

HEALTH	1
FLAMMABILITY	1
REACTIVITY	0

Section 1: PRODUCT AND COMPANY IDENTIFICATION

1.1 Product identifiers

Product Name	Methyl Salicylate, Nat
Product Number	0274500
CAS-No.	119-36-8

1.2 Product Recommended Use

Flavorings

1.3 Preparation Information

Company	Aurochemicals 7 Nicoll Street Washingtonville, NY 10992
Telephone	845-496-6065
Fax	845-496-6248

1.4 Emergency Telephone Number

1-800-535-5053
International - 1-352-323-3500 collect

Section 2: HAZARD(s) IDENTIFICATION

2.1 Classification of substance or mixture

GHS Classification in accordance with 29 CFR 1910 (OSHA HCS):

Acute toxicity, Oral (Category 4), H302
Causes serious eye irritation (Category 2A) H319
Specific target organ toxicity—Single exposure-Respiratory (Category 3) H335
Acute aquatic toxicity (Category 3), H402

2.2 GHS Label Elements, Including precautionary statements

Pictogram



Signal Statement

Warning

Hazard Statement(s)

H302	Harmful if swallowed
H319	Causes serious eye irritation
H335	May cause respiratory irritation
H402	Harmful to aquatic life
P264	Wash skin 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 or doctor/physician if you feel unwell.
P330	Rinse mouth
P501	Dispose of contents/container to an approved waste disposal plant

Precautionary Statement(s)

2.3 HNOC (Hazards not otherwise classified or not covered by GHS) -None

Section 3: COMPOSITION / INFORMATION ON INGREDIENTS

3.1 Substances

Synonyms	2-Hydroxybenzoic acid methyl ester Oil of wintergreen Wintergreen oil Methyl 2-hydroxybenzoate
Formula	C ₈ H ₈ O ₃
Molecular Weight	152.15 g/mol
CAS-No	119-36-8
EC-No.	204-317-7

Hazardous components

Component	Classification	Concentration
Methyl salicylate	Acute toxicity, Oral (4), H302 Causes serious eye irritation (2A) H319 Specific target organ toxicity–Single exposure-Respiratory (3) H335 Acute aquatic toxicity (3), H402	90-100%

Section 4: FIRST AID MEASURES

4.1 Description of first aid measures

General advice	Move out of dangerous area. Consult a physician. Show this safety data sheets to the doctor in attendance.
Inhalation	Provide fresh air; keep at rest and at a comfortable position to breathe. Consult a physician.
Contact with skin:	Remove contaminated clothing. Rinse skin with cool water then wash with mild soap and warm water. Consult a physician.
Contact with eyes:	Rinse thoroughly with plenty of water for at least 15 as a precaution.
Ingestion	DO NOT induce vomiting. Never give anything by mouth to an unconscious person. Rinse mouth with water. Consult a physician.
Clothing contamination:	Remove contaminated clothing and wash before reuse.

4.2 Most important symptoms and effects both acute and delayed

See section 2.2 and or section 11

4.3 Indication of any immediate medical attention and special treatment needed

No data available

Section 5: FIREFIGHTING MEASURES

5.1 Extinguishing Media

Suitable Extinguishing Media Use water spray, alcohol-resistant foam, dry chemical or carbon dioxide

5.2 Special hazards arising from the substance or mixture

Carbon oxides

5.3 Advice for fire fighters

Wear self contained breathing apparatus for firefighting if necessary.

5.4 Further information

No data available

Section 6: ACCIDENTAL RELEASE MEASURES

6.1 Personal precautions, protective equipment and emergency procedures

Use personal protective equipment. Avoid breathing vapors, mist or gas. Ensure adequate ventilation.

Safety Data Sheet



- | | | |
|-----|---|--|
| 6.2 | Environment precautions | Prevent further leakage or spillage if safe to do so. Do not allow to enter drains or sewage system. Discharge into the environment must be avoided. |
| 6.3 | Methods and materials for containment and clean up | Contain spillage. Soak up with absorbent material. Sweep up with broom and shovel. Place in a suitable, closed container for disposal. |
| 6.4 | Specific end use(s) | Apart from the uses mentioned in section 1.2, no other specific uses are stipulated. |

Section 7: HANDLING AND STORAGE

- | | | |
|-----|--------------------------------------|--|
| 7.1 | Precautions for safe handling | Avoid contact with skin and eyes. Avoid inhalation of vapor or mist. |
| 7.2 | Conditions for Safe storage | Keep container tightly closed in a dry and well-ventilated place. |
| 7.3 | Specific End use(s) | Flavorings |

Section 8: EXPOSURE CONTROLS/PERSONAL PROTECTION

8.1 Control parameters

Components with workplace control parameters: Contains no substances with occupational exposure limits

Appropriate Engineering Controls Handle in accordance with good industrial hygiene and safety practices. Wash hands before breaks and at the end of the day.

Personal protective equipment

These recommendations are advisory only and must be evaluated by an industrial hygienist and safety officer familiar with the specific situation of anticipated use by our customers. They should not be construed as offering an approval for any specific use scenario.

- | | |
|-----------------------------------|--|
| Eye/face protection | Wear appropriate safety glasses with side shields conforming to EN 166. Use equipment for eye protection tested and approved under appropriate government standards such as NIOSH (US) or EN 166 (EU). |
| Skin protection | Wear chemically resistant, Nitrile rubber gloves when handling this product. Use proper glove removal techniques (without touching gloves outer surface) to avoid skin contact with this product. Dispose of contaminated gloves after use. Wash and dry hands. |
| Body protection | Impervious clothing protecting against chemicals, should be selected specifically for the work place, depending on concentration and quantity of the hazardous substances handled. The resistance of the protective clothing to chemicals should be ascertained with the respective supplier. |
| Respiratory protection | Where risk assessment shows air purifying respirators are appropriate, use a full face respirator with multi-purpose combination (US) or type ABEK (EN 14387) respirator cartridges as a backup to engineering controls. If the respirator is the sole means of protection, use a full face supplied air respirator. Use respirators and components tested and approved under appropriate government standards such as NIOSH (US) or CEN (EU). |
| Control of environmental exposure | Prevent further leakage or spillage if safe to do so. Do not let product enter drains, and release into the environment must be avoided. |

Section 9: PHYSICAL AND CHEMICAL PROPERTIES

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|-----|--|
| 9.1 | Information on basic physical and chemical properties |
| a | Appearance Liquid, Clear |

b	Odor	Yellowish
c	Odor Threshold	Minty, Spicy, Sweet, Wintergreen-like odor
d	pH	No data available
e	Melting Point /Freezing Point	No data available
f	Boiling Point	-8 - -7°C
g	Flash Point	222°C
h	Evaporation Rate	96°C closed cup
i	Flammability (Solid, Gas)	No data available
j	Upper/lower Flammability Limit	No data available
k	Vapor pressure	1 hPa at 54°C
l	Vapor density	5.25 - (Air=1.0)
m	Relative density at 25°C	1.176-1.185
n	Solubility	Slightly soluble in water, Soluble in organic solvents, oils; Miscible in ethanol at room temp.
o	Partition coefficient: n-octanol/water	log Pow: 2.55
p	Auto-ignition Temp.	No data available
q	Decomposition Temp,	No data available
r	Viscosity	No data available
s	Explosive properties	No data available
t	Oxidizing properties	No data available

9.2 Other Safety Information No data available

Section 10: STABILITY AND REACTIVITY

10.1	Reactivity	No data available
10.2	Chemical Stability	Stable under recommended storage conditions
10.3	Possibility of Hazardous reactions	No data available
10.4	Conditions to avoid	Heat, Light
10.5	Incompatible materials	Strong Oxidizing Agents, Strong Bases
10.6	Hazardous decomposition products	No data available
10.7	Further Information	No data available

Section 11: TOXICOLOGICAL INFORMATION

11.1 Information on toxicological effects

Acute Toxicity

LD50-Oral-Rat (M/F)	887 mg/kg (OECD Test Guideline 401)
LC50-Inhalation	No data available
LD50-Dermal- Rabbit	>5,000 mg/kg
Skin corrosion/irritation	Rabbit: Mild skin irritation 4 h (OECD Test Guideline 404)
Serious eye damage/eye irritation	Rabbit: No eye irritation – 72 h (OECD Test Guideline 405)
Respiratory or skin sensitization	Guinea Pig: Maximisation Test – Does not cause skin sensitisation (OECD Test Guideline 406)
Germ Cell mutagenicity	Ames test – S. typhimurium Results: Negative

Carcinogenicity

IARC

No component of this product, present levels greater than or equal to 0.1% is identified

as probable, possible or confirmed human carcinogen by IARC.

ACGIH	No component of this product, present at levels greater than or equal to 0.1% is identified as a carcinogen or potential carcinogen by ACGIH.
NTP	No component of this product, present at levels greater than or equal to 0.1% is identified as a known or anticipated carcinogen by NTP.
OSHA	No component of this product, present at levels greater than or equal to 0.1% is identified as a carcinogen or potential carcinogen by OSHA.

Reproductive toxicity

Laboratory experiments have shown Teratogenicity effects

Specific target organ toxicity-single exposure (GHS)

No data available

Specific target organ toxicity-repeated exposures (GHS)

No data available

Aspiration Hazards

No data available

Additional Information

Repeated dose toxicity-rat-male & female – Oral
No observed adverse effect level - 50 mg/kg

Signs and Symptoms of Exposure

Mild chronic salicylate intoxication is termed salicylism. Symptoms include: Headache, dizziness, ringing in the ears, difficulty in hearing, dimness of vision, mental confusion, lassitude, drowsiness, sweating, thirst, hyperventilation, nausea, vomiting, and occasionally diarrhea.

A more severe degree of salicylate intoxication is characterized by ore pronounced CNS (Central Nervous System) disturbances (including generalized convulsions and coma), skin eruptions and marked alterations in acid-base balance. Stomach irregularities – Based on Human Evidence.

RTECS:

VO4725000

Section 12: ECOLOGICAL INFORMATION

12.1 Toxicity

To fish:

LC50-Static Test – Danio rerio (zebra fish) - > 100 mg/l 96h
(OECD Test Guideline 203)

To algae:

EC50-Static Test - Desmodesmus subspicatus (green algae) 27 mg/l 72h
(OECD Test Guideline 201)

12.2 Persistence and degradability

Biodegradability: Aerobic – Exposure time 28 d
Result: 98.4% Readily biodegradable
(OECD Test Guideline 301B)

12.3 Bioaccumulative potential

No data available

12.4 Mobility in soil

No data available

12.5 Results of PBT and vPvB assessment

PBT/vPvB assessment not available as chemical safety assessment not required / not conducted

12.6 Other adverse effects

An environmental hazard cannot be excluded in the event of unprofessional handling or disposal. **Harmful to aquatic life**

Section 13: DISPOSAL CONSIDERATIONS

13.1 Disposal methods

Safety Data Sheet

Product: According to local regulations
Packaging: According to local regulations

Section 14: TRANSPORT INFORMATION

DOT (US) Not dangerous goods
IMDG Not dangerous goods
IATA Not dangerous goods

Section 15: REGULATORY INFORMATION

SARA 302 Components No chemicals in this material are subject to the reporting requirements of SARA Title III, Section 302

SARA 313 Components This material does not contain any chemical components with known CAS numbers that exceed the threshold (De Minimis) reporting levels established by SARA Title III, Section 313.

SARA 311/312 Hazards Acute health hazard, Chronic Health Hazard

Massachusetts Right to Know components No components are subject to the Massachusetts Right to Know Act

Pennsylvania Right to Know components Methyl Salicylate CAS# 119-36-8 Rev. Date: 8/11/1989

New Jersey Right to Know components Methyl Salicylate CAS# 119-36-8 Rev. Date: 8/11/1989

California Prop. 65 components This product does not contain any chemicals known to State of California to cause cancer, birth defects, or any other reproductive harm.

Section 16: OTHER INFORMATION

HMIS Rating

Health hazard 1
Chronic Health Hazard*
Flammability 1
Physical Hazard 0

Further Information

Aurochemicals provides the information contained herein in good faith but makes no representation as to its comprehensiveness or accuracy. This document is intended only as a guide to the appropriate precautionary handling of the material by a properly trained person using this product. Individuals receiving the information must exercise their independent judgment in determining its appropriateness for a particular purpose. Aurochemicals makes no representations or warranties, either expressed or implied, including without limitation any warranties of merchantability, fitness for a particular purpose with respect to the information set forth herein or the product to which the information refers. Accordingly, Aurochemicals will not be responsible, nor held liable, for damages resulting from use of or reliance upon this information.

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