LKT Laboratories, Inc.

Safety Data Sheet

Section 1. Product and Company Identification

Product Name Methyl Salicylate

Product ID M1979

Chemical Name (Synonyms) Wintergreen Oil, Betula Oil, Sweet Birch Oil

Supplier

LKT Laboratories, Inc
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St. Paul, MN 55130 USA
Ph: 651-644-8424 Fax: 651-644-8357
www.lktlabs.com - getinfo@lktlabs.com

Emergency Phone # 1-800-424-9300

Section 2. Hazards Identification

GHS Classification

Acute toxicity, Oral (Category 4) H302
Acute aquatic toxicity (Category 3) H402

GHS Label elements including precautionary statements

Pictogram

Signal word **Warning**

Hazard and precautionary statements

Hazard statements

H302 - Harmful if swallowed.
H402 - Harmful to aquatic life.

Precautionary statements

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/ doctor if you feel unwell.
P330 - Rinse mouth.
P501 - Dispose of contents/ container to an approved waste disposal plant.

HMIS Classification

Health hazard: 1
Chronic health hazard: *
Flammability: 1
Physical hazard: 0

NFPA Rating

Health hazard: 0
Fire hazard: 1
Reactivity hazard: 0

Potential Health Effects

Inhalation - May be harmful if inhaled. May cause respiratory tract irritation.
Skin - May be harmful if absorbed through skin. May cause skin irritation.
Eyes - May cause eye irritation.

Ingestion - Acute toxicity - Harmful if swallowed.

Section 3. Composition/Information on Ingredients

Substances	Ingredient: Title Compound Percent: 100		
Formula	$C_8H_8O_3$	**Formula Wt.**	152.15
CAS No.	119-36-8	**EC No.**	204-317-7

Section 4. First Aid Measues

General advice	Move out of dangerous area. Consult a physician. Show this safety data sheet to the doctor in attendance.
Eye Contact	Flush eyes with water as a precaution.
Skin Contact	Wash off with soap and plenty of water. Consult a physician.
Inhalation	If breathed in, move person into fresh air. If not breathing, give artificial respiration. Consult a physician.
Ingestion	Never give anything by mouth to an unconscious person. Rinse mouth with water. Consult a physician.

Section 5 . Firefighting Measures

Flash Point	95˚C
Extingushing Media	Use water spray, alcohol-resistant foam, dry chemical or carbon dioxide.
Firefighting Procedures	Wear self-contained breathing apparatus for firefighting if necessary.
Unusual Fire Hazards	Not available.

Section 6. Accidental Release Measures

Personal Precautions	Use personal protective equipment. Avoid breathing vapors, mist, or gas. Ensure adequate ventilation.
Environmental Precautions	Prevent further leakage or spillage if safe to do so. Do not let product enter drains. Discharge into the environment must be avoided.
Methods and materials for containment and cleanup	Soak up with inert absorbent material and dispose of as hazardous waste. Keep in suitable, closed containers for disposal.

Section 7. Handling and Storage

Handling	Avoid contact with skin and eyes. Avoid inhalation of vapor or mist.formation of dust and aerosols. Provide appropriate exhaust ventilation at places where dust is formed.
Storage Conditions	Keep container tightly closed in a dry and well-ventilated place. Recommended storage temperature: Ambient
Hazardous Decomposition Products	Hazardous decomposition products formed under fire conditions. - Carbon oxides.
Other Remarks	Light sensitive.

Section 8. Exposure Controls/Personal Protection

Personal protective equipment

EXPOSURE CONTROLS
Contains no substances with occupational exposure limit values.
Handle in accordance with good industrial hygiene and safety practice. Wash hands before breaks and at the end of workday.
PERSONAL PROTECTION
Eye/face 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 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. Full and splash contact - Material: Nitrile rubber, Minimum layer thickness: 0.11 mm, Break through time: 480 min., Material tested: Dermatril® (KCL 740 / Aldrich Z677272, Size M).
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.
Respiratory protection: Where risk assessment shows air-purifying respirators are appropriate use a full-face particle respirator type N99 (US) or type P2 (EN 143) 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).

Section 9. Physical and Chemical Properties

Physical State	Liquid.	**Color**	Clear colorless liquid.
Boiling Point	220-224°C	**Volatility**	Not available.
Melting Point	-8.6°C	**Density**	Relative density 1.174 g/mL at 25˚C
Solubility	Sparingly soluble in water. Soluble in chloroform and ether.	**pH**	Not available.
Flash Point	95˚C	**Ignition temperature**	Not available.
Lower explosion limit	Not available.	**Autoignition temperature**	Not available.
Upper explosion limit	Not available.	**Vapor pressure**	1 hPa (1 mmHg) at 53˚C
Water solubility	Sparingly soluble in water.	**Odor**	Not available.
Partition coefficient: n-octanol/water	log Pow: 2.55	**Odor Threshold**	Not available.
Relative vapor density	5.25 (Air = 1.0)	**Evaporation rate**	Not available.

Section 10. Stability and Reactivity

Stability Stable under recommended storage conditions.

Materials To Avoid Strong bases, strong oxidizing agents.

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

Possibility of hazardous reactions Not available.

Conditions to avoid Heat and light.

Section 11. Toxicological Information

Oral LD50 Rat (male and female) 887 mg/kg (OECD Test Guideline 401)

Inhalation LC50 Not available.

Dermal LD50 Rabbit - > 5,000 mg/kg

Other information on acute toxicity Not available.

Reproductive Toxicity Laboratory experiments have shown teratogenic effects.

Specific organ toxicity single exposure (GHS) Not available.

Specific organ toxicity repeated exposure (GHS) Not available.

Teratogenicity Not available.

Skin corrosion/irritation Skin - Rabbit
Result: Mild skin irritation - 4 h
(OECD Test Guideline 404)

Serious eye damage/irritation Eyes - Rabbit
Result: No eye irritation - 72 h
(OECD Test Guideline 405)

Respiratory or skin sensitization Maximiaztion Test - Guinea pig
Result: Does not cause skin sensitization.
(OECD Test Guideline 406)

Germ cell mutagenicity Ames test
S. typhimurium
Result: negative

Aspiration Hazard Not available.

Synergistic effects Not available.

Additional Information Repeated dose
Rat (male and female) Oral - NOAEL: 50 mg/kg
Toxicity RTECS: VO4725000

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. Stomach, irregularities, based on human evidence.

Potential Health Effects Inhalation - May be harmful if inhaled. May cause respiratory tract irritation.
Skin - May be harmful if absorbed through skin. May cause skin irritation.
Eyes - May cause eye irritation.
Ingestion - Acute toxicity - Harmful if swallowed.

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.

Section 12. Ecological Information

Toxicity Toxicity to fish - static test LC50 - Danio rerio (zebra fish) - > 100 mg/l - 96h (OECD Test Guideline 203)

Toxicity to algae - static test EC50 - Desmodesmus subspicatus (green algae) - 27

Mobility in soil Not available.

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

	mg/l - 72 h (OECD Test Guideline 201)
Persistence and degradability	aerobic - Exposure time 28 d Result: 98.4% - Readily biodegradable (OECD Test Guideline 301B)
Bioaccumulative potential	Not available.

conducted.

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

Waste Disposal Dispose of material according to all federal, state and local regulations.
Offer material to a licensed, professional waste disposal company to dispose of as unused product. Dissolve or mix the material with a combustible solvent and burn in a chemical incinerator equipped with an afterburner and scrubber.

Section 14. Transport Information

DOT (US) Not dangerous goods.

IATA Not dangerous goods.

IMDG Not dangerous goods.

Further Information

Section 15. Regulatory Information

Reach No.

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 Components No SARA hazards.

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 Revision Date: 1989-08-11

New Jersey Right To Know Components Methyl Salicylate CAS #: 119-36-8 Revision Date: 1989-08-11

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

Section 16. Other Information

Other information The information in this document is believed to be correct but is not necessarily complete. LKT does not guarantee the accuracy of the information. The burden of verifying the information in this document rests solely upon the user.

Updated 6/12/2020

For emergencies in the USA, call
CHEMTREC 800-424-9300