




MATERIAL SAFETY DATASHEET

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1. IDENTIFICATION OF THE SUBSTANCE/PREPARATION & THE COMPANY/UNDERTAKING

1.1 Product Identifier					
Product Name		Wintergreen Essential Oil			
Biological Definition		Gaultheria Procumbens Leaf Oil is the volatile oil obtained from the leaves of the Wintergreen, Gaultheria procumbens L., Ericaceae.			
INCI Name		<i>Gaultheria Procumbens Leaf Oil</i>			
Synonyms & Trade Names		---			
CAS-No	90045-28-6	EC No.	289-888-0	EINECS No.	N/A
1.2 Relative identified uses of the substance or mixture and uses advised against					
Industrial uses. Formulation [mixing] of preparations. Uses advised against: Other uses than those recommended.					
1.3 Details of the supplier of the safety data sheet					
VENKATRAMNA INDUSTRIES, Talaya Chauki, Kannauj-209725, (UP) INDIA					
1.4 Emergency Tel. No.		+91-9554075786			

2. HAZARDS IDENTIFICATION

2.1 Classification of the substance or mixture	
GHS Classification in accordance with 29 CFR 1910 (OSHA HCS) Acute toxicity, Oral (Category 4), H302 Acute aquatic toxicity (Category 3), H402 For the full text of the H-Statements mentioned in this Section, see Section 16.	
2.2 Label Elements	
Signal Word	Warning
	
Hazard Statements	
H302: Harmful if swallowed. H315: Causes skin irritation. H411: Toxic to aquatic life with long lasting effects.	
Precautionary Statements	
P210: Keep away from flames and hot surfaces. No smoking. P261: Avoid breathing dust/fume/gas/mist/vapors/spray.	

P280: Wear protective gloves.
 P501: Dispose of contents/container to an approved waste disposal plant.
 P301 + P310: IF SWALLOWED: Immediately call a POISON CENTER/doctor/physician.
 P264: Wash hands thoroughly after handling.
 P302 + P352: IF ON SKIN: Wash with plenty of water/soap.

Supplementary Precautionary Statements

2.3 Other Hazards

May cause skin irritation/allergy. Patch test recommended.

3. COMPOSITION/INFORMATION ON INGREDIENTS

3.1 Substances

100% Methyl Salicylate

4. FIRST AID MEASURES

4.1 Description of first aid measures

Inhalation	If breathed in, move person into fresh air. If not breathing, give artificial respiration. Consult a physician.
Ingestion	If swallowed, rinse mouth with water. Seek medical advice immediately and show this container or label. Do NOT induce vomiting.
Skin Contact	Remove contaminated clothes. Rinse skin with plenty of water or shower. Refer for medical attention.
Eye Contact	First rinse with plenty of water for several minutes (remove contact lenses if easily possible), then take to a doctor.

4.2 Most important symptoms and effects, both acute and delayed

Eye contact: May cause eye irritation and corneal damage if not immediately rinsed out.

Skin Contact: Repeated contact may cause allergic dermatitis.

Inhalation: Breathing high concentrations of vapor may cause anesthetic effects.

Ingestion: Do Not Induce vomiting.

4.3 Indication of any immediate medical attention and special treatment needed

No additional data available

5. FIRE-FIGHTING MEASURES

5.1 Extinguishing Media

Carbon dioxide, dry chemical powder or appropriate foam. For safety reasons do not use full water jet

5.2 Special hazards arising from the product

None known

5.3 Advice for firefighters

In case of fire in the surrounding area, follow the recommendations below:

1-Closed containers may build up pressure at elevated temperatures.

2-Avoid inhalation of fumes or vapours. Use appropriate respiratory protection.

3-Prevent run-off from fire fighting to enter drains or water courses.
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6. ACCIDENTAL RELEASE MEASURES

6.1	Personal precautions, protective equipment and emergency procedures
	Use personal protective equipment. Avoid breathing vapours, mist or gas. Ensure adequate ventilation. For personal protection see section 8.
6.2	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.
6.3	Methods and material for containment and cleaning up.
	Soak up with inert absorbent material and dispose of as hazardous waste. Keep in suitable, closed containers for disposal.
6.4	Reference to other sections
	See also sections 8 and 13.

7. HANDLING AND STORAGE

7.1	Precautions for safe handling
	Keep away from food, drink and animal feeding stuffs. Do not smoke. Avoid contact with skin and eyes. Handle in accordance with good industrial hygiene and safety practice.
7.2	Conditions for safe storage, including any incompatibilities
	Keep the product in its original container well sealed, in a dry and ventilated area, away from potential sources of ignition and protected from light. Store in accordance with local/national regulations and follow the warnings on the label.
7.3	Specific end use(s)
	No additional data available.

8. EXPOSURE CONTROLS/PERSONAL PROTECTION

8.1	Control parameters
	Declaration of substances is not required
8.2	Exposure controls
	Protective Equipment
	
Process Conditions	Provide eyewash station.
Engineering Measures	Provide adequate ventilation.

Respiratory Equipment	For high concentrations use respiratory equipment. 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	Chemical resistant gloves (PVC)
Eye Protection	Wear approved safety goggles.
Other Protection	Wear appropriate clothing to prevent any possibility of skin contact.
Hygiene Measures	Good personal hygiene practices are always advisable, especially when working with chemicals / oils.
Personal Protection	Use personal protection according to Directive 89/686/EEC.
Skin Protection	Wear apron or protective clothing in case of splashes. Full contact Material: butyl-rubber Minimum layer thickness: 0.3 mm Break through time: 480 min Material tested: Butoject® (KCL 897 / Aldrich Z677647, Size M) Splash contact Material: Nitrile rubber Minimum layer thickness: 0.4 mm Break through time: 30 min Material tested: Camatril® (KCL 730 / Aldrich Z677442, Size M) data source: KCL GmbH, D-36124 Eichenzell, phone +49 (0)6659 87300, e-mail sales@kcl.de, test method: EN374 If used in solution, or mixed with other substances, and under conditions which differ from EN 374, contact the supplier of the CE approved gloves. This recommendation is advisory only and must be evaluated by an industrial hygienist and safety officer familiar with the specific situation of anticipated use by our customers. It should not be construed as offering an approval for any specific use scenario.
Environmental Controls	Exposure Avoid discharging into drainage water. Only eliminate by authorized companies.

9. PHYSICAL AND CHEMICAL PROPERTIES

9.1 Information on basic physical and chemical properties

Appearance	Liquid
Colour	Pale Yellow
Odour	aromatic
Relative Density	1.174 g/cm ³ (20 °C)
Flash Point (°C)	96°C
Refractive Index	1.460 to 1.475(20 °C)
Melting Point (°C)	No additional data available
Boiling Point (°C)	No additional data available
Vapour Pressure	No additional data available
Solubility in Water @20°C	Insoluble in water.
Auto-ignition temperature (°C)	No additional data available
9.2 Other information	

No additional data available.

10. STABILITY AND REACTIVITY

10.1 Reactivity	
No dangerous reactions known.	
10.2 Chemical stability	
Stable under normal operating conditions.	
10.3 Possible hazardous reactions	
Hazardous Polymerization: It does not undergo any dangerous reactions under normal conditions.	
10.4 Conditions to Avoid	
Heat, flames and other sources of ignition. No special precautions other than good housekeeping of chemicals.	
10.5 Incompatible materials	
Oxidizing mineral acids, strong reducing agents, strong oxidizing agents.	
10.6 Hazardous Decomposition Products	
Carbon monoxide and other unidentified organic compounds may be formed upon combustion.	

11. TOXOLOGICAL INFORMATION

11.1 Information on toxicological effects	
Acute Toxicity	LD50 Oral - Rat - male and female - 887 mg/kg (OECD Test Guideline 401) Inhalation: No data available LD50 Dermal - Rabbit - > 5,000 mg/kg
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	Maximisation Test - Guinea pig Result: Does not cause skin sensitisation. (OECD Test Guideline 406)
Germ Cell Mutagenicity	Ames test S. typhimurium Result: negative
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.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.

	<p>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.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.</p> <p>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. 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.</p>
Reproductive toxicity	Laboratory experiments have shown teratogenic effects.
STOT-single exposure	Specific target organ toxicity
STOT-repeated exposure	Specific target organ toxicity
Aspiration hazard	Not Specified
Photo-toxicity	Not listed as photo-toxic
Other Information	<p>Repeated dose toxicity RTECS: VO4725000 Rat - male and female - Oral - NOAEL : 50 mg/kg 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 Stomach - Irregularities - Based on Human Evidence</p>
11.2 Information on the likely routes of exposure	
Skin/scalp contact.	
11.3 Symptoms related to the physical, chemical, and toxicological characteristics	
None known. Irritation of the eye if exposed. Redness of the skin if irritated	
11.4 Delayed and immediate effects and chronic effects from short-term and long-term exposure	
No Data Available	

12. ECOLOGICAL INFORMATION

12.1 Toxicity
<p>Toxicity to fish static test LC50 - Danio rerio (zebra fish) - > 100 mg/l - 96 h(OECD Test Guideline 203) Toxicity to algae static test EC50 - Desmodesmus subspicatus (green algae) - 27 mg/l - 72 h(OECD Test Guideline 201)</p>
12.2 Persistence & degradability
<p>aerobic - Exposure time 28 d Result: 98.4 % - Readily biodegradable (OECD Test Guideline 301B)</p>
12.3 Bioaccumulation Potential
No data available
12.4 Mobility in soil
Not determined
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.

13. DISPOSAL CONSIDERATIONS

13.1 Waste treatment methods

Containers must be disposed of as hazardous waste. Do not reuse empty containers. Dilute the remaining material and neutralise. Empty residue into a suitable disposal site. Dispose of in accordance with all state and local environmental regulations. This material and its container must be disposed of in a safe way.

14. TRANSPORT INFORMATION

14.1 UN number

UN No. Road	Not regulated for transport
UN No. SEA	Not regulated for transport
UN No. AIR	Not regulated for transport

14.2 UN proper shipping name

14.3 Transport hazard class(es)

ADR/RID/ADN Not regulated for transport

ADR/RID/ADN Class ---
IMDG Class ---
ICAO Class/Division ---

14.4 Packing group

ADR/RID/ADN Packing group Not regulated for transport
IMDG Packing group ---
ICAO Packing group ---

14.5 Environmental hazards

Do not allow to escape into environment, especially not into waterways, sewers or the sea.

14.6 Special precautions for user

EMS: Not allocated
Emergency Action Code: Not allocated
Hazard No. (ADR): Not allocated
Tunnel Restriction Code (E) Not assigned

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

N/A

15. REGULATORY INFORMATION

15.1 Safety, health and environmental regulations/legislation specific for the substance or mixture

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-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.

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

15.2 Chemical safety assessment

No additional information available.

16. OTHER INFORMATION

Hazard and/or Precautionary Statements in Full	<p>H302: Harmful if swallowed. H304: May be fatal if swallowed and enters airways. H317: May cause an allergic skin reaction. H318: Causes serious eye damage.</p> <p>HMIS Rating Health hazard: 1 Chronic Health Hazard: * Flammability: 1 Physical Hazard 0</p> <p>NFPA Rating Health hazard: 0 Fire Hazard: 1 Reactivity Hazard: 0</p>
Other Information	None found

DISCLAIMER: This information relates only to the specific material designated and may not be valid for such material used in combination with any other materials or in any process. Such information is, to the best of the company's knowledge and belief, accurate and reliable as of the date indicated. However, no warranty guarantee or representation is made to its accuracy, reliability or completeness. It is the user's responsibility to satisfy himself as to the suitability of such information for his own particular use.