

# Methyl Salicylate NF/FCC

## Safety Data Sheet

### Section 1 - Identification

#### 1.1 Product Description

Product name : Methyl Salicylate NF/FCC  
CAS No. : 119-36-8  
FEMA No. : 2745



**1.2 Other means of identification:** 2-Hydroxybenzoic acid methyl ester, Oil of wintergreen, Methyl 2-hydroxybenzoate

#### 1.3 Recommended uses & Recommended restrictions:

Recommended uses : For Laboratory/Professional user/Industrial user/Consumer uses only.  
Recommended restrictions : All uses not specified in this section.

#### 1.4 Details of the supplier of the safety data sheet

Supplier : Lab Alley LLC, 22111 : Highway 71 West, Suite 601  
Spicewood, Texas 78669, Tel: 512-668-9918

#### 1.5 Emergency telephone number

Emergency Phone # : Infotrac: 800-535-5051

### Section 2 – Hazards Identification

#### 2.1 GHS Classification according of the substance or mixture

##### GHS Classification in accordance with 29 CFR 1910 (OSHA)

Acute toxicity, Oral : Category 4, H 302

#### 2.2 Label elements

Signal word : Warning

Hazard Pictogram :



GHS 07

#### Hazard statements

H302 Harmful if swallowed.

#### Precautionary statements

P264 Wash thoroughly after handling.  
P270 Do not eat, drink or smoke when using this product.  
P301+P312 IF SWALLOWED: Call a POISON CENTER/doctor if you feel unwell.  
P330 Rinse mouth.  
P501 Dispose of contents/container in accordance with local/regional/national/international regulations.

### 2.3 Other hazards

Results of PBT and vPvB assessment

PBT: Not applicable.

vPvB: Not applicable.

#### Other Information

##### NFPA Rating

Health: 2


Flammability: 1

Instability Hazards: 0

## Section 3 – Composition/Information on Ingredients

### 3.1 Substances

|                  |   |
|------------------|---|
| Substance Name   | : Methyl Salicylate   |
| CAS No.          | : 119-36-8  |
| FEMA No.         | : 2745  |
| IUPAC Name       | : Methyl 2-hydroxybenzoate  |
| Synonyms         | : 2-Hydroxybenzoic acid methyl ester<br>Oil of wintergreen<br>Wintergreen oil |
| Formula          | : C <sub>8</sub> H <sub>8</sub> O <sub>3</sub>                                |
| Molecular Weight | : 152.15 g/mol  |

| Identification                        | Chemical Name/ Classification           | Concentration  |
|---------------------------------------|---|--|
| CAS No. : 119-36-8<br>FEMA No. : 2745 | Methyl Salicylate<br>29 CFR 1910 (OSHA) | Self classified<br>Acute Tox. 4: H302 – Warning<br> |
|                                       |   | ≤ 100%   |

To obtain more information on the hazards of the substance consult sections 8, 11, 12, 15 and 16  
 For the full text of the H-Statements mentioned in this Section, see Section 16.

### 3.2 Mixture: Not Applicable

## Section 4 – First Aid Measures

### 4.1 Description of first aid measures

#### General advice

: Consult a physician. Show this safety data sheet to the doctor in attendance.

|              |   |
|--------------|---|
| Inhalation   | : Move the affected person away from the contaminated area and into the fresh air. Place the affected person in a seated position and allow him/her to rest.                |
| Skin contact | : Remove all contaminated clothing and footwear.  |
| Eye contact  | : IMMEDIATELY rinse with plenty of water for a prolonged period, (at least 15 Minutes) whilst keeping the eyes wide open. If irritation persists, consult an eye specialist |
| Ingestion    | : Rinse mouth out with water. If the person is fully conscious, do not try to induce vomiting. Call a doctor who will decide whether a stomach wash-out is necessary.       |

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

|                     |  |
|---------------------|--|
| Symptoms and effect | : Coughing, Dizziness, Breathing difficulty, Gastric or intestinal trouble.                  |
| Danger              | : Danger of disturbed cardiac rhythm, Danger of impaired breathing and Danger of convulsion. |

Other most important known symptoms and effects are described in the labeling (see section 2.2) and/or in section 11

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

No data available

### Section 5 – Fire Fighting Measures

#### 5.1 Extinguishing media

##### Suitable extinguishing media

Water spray, Foam, Carbon dioxide (CO<sub>2</sub>), Dry powder.

##### Unsuitable extinguishing media

High volume water jet.

#### 5.2 Special hazards arising from the substance or mixture

Combustible liquid.

Liberates poisonous gas.

#### 5.3 Advice for firefighters

|                        |  |
|------------------------|--|
| Protective equipment   | : Full protective suit. Self-contained breathing apparatus   |
| Additional Information | : Use appropriate means for fighting adjacent fires.<br>Cool containers / tanks with water spray.<br>Evacuate personnel to safe areas. |

**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. Evacuate personnel to safe areas.

For personal protection see section 8.

**6.2 Environmental precautions**

Do not let product enter drains.

**6.3 Methods and materials for containment and cleaning up**

Absorb up with Saw-dust or inert absorbent material and dispose of as hazardous waste.

Keep in suitable, closed containers for disposal.

**6.4 Reference to other sections**

For disposal see section 13.

**Section 7 – Handling and Storage**

**7.1 Precautions for safe handling**

Avoid contact with skin and eyes. Avoid inhalation of vapor or mist. Normal measures for preventive fire protection. For precautions see section 2.2

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

**STORAGE**

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

STORAGE CONDITIONS

- Recommended : Away from any source of ignition.
- : In a cool, well-ventilated area.
- : The container tightly closed and dry.

INCOMPATIBLE PRODUCTS

: Strong oxidizing agents.

PACKAGING

- : Plastic drums.
- : Steel drums varnished with epikote.
- Bulk product: - General purpose stainless steel tankers.
- For small quantities: - Glass bottles.

PACKAGING MATERIALS

- Recommended : Stainless steel.
- : Polyethylene.
- : Coated steels.
- : Glass.
- Not suitable : Ordinary steel.
- : Iron.

**7.3 Specific end use(s)**

Except for the instructions already specified in section 1.3, it is not necessary to provide any special recommendation regarding the uses of this product.

**Section 8 – Exposure Controls/Personal Protection****8.1 Control parameters****Occupational Exposure Limits**

This substance has no PEL, TLV, or other recommended exposure limit.

**8.2 Exposure controls****Biological limit values**

No biological exposure limits noted for the ingredient(s).

**Appropriate Engineering Measures / Controls**

Use explosion-proof ventilation equipment to stay below exposure limits. Adequate ventilation should be provided so that exposure limits are not exceeded.

**Personal protective equipment**

Hand protection: Impermeable protective gloves.

Eye protection: Goggles.

Skin and body protection: Protective clothing.  
Safety foot-wear.

Collective emergency equipment: Safety shower.  
Eye fountain.

Hygiene measures: Do NOT drink, eat or smoke in the workplace.  
Separate normal clothes from work-clothes.

**Section 9 – Physical and Chemical Properties****9.1 Information on basic physical and chemical properties**

- |  |  |
|--|--|
| a. Appearance                              | Form: clear, liquid<br>Color: colorless to yellow. |
| b. Odor                                    | : Characteristic                                   |
| c. Odor Threshold                          | : No data available                                |
| d. pH                                      | : No data available                                |
| e. Melting point/freezing point            | : Melting point/range: -8 to -7 °C - lit.          |
| f. Initial boiling point and boiling range | : Approx 222 °C - lit.                             |

- g. Flash point : 96 °C - closed cup
- h. Auto-ignition temperature : 450°C (Spontaneous ignition temperature).
- i. Evaporation rate : No data available
- j. Flammability (solid, gas) : No data available
- k. Upper/lower flammability : No data available  
or explosive limits
- l. Vapor pressure : 1.33 hPa at 54 °C
- m. Vapor density : 5.3 (Air = 1.0)
- n. Relative density : 1.185 (d 20/4), (Water = 1.0)
- o. Water solubility : Very slightly soluble. (0.7 g/l at 30 °C.)
- p. Organic solvents solubility : Very soluble in Alcohol (ethanol), Acetone, chloroform, Ethers,  
Methanol.
- q. Partition coefficient: n- : 2.5 (log POW).  
octanol/ water
- r. Decomposition temperature : No data available
- s. Viscosity : No data available
- t. Explosive properties : No data available
- u. Oxidizing properties : No data available

## 9.2 Other safety information

Relative vapor density 5.25 - (Air = 1.0)

## 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 bases, Strong oxidizing agents

### 10.6 Hazardous decomposition products

Products: Reacts slowly on contact with water, releasing Methanol.  
On combustion or on thermal decomposition (pyrolysis)  
releases Toxic gases. (Carbon oxides (CO + CO<sub>2</sub>)).

**Section 11 – Toxicological Information**

**11.1 Information on toxicological effects**

**Acute toxicity**

LD50 Oral - rat - 887 mg/kg

Remarks: Behavioral: Somnolence (general depressed activity). LD50 Dermal - rabbit - > 5,000 mg/kg

**Skin corrosion/irritation**

Skin - rabbit

Result: Skin irritation - 24 h

**Serious eye damage/eye irritation**

No data available

**Respiratory or skin sensitization**

No data available

**Germ cell mutagenicity**

Ames test

: (With or without metabolic activation).  
Negative. (Published data).

**Carcinogenicity**

IARC

: No components of this product present at levels greater than or equal to 0.1% is identified as probable, possible or confirmed human carcinogen by IARC.

**Reproductive toxicity**

Laboratory experiments have shown teratogenic effects.

**Specific target organ toxicity - single exposure**

Inhalation - May cause respiratory irritation.

**Specific target organ toxicity - repeated exposure**

No data available

**Aspiration hazard**

No data available

**Additional Information**

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 more pronounced CNS disturbances (including generalized convulsions and coma), skin eruptions, and marked alterations in acid-base balance.

**Section 12 – Ecological Information****12.1 Ecotoxicity:**

Effects on the aquatic environment : EC 50 (Daphnia: Daphnia magna)/24 h: 50 mg/l.

**12.2 Persistence and degradability**

Biodegradability:

- Ultimate aerobic biodegradability : Readily biodegradable.

**12.3 Bioaccumulative potential**

Octanol/water partition coefficient : Refer to § 9 for actual figures.

Not potentially bioaccumulable.

**12.4 Mobility in soil**

Expected behavior of the product : Ultimate destination of the product: AIR.

Ultimate destination of the product : SOIL.

**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**

No data available

**Section 13 – Disposal Considerations****13.1 WASTE FROM RESIDUES:**

Prohibition: Discharging waste into rivers and drains is forbidden.

Destruction/Disposal: Incinerate at a licensed installation.

**CONTAMINATED PACKAGING:**

Prohibition: Do not dispose of the product at a rubbish tip.

Decontamination/cleaning: Carefully drain and then steam clean.

Dry using dry nitrogen.

Destruction/Disposal: Re-usable containers: Reuse or recycle following decontamination.

NOTE: The user's attention is drawn to the possible existence of local regulations Regarding disposal.

**Section 14 – Transport Information****14.1 UN number (ADN, DOT / ADR / RID, IATA / ICAO, IMDG)**

Not regulated as dangerous goods.



**14.2 UN proper shipping name (ADN, DOT / ADR / RID, IATA / ICAO, IMDG)**

Not regulated as dangerous goods.

**14.3 Transport hazard class (es) (ADN, DOT / ADR / RID, IATA / ICAO, IMDG)**

Not regulated as dangerous goods.

**14.4 Packaging group (ADN, DOT / ADR / RID, IATA / ICAO, IMDG)**

Not regulated as dangerous goods.

**14.5 Environmental hazards**

Marine pollutant: No

**14.6 Special precautions for user**

No data available

**Section 15 – Regulatory Information**

US federal regulations                      This product is a "Hazardous Chemical" as defined by the OSHA Hazard Communication Standard, 29 CFR 1910.1200

CERCLA Hazardous Substance List (40 CFR 302.4)

Not listed.

SARA 304 Emergency release notification

Not regulated.

US. OSHA Specifically Regulated Substances (29 CFR 1910.1001-1050)

Not available.

OSHA Specifically Regulated Substances (29 CFR 1910.1001-1052)

Not regulated.

TSCA Section 12(b) Export Notification (40 CFR 707, Subpt. D)

Not regulated.

Superfund Amendments and Reauthorization Act of 1986 (SARA)

SARA 302 Extremely hazardous substance

Not listed.

SARA 311/312 Hazardous chemical:                      Yes

Classified hazard categories:                              Acute toxicity (any route of exposure)

SARA 313 (TRI reporting)

Not regulated.

Other federal regulations

Clean Air Act (CAA) Section 112 Hazardous Air Pollutants (HAPs) List

Not regulated.

Clean Air Act (CAA) Section 112(r) Accidental Release Prevention (40 CFR 68.130)

Not regulated.

Safe Drinking Water Act (SDWA)

Not regulated.

US state regulations

California Proposition 65

California Proposition 65 - Carcinogens & Reproductive Toxicity (CRT): Listed substance

Not listed.

#### Notification status

|               |   |
|---------------|---|
| <b>AICS:</b>  | On the inventory, or in compliance with the inventory   |
| <b>DSL:</b>   | All components of this product are on the Canadian DSL. |
| <b>ENCS:</b>  | On the inventory, or in compliance with the inventory   |
| <b>IECSC:</b> | On the inventory, or in compliance with the inventory   |
| <b>ISHL:</b>  | On the inventory, or in compliance with the inventory   |
| <b>KECI:</b>  | On the inventory, or in compliance with the inventory   |
| <b>NZIoC:</b> | On the inventory, or in compliance with the inventory   |
| <b>PICCS:</b> | On the inventory, or in compliance with the inventory   |

### Section 16 – Additional Information

#### Texts of the legislative phrases mentioned in section 2:

H302: Harmful if swallowed

#### RISK PHRASES:

R 22 : Harmful if swallowed.  
R 36/38 : Irritating to eyes and skin.

#### SAFETY PHRASES:

S 24 : Avoid contact with eyes  
S36/39 : Wear suitable protective clothing and eye/face protection

#### Further information

This safety data sheet should be used in conjunction with technical sheets. It does not replace them. The information given is based on our knowledge of this product, at the time of publication. It is given in good faith. The attention of the user is drawn to the possible risks incurred by using the product for any other purpose other than that for which it was intended. This does not in any way excuse the user from knowing and applying all the regulations governing his activity. It is the sole responsibility of the user to take all precautions required in handling the product. The aim of the mandatory regulations mentioned is to help the user to fulfill his obligations regarding the use of hazardous products. This information is not exhaustive. This does not exonerate the user from ensuring that legal obligations, other than those mentioned, relating to the use and storage of the product, do not exist. This is solely his responsibility.

**End of document.**

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