

Safety Data Sheet

OSHA 29 CFR 1910.1200

Printing Date: January 30, 2026

Version No.: 1.0

Revision: January 30, 2026

1 Identification

• **Product identifier used on the label:**

Mosquito Repellent

Contains: Rosemary Oil; Peppermint Oil; Citronella Oil; Cedar wood Oil

• **Other means of identification:**

No available data.

• **Recommended use of the chemical and restrictions on use**

• **Recommended use:**

Consumer uses, mosquito repellent and elimination.

• **Restrictions on use:**

No available data.

• **Name, U.S. address, and U.S. telephone number of the chemical manufacturer, importer, or other responsible party:**

BONAS TECHNOLOGY CO LTD.

418 Broadway Ste R NY ALBANY 12207

Post code: 12207

Tel: +086 18952062566

Email: bonashhm@163.com

National contact: hong meihuang

• **Emergency phone number**

Tel: +086 18952062566

2 Hazard(s) identification

• **Classification of the chemical in accordance with paragraph (d)(1)(i) of § 1910.1200:**

Hazard class	Hazard category
Skin sensitization	Category 1
Serious eye damage/eye irritation	Category 2A
Specific target organ toxicity, single exposure	Category 2

• **Classification system:**

The classification is according to the latest edition of OSHA Hazard Communication Standard (29 CFR 1910.1200) and extended by company and literature data.

• **Signal word, hazard statement(s), symbol(s) and precautionary statement(s) in accordance with paragraph (f) of § 1910.1200**

• **Hazard symbol(s):**



• **Signal word:**

Warning

• **Hazard statement(s):**

May cause an allergic skin reaction

Causes serious eye irritation

May cause damage to organs

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Trade Name: Mosquito Repellent**• Precautionary statement(s):***If medical advice is needed, have product container or label at hand.**Keep out of reach of children.**Read label before use.**Avoid breathing dust/mist.**Wash hands and face thoroughly after handling.**Contaminated work clothing should not be allowed out of the workplace.**Wear protective gloves/eye protection/face protection.**IF ON SKIN: Wash with plenty of soap and water.**If skin irritation or rash occurs: Get medical advice/attention.**IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. If eye irritation persists: Get medical advice/attention.**IF exposed or concerned: Call a POISON CENTER/doctor**Specific treatments see the first aid measures on this label.**Take off contaminated clothing and wash it before reuse.**Dispose of contents/container in accordance with local regulations.***• Hazards not otherwise classified (HNOC):***No known otherwise classified hazards.***3 Composition/information on ingredients****• Chemical characterization:***Mixture***• Description:***Mosquito Repellent.***• Components:**

CAS No.	Composition Name	w/w, %
-	Sawdust	67
7440-44-0	Carbon	23
8000-25-7	Rosemary Oil	4.5
8006-90-4	Peppermint Oil	2
8000-29-1	Citronella Oil	1.5
8000-27-9	Cedar wood Oil	1
8007-02-1	Lemongrass Oil	1

4 First aid measures**• Description of necessary measures****• After inhalation:***Supply with fresh air.**Call for doctor/physician if you feel unwell.***• After skin contact:***Wash with plenty of soap and water.*

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If skin irritation or rash occurs: Get medical advice/attention.

• After eye contact:

Rinse cautiously with water for several minutes.

Remove contact lenses, if present and easy to do.

Continue rinsing.

If eye irritation occurs: Get medical advice/attention.

• After swallowing:

Rinse mouth.

Call a POISON CENTER/doctor if you feel unwell.

• Most important symptoms/effects, acute and delayed:

Acute and delayed effects are as indicated in sections 2 and 11.

• Indication of immediate medical attention and special treatment needed, if necessary:

Treat according to symptom, there is not known specific medicine.

5 Fire-fighting measures

• Suitable (and unsuitable) extinguishing media:

Use CO₂, powder, water spray or alcohol resistant foam to extinguish.

• Specific hazards arising from the chemical:

May form allergic/irritant dust if burning

• Special protective equipment and precautions for fire-fighters:

Wear self-contained breathing apparatus for firefighting.

6 Accidental release measures

• Personal precautions, protective equipment, and emergency procedures:

Collect the leakage timely.

Ensure adequate ventilation.

Wear personal protective equipment.

Avoid breathing dust/mist.

Avoid contact with skin and eyes.

Avoid release to the environment.

• Methods and materials for containment and cleaning up:

Use any feasible mechanical means (e.g. vacuum, sweeping) but avoid dusting during clean-up.

Ensure well ventilation.

Dispose contaminated material as waster according to item 13.

7 Handling and storage

• Precautions for safe handling:

Read label before use.

Avoid breathing dust/mist.

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Trade Name: Mosquito Repellent*Avoid contact with eyes and skin.**Avoid release to the environment.***• Information about fire and explosion protection:***Normal measures for preventive fire protection.***• Conditions for safe storage, including any incompatibilities****• Requirements to be met by storerooms and receptacles:***Store in a dry and well-ventilated place.***• Information about storage in one common storage facility:***Keep out of reach of children.***• Further information about storage conditions:***Store locked up.*

8 Exposure controls/personal protection

• Components with limit values that require monitoring at the workplace:

CAS No.	Composition	OSHA PEL	NIOSH REL	ACGIH TLV	Cal/OSHA PEL
7440-44-0	Carbon	15 mg/m ³ (total dust), 5 mg/m ³ (respirable fraction) TWA	-	2 mg/m ³ (respirable particulate matter) TWA	10 mg/m ³ (total dust), 5 mg/m ³ (respirable fraction) TWA

• Appropriate engineering controls:*Handle in accordance with good industrial hygiene and safety practice.**Wash hands and face before breaks and at the end of work.**See section 7 for information about design of technical facilities.***• Individual protection measures, such as personal protective equipment:****• Breathing equipment:***Not required under normal conditions of use.**For industrial applications, following protection required:***Respiratory equipment***Use positive pressure breathing mask if concentrations in air could exceed occupational exposure standard.***• Protection of hands:***Not required under normal conditions of use.**For industrial applications, following protection required:***Protective gloves***Gloves made from butyl rubber Neoprene™ rubber, nitrile rubber (thickness > 0.11mm; breakthrough times up to 480 minutes).***• Eye protection:***Not required under normal conditions of use.**For industrial applications, following protection required:*

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**Safety glasses**

Protective goggles with side-shields.

• Body Protection:

Not required under normal conditions of use.

For industrial applications, following protection required:

**Safety boots****Safety overalls**

Gauntlets, boots, bodysuit are recommended.

9 Physical and chemical properties

• Physical state	Solid
• Color	Black
• Odor (includes odor threshold)	Scented rosemary and mint
• Melting point/freezing point	Not determined
• Boiling point (or initial boiling point or boiling range)	Not determined
• Flammability	Not flammable solid
• Lower and upper explosion limit/flammability limit	Not applicable
• Flash point	Not applicable
• Auto-ignition temperature	Not applicable
• Decomposition temperature	Not determined
• pH-value	Not determined
• Kinematic viscosity (mm ² /s)	Not applicable
• Solubility	Not determined
• Partition coefficient n-octanol/water (log value)	Not applicable
• Vapor pressure (includes evaporation rate)	Not applicable
• Density and/or relative density	Not determined
• Relative vapor density	Not applicable
• Particle characteristics	Not determined
• Other information	Not determined

10 Stability and reactivity

• Reactivity:

The product is non-reactive under normal conditions of use, storage and transport.

• Chemical stability:

Stable under recommended storage conditions.

• Possibility of hazardous reactions, including those associated with foreseeable emergencies:

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No known hazardous reaction.

• Conditions to avoid:

High temperature.

• Incompatible materials:

Strong acids, strong oxidizing agents

• Hazardous decomposition products:

No known hazardous decomposition products.

11 Toxicological information

• Acute toxicity:

Non-toxic chemical.

Species	Effective Dose	Results	Method/Source
8006-90-4 Peppermint Oil			
Rat	LD50-oral	2426 mg/kg	Lewis, R.J. Sax's Dangerous Properties of Industrial Materials. 9th ed. Volumes 1-3. New York, NY: Van Nostrand Reinhold, 1996., p. 2600.
Mouse	LD50-oral	2490 mg/kg	Lewis, R.J. Sax's Dangerous Properties of Industrial Materials. 9th ed. Volumes 1-3. New York, NY: Van Nostrand Reinhold, 1996., p. 2600.
8000-29-1 Citronella Oil			
Rat	LD50-oral	2420 mg/kg	National Technical Information Service., OTS0557726.
Rabbit	LD50-dermal	4700 mg/kg	[MSDS - cited from RTECS]

• Primary irritant effect**• Skin corrosion/irritation:**

Not irritant to skin.

• Serious eyes damage/ irritation:

Irritant to eyes.

• Sensitization:

Sensitive to skin.

• Additional toxicological information:

The product shows the following dangers according to internally approved calculation methods for preparations: allergic; specific target organ toxicity; irritant.

• Carcinogenic categories**• IARC (International Agency for Research on Cancer):**

None of the ingredients are listed.

• NTP (National Toxicology Program):

None of the ingredients are listed.

• OSHA (Occupational Safety & Health Administration):

None of the ingredients are listed.

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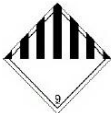

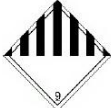

12 Ecological information

- **Ecotoxicity:** No available data.
- **Persistence and degradability:** No available data.
- **Bioaccumulative potential:** No available data.
- **Mobility in soil:** No available data.
- **Other adverse effects (such as hazardous to the ozone layer):**
No known other adverse effects.

13 Disposal consideration

- **Description of waste residues and information on their safe handling and methods of disposal, including the disposal of any contaminated packaging**
- **Recommendation:**
Must not be disposed together with household garbage.
- **Contaminated packaging**
- **Recommendation:**
Dispose of contents/container in according to the local regulation.

14 Transport information

• UN-Number	
• DOT-DGR	UN3077
• IMO-IMDG (42-24)	UN3077
• IATA-DGR (67th)	UN3077
• UN proper shipping name	
• DOT-DGR	ENVIRONMENTALLY HAZARDOUS SUBSTANCE, SOLID, N.O. S (contains Rosemary Oil)
• IMO-IMDG (42-24)	ENVIRONMENTALLY HAZARDOUS SUBSTANCE, SOLID, N.O. S (contains Rosemary Oil)
• IATA-DGR (67th)	ENVIRONMENTALLY HAZARDOUS SUBSTANCE, SOLID, N.O. S (contains Rosemary Oil)
• Transport hazard class (es)	
• DOT-DGR	 
• Class	9 Miscellaneous dangerous substances and articles
• Label	9
• IMO-IMDG (42-24)	 

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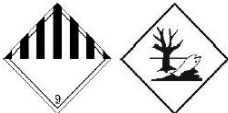
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• Class	9 Miscellaneous dangerous substances and articles	
• Label	9	
• IATA-DGR (67th)		
• Class	9 Miscellaneous dangerous substances and articles	
• Label	9	
• Packing group		
• DOT-DGR	III	
• IMO-IMDG (42-24)	III	
• IATA-DGR (67th)	III	
• Environmental hazardous		
• Marine pollution	Yes	
• Special precautions for user	Warning: Miscellaneous dangerous substances and articles	
• Danger code (Kemler)	90	
• EMS number	F-A, S-F	
• Transport in bulk according to Annex II of MARPOL 73/78 and the IBC Code	IBC03	
• UN "Model Regulation"	UN3077, ENVIRONMENTALLY HAZARDOUS SUBSTANCE, SOLID, N.O. S (contains Rosemary Oil), 9, III	
• Additional information		
• Land transport (DOT-DGR)		
Limited quantity	No limit	
Special provisions	8, 146, B54, IB8, IP3, N20, T1, TP33	
• Sea transport (IMO-IMDG)		
Limited quantity	5kg	
Special provisions	274, 335, 375, 969, 967, 969	
• Air transport (IATA-DGR)		
Limited quantity	Passenger and Cargo Aircraft: 400kg Cargo Aircraft Only: 400kg	
Special provisions	A97, A158, A179, A197, A215	

15 Regulatory information

• **Safety, health and environmental regulations/legislation specific for the substance or mixture**• **Sara**• **Section 355 (extremely hazardous substances):**

None of the ingredients are listed.

• **Section 313 (Specific toxic chemical listings):**

None of the ingredients are listed.

• **TSCA (Toxic Substances Control Act):**

7440-44-0	Carbon	Listed
8000-25-7	Rosemary Oil	Listed

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8006-90-4	Peppermint Oil	Listed
8000-29-1	Citronella Oil	Listed
8000-27-9	Cedar wood Oil	Listed
8007-02-1	Lemongrass Oil	Listed

• Proposition 65**• Chemicals known to cause cancer:**

None of the ingredients are listed.

• Chemicals known to cause reproductive toxicity for females:

None of the ingredients are listed.

• Chemicals known to cause reproductive toxicity for males:

None of the ingredients are listed.

• Chemicals known to cause developmental toxicity:

None of the ingredients are listed.

• Washington, WAC 173-334-130 (CHCC):

None of the ingredients are listed.

• Chemicals of Concern, published by Maine DEP on July, 2015:

None of the ingredients are listed.

• Chemicals of High Concern to Children, published by Department of Health, Vermont, Rev Date Nov 24, 2014:

None of the ingredients are listed.

• High Priority Chemicals of Concern for children's Health, Oregon, update on May 18, 2016:

None of the ingredients are listed.

• Carcinogenicity categories**• EPA (Environmental Protection Agency):**

None of the ingredients are listed.

• TLV (Threshold Limit Value established by ACGIH):

None of the ingredients are listed.

• NIOSH-Ca (National Institute for Occupational Safety and Health):

None of the ingredients are listed.

16 Other information**• Date of preparation** : 30 January 2026**• Version** : 1.0**• The contents and format of this SDS are in accordance with 29 CFR 1910.1200(g).****• DISCLAIMER OF LIABILITY:**

The information in this SDS was obtained from sources which we believe are reliable. However, the information is provided without any warranty, express or implied, regarding its correctness. The conditions or methods of handling, storage, use or disposal of the product are beyond our control and may be beyond our knowledge. For this and other reasons, we do not assume responsibility and expressly disclaim liability for loss, damage or expense arising out of or in any way connected with the handling, storage, use or disposal of the product. This SDS was prepared and is to be used only for this product. If the product is used as a component in another product, this SDS information may not be applicable.

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• Abbreviations and acronyms:

DOT: Department of Transportation

IMDG: International Maritime Code for Dangerous Goods.

IATA: International Air Transport Association

LD50: Lethal dose, 50 percent

LC50: Lethal concentration, 50 percent

EC50: Concentration of maximal effect, 50 percent

NOEC: No observed effect concentration

PEL: Permissible Exposure Limit

TLV: Threshold limit value

REL: Recommended Exposure Limit

End of safety data sheet