



## MATERIAL SAFETY DATA SHEET

### 1. PRODUCT AND COMPANY IDENTIFICATION:

<b>PRODUCT CODE</b>	A0116
<b>PRODUCT NAME</b>	METHYL SALICYLATE
<b>SUPPLIER</b>	Shanghai M & U International Trade Co., Ltd. Rm 1717, No 598 North NuJiang Road 200333 Shanghai, China +86-21-32515501 32515502 sales@mu-intel.com

**FOR EMERGENCIES CALL CHEMTREC: 800-424-9300 (24-HOURS)**

### 2. HAZARD IDENTIFICATION:

#### Emergency Overview

#### OSHA Hazards -

Target Organ Effect, Harmful by ingestion, Irritant, Teratogen

#### Target Organs

Central nervous system, liver, ears, Kidney, Eyes

#### GHS Classification

Acute toxicity, Oral (Category 4)

Skin irritation (Category 2)

Eye irritation (Category 2A)

Specific target organ toxicity- single exposure (Category 3)

#### GHS Label elements, including precautionary statements

Pictogram

Signal word            Warning

#### Hazard statement(s)

H302                    Harmful if swallowed

H315                    Causes skin irritation.

H319                    Causes serious eye irritation.

H335                    May cause respiratory irritation

#### Precautionary statement(s)

P261                    Avoid breathing dust/fume/gas/mist/vapours/spray.

P305 P351 P338      IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.

**Flammability**            1

**Physical hazards**        1

**NFPA Rating**

**Health hazard**            1

**Fire**                        1

**Reactivity Hazard** 0

**Potential Health Effects**

**Inhalation** May be harmful if inhaled. May cause respiratory tract irritation.

**Skin** Harmful if absorbed through skin. May cause skin irritation

**Eyes** Causes eye irritation.

**Ingestion** Harmful if swallowed.

**3. COMPOSITION AND INFORMATION ON INGREDIENTS:**

**3. Composition/information on ingredients**

Synonyms 2-Hydroxybenzoic acid methyl ester

Oil of wintergreen

Wintergreen oil

Methyl 2-hydroxybenzoate

Formula C<sub>8</sub> H<sub>8</sub> O<sub>3</sub>

Molecular Weight 152.15

CAS-No 119-36-8

EC-No 204-317-7

**4. FIRST-AID GUIDE:**

**General advice**

Consult a physician. Show this safety data sheet to the doctor in attendance. Move out of dangerous area.

**If inhaled**

If breathed in, move person into fresh air. If not breathing, give artificial respiration. Consult a physician.

**In case of skin contact**

Wash off with soap and plenty of water. Consult a physician.

**In case of eye contact**

Rinse thoroughly with plenty of water for at least 15 minutes as a precaution.

**If swallowed**

DO NOT induce vomiting. Never give anything by mouth to an unconscious person. Rinse mouth with water. Consult a physician.

**5. FIRE-FIGHTING GUIDE:**

**Conditions of flammability**

Not flammable or combustible.

**Suitable extinguishing media**

Use water spray, alcohol-resistant foam, dry chemical or carbon dioxide.

**Special protective equipment for fire-fighters**

Wear self contained breathing apparatus for firefighting if necessary.

**Hazardous combustion products**

Hazardous decomposition products formed under fire conditions. - Carbon oxides.

## 6. ACCIDENTAL RELEASE GUIDE:

### **Personal precautions**

Use personal protective equipment. Avoid breathing vapors, mist or gas. Ensure adequate ventilation. Evacuate personnel to safe areas.

### **Environmental precautions**

Do not let product enter drains.

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

Soak up with inert absorbent material and dispose of as hazardous waste. Keep in suitable, closed containers for disposal.

## 7. HANDLING AND STORAGE:

### **Precautions for safe handling**

Avoid contact with skin and eyes. Avoid inhalation of vapor or mist.

### **Conditions for safe storage**

Handle and store under inert gas. Air, light, and moisture sensitive.

## 8. EXPOSURE AND PERSONAL PROTECTION:

Contains no substances with occupational exposure limit values.

### **Personal protective equipment**

#### **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).

#### **Hand protection**

Handle with gloves. Gloves must be inspected prior to use. Use proper glove removal technique (without touching glove's outer surface) to avoid skin contact with this product. Dispose of contaminated gloves after use in accordance with applicable laws and good laboratory practices. Wash and dry hands.

#### **Eye protection**

Face shield and safety glasses. Use equipment for eye protection tested and approved under appropriate government standards such as NIOSH (US) or EN 166(EU).

#### **Skin and body protection**

Complete suit protecting against chemicals. The type of protective equipment must be selected according to the concentration and amount of the dangerous substance at the specific workplace.

#### **Hygiene measures**

Handle in accordance with good industrial hygiene and safety practice. Wash hands before breaks and at the end of workday.

## 9. PHYSICAL AND CHEMICAL PROPERTIES:

**Appearance**

Form LIQUID  
Color COLORLESS TO PALE YELLOW

**Safety data**

Melting point -8°C  
Boiling point 202°C  
Flash point >200 °F - closed cup  
Ignition temperature 453°C (847°F)  
Vapor pressure (mmHg at 20 °C): 0.09  
Density 1.185 @ 25°C  
Water solubility INSOLUBLE  
Partition coefficient:  
n-octanol/water log Pow: 2.55

**10. STABILITY AND REACTIVITY:****Chemical stability**

Stable under recommended storage conditions.

**Conditions to avoid**

Heat and light.

**Materials to avoid**

Strong bases, Strong oxidizing agents.

**Hazardous decomposition products**

Hazardous decomposition products formed under fire conditions. – Carbon Oxides.

**11. TOXICOLOGICAL INFORMATION:****Acute toxicity**

**Oral LD50** - rat- 887 mg/kg

Remarks: Behavioral: Somnolence (general depressed activity).

**Dermal LD50** - rabbit - > 5,000 mg/kg

**Skin corrosion/irritation**

Skin-rabbit-Skin irritation-24 h

**Carcinogenicity**

IARC:

No component of this product present at 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.

**Teratogenicity**

Laboratory experiments have shown teratogenic effects.

**Specific target organ toxicity - single exposure (Globally Harmonized System)**

Inhalation- May cause respiratory irritation.

**Potential health effects**

Inhalation	May be harmful if inhaled. May cause respiratory tract irritation.
Ingestion	Harmful if swallowed.
Skin	Harmful if absorbed through skin May cause skin irritation.
Eyes	Causes eye irritation.

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

**Additional Information**

RTECS: VO4725000

**12. DISPOSAL RECOMMENDATIONS:**

**Product**

Offer surplus and non-recyclable solutions to a licensed disposal company. Contact a licensed professional waste disposal service to dispose of this material. Dissolve or mix the material with a combustible solvent and burn in a chemical incinerator equipped with an afterburner and scrubber.

**Contaminated packaging**

Dispose of as unused product.

**13. TRANSPORTATION INFORMATION:**

**DOT (US)**

Not dangerous goods

**IMDG**

Not dangerous goods

**IATA**

Not dangerous goods

**14. REGULATORY INFORMATION:**

**OSHA Hazards**

Target Organ Effect, Harmful by ingestion, Irritant, Teratogen

**SARA 302 Components**

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

**SARA 313 Components**

SARA 313: 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-No. 119-36-8 Revision date: 1989-08-11

**New Jersey Right To Know Components**

Methyl salicylate CAS-No. 119-36-8 Revision date: 1989-08-11

**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.

**OTHER INFORMATION:**

The information in this MSDS was obtained from current and reliable sources. However, the data is provided without any warranty, expressed or implied, regarding its correctness or accuracy. Since the conditions for use, handling, storage and disposal of this product are beyond M&U's control, it is the responsibility of the user both to determine safe conditions for use of this product and to assume liability for loss, damage, or expense arising out of the products improper use. No warranty expressed or implied regarding the product described herein will be created by or inferred from any statement or omission in the MSDS. Various federal, state, or provincial agencies may have specific regulations concerning the transportation, handling, storage, use, or disposal of this product which may not be reflected in the MSDS. The user should review these regulations to ensure full compliance.

Prepared by Shanghai M&U International, LLC