the classification criteria are not met)

STOT - single exposure

Not classified (Based on available data, the classification criteria are not met)

STOT - repeated exposure

Not classified (Based on available data, the classification criteria are not met)

methyl salicylate (119-36-8)

NOEL, Inhalation, vapours, rat

0,7 mg/kg (28 days)

Aspiration toxicity

Not classified (Based on available data, the classification criteria are not met)



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SECTION 12: Ecological information

12.1 Toxicity

Ecology - general

Harmful to aquatic life.

methyl salicylate (119-36-8)

LC50 fish	19.8 mg/l/96h (Pimephales promelas) (Results obtained on a similar product)
EC50 Daphnia	28 mg/l/48h (Daphnia magna) (Results obtained on a similar product)
ErC50 (algae)	27 mg/l/72h (Desmodesmus subspicatus)
NOEC chronic algae	6.25 mg/l/72h (Desmodesmus subspicatus)
Log Pow	2.5
Log Koc	2.346

12.2 Persistence and degradability

methyl salicylate (119-36-8)

Persistence and degradability

Readily biodegradable.
Dissolved organic carbon (DOC): 98,4 % biodegradation (28 days).

12.3 Bioaccumulative potential

methyl salicylate (119-36-8)

Log Pow See section 12.1 on ecotoxicology
Log Koc See section 12.1 on ecotoxicology
Bioaccumulative potential Not potentially bioaccumulable.

12.4 Mobility in soil

methyl salicylate (119-36-8)

Mobility in soil No additional information available
Log Pow See section 12.1 on ecotoxicology
Log Koc See section 12.1 on ecotoxicology
Ecology - soil Ultimate destination of the product : water.

12.5 Results of PBT and vPvB assessment

This substance is not considered to be persistent, bioaccumulating and toxic (PBT).
This substance is not considered to be very persistent and very bioaccumulating (vPvB).

12.6 Other adverse effects

Ozone Not classified
Other adverse effects No additional information available

SECTION 13: Disposal considerations

13.1 Waste treatment methods

Dispose of in accordance with relevant local regulations. Do not dispose of with domestic waste.

Ecology - waste materials

Avoid release to the environment.

Additional information

Reuse or recycle following decontamination.



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SECTION 14: Transport information**14.1 UN number**

Not regulated as a dangerous good

14.2 UN proper shipping name

Not regulated as a dangerous good

14.3 Transport hazard class(es)

Not regulated as a dangerous good

14.4 Packing group

Not regulated as a dangerous good

14.5 Environmental hazards

Not regulated as a dangerous good

14.6 Special precautions for user

Not applicable

14.7 Transport in bulk according to Annex II of MARPOL 73/78 and the IBC Code

Not applicable for product as supplied.

SECTION 15: Regulatory information**15.1. Safety, health and environmental regulations/legislation specific for the substance or mixture****Regional legislation**

Listed on the AICS (Australian Inventory of Chemical Substances). Listed on the United States TSCA (Toxic Substances Control Act) inventory. Not subject to reporting requirements of the United States SARA Section 313. Listed on the EEC inventory EINECS (European Inventory of Existing Commercial Chemical Substances).

15.2. Chemical Safety Assessment

Chemical Safety Assessment has not been carried out

SECTION 16: Other information**Further information**

The information provided in this Safety Data Sheet is correct to the best of our knowledge, information and belief at the date of its publication. Such information is only given as a guidance to help the user handle, use, process, store, transport, dispose and release the product in satisfactory safety conditions and is not to be considered as a warranty or quality specification. It should be used in conjunction with technical sheets but do not replace them. Thus, the information only relates to the designated specific product and may not be applicable if such product is used in combination with other materials or in any other manufacturing process, unless otherwise specifically indicated. It does not release the user from ensuring he is in conformity with all regulations linked to its activity.

Full text of H-Statements referred to under sections 2 and 3.

H302 Harmful if swallowed

H402 Harmful to aquatic life