



ZURI ESSENTIAL OIL MATERIAL SAFETY DATA SHEET

Page 1 of 5

SECTION 1 - PRODUCT AND COMPANY IDENTIFICATION

1.1 SUBSTANCE IDENTIFICATION

Product Name : PATCHOULI OIL
Botanical Name : POGOSTEMON CABLIN
INCI Name : POGOSTEMON CABLIN
CAS No : 8014-09-3
EINECS No : 282-493-4
FEMA No : N,A
Plant/Part Used : LEAVES
Relative Identified Uses : FOR INDUSTRIAL USE BY PROFESSIONALS ONLY

1.2 IDENTIFICATION OF COMPANY

Country of origin : INDIA
Company Name : ZURI ESSENTIAL OIL
Address : HAJI GANJ KANNAUJ
Emergency Number : +91 8423878832

SECTION 2 - HAZARDS IDENTIFICATION SUMMARY

Off-white viscous liquid

HEALTH HAZARDS: May be harmful if swallowed, absorbed through skin, or inhaled. Mildly irritating to the eyes and skin.

PHYSICAL HAZARDS: Can decompose at high temperatures releasing toxic gases.

ENVIRONMENTAL HAZARDS: Highly toxic to bees, birds and aquatic invertebrates. Keep out of water ways.



SECTION 3 - COMPOSITION, INFORMATION OF INGREDIENTS

PRODUCT NAME	PERCENTAGE	CAS / EC NUMBER	Hazard Class
POGOSTEMON CABLIN	2.5-5.0%	8014-09-3/282-493-4	N,A

SECTION 4 - FIRST AID MEASURES

First Aid responders should use protective equipment in Section 8 if there is a potential for exposure to product.

IF SWALLOWED: Call a poison control center or doctor immediately for treatment advice. Have person sip a glass of water if able to swallow. Do not induce vomiting unless told to do so by the poison control center or doctor. Do not give anything by mouth to an unconscious person.

IF ON SKIN OR CLOTHING: Take off contaminated clothing. Rinse skin immediately with plenty of water for 15-20 minutes. Call a poison control center or doctor for treatment advice.

IF IN EYES: Hold eye open and rinse slowly and gently with water for 15-20 minutes. Remove contact lenses, if present, after the first 5 minutes, then continue rinsing eye. Call a poison control center or doctor for treatment advice.

IF INHALED: Move person to fresh air, if person is not breathing, call 911 or an ambulance, then give artificial respiration, preferably mouth-to-mouth if possible. Call a poison control center or doctor for further treatment advice.

Have a product container or label with you when calling a poison control center or doctor, or going for treatment.

NOTE TO PHYSICIAN: No specific antidote, treat symptomatically.



ZURI ESSENTIAL OIL MATERIAL SAFETY DATA SHEET

Page 2 of 5

SECTION 5 - FIRE FIGHTING MEASURES

National Fire Protection Rating (NFPA)

HEALTH	1
FLAMMABILITY	0
REACTIVITY	0
4=Severe 3=Serious 2=Moderate 1=Slight 0=Minimal	

FLASHPOINT: >200°F / >100°C

EXTINGUISHING MEDIA: Use foam, dry chemical, or water spray.

FIRE AND EXPLOSION HAZARD: Can burn in fire, releasing irritating and toxic gases due to thermal decomposition or combustion.

FIRE FIGHTING INSTRUCTIONS: Evacuate area and fight fire upwind from a safe distance to avoid hazardous vapors and decomposition products. Dike and collect water used to fight fire to prevent environmental damage due to run off. Foam or dry chemical fire extinguishing systems are preferred to prevent environmental damage from excessive water runoff. Minimize use of water to prevent environmental contamination

FIRE FIGHTING EQUIPMENT: Self-contained breathing apparatus with full face piece.

SECTION 6 - ACCIDENTAL RELEASE MEASURES

IN CASE OF SPILLS OR LEAKS: Clean up spills immediately, observing precautions in Section 8 of this document. Isolate hazard area. Keep unnecessary and unprotected personnel from entering.

SMALL SPILL: Absorb small spills on sand, vermiculite or other inert absorbent. Place contaminated material in appropriate container for disposal.

LARGE SPILL: Dike large spills using absorbent or impervious material such as clay or sand. Recover and contain as much free liquid as possible for reuse. Allow absorbed material to solidify, and scrape up for disposal. After removal, clean contaminated area thoroughly with water. Pick up wash liquid with additional absorbent and place in a disposable container.

This material should be prevented from contaminating soil or from entering sewage and drainage systems and bodies of water. Minimize use of water to prevent environmental contamination

SECTION 7 - HANDLING AND STORAGE

KEEP OUT OF REACH OF CHILDREN!

HANDLING: Use only in a well-ventilated area. Minimize dust generation and accumulation.

STORAGE: Keep container closed when not in use. Keep away from food, feed and drinking water. Store in a well ventilated dry place away from heat. Store above 32 F.

Wear proper safety equipment specified in Section 8 when mixing, loading or otherwise handling concentrate.

SECTION 8 - EXPOSURE CONTROLS, PERSONAL PROTECTION

EXPOSURE LIMITS (8 hour TWA, ppm): .

COMPONENT	OSHA PEL	ACIGH TLV
Imidacloprid	Not listed	Not Listed

ENGINEERING CONTROLS: Proper ventilation is required when handling or using this product. Facilities storing or utilizing this material should be equipped with an eyewash facility and a safety shower.



ZURI ESSENTIAL OIL MATERIAL SAFETY DATA SHEET

Page 3 of 5

PERSONAL PROTECTIVE EQUIPMENT:

EYE PROTECTION - Safety goggles or glasses with side shields.

CLOTHING - Long-sleeved shirt and long pants, Chemical-resistant footwear plus socks

GLOVES - Chemical-resistant gloves, such as barrier laminate, butyl rubber, nitrile rubber, neoprene rubber, natural rubber, polyvinyl chloride (PVC), viton

RESPIRATOR – Not required when handled under normal conditions. When handling in enclosed areas with inadequate ventilation, use a dust/mist filtering respirator (MSHA/NIOSH approval number prefix TC-21C)

Discard clothing and other absorbent materials that have been heavily contaminated with this product. Do not reuse them. Follow manufacturer's instructions for cleaning and maintaining PPE. If no such instructions for washables, use detergent and hot water. Keep and wash PPE separately from other laundry.

USER SAFETY RECOMMENDATIONS:

1. Wash hands before eating, drinking, chewing gum, using tobacco or using the toilet.
2. Remove clothing immediately if pesticide gets inside. Then wash thoroughly and put on clean clothing.
3. Remove PPE immediately after handling this product. Wash the outside of gloves before removing. As soon as possible, wash thoroughly and change into clean clothing.

SECTION 9 - PHYSICAL AND CHEMICAL PROPERTIES

Appearance:	Dark Orange Or Brownish-Colored, Viscous Liquid,
Odor:	woody, sweet, and spicy
pH:	N.A
Melting Point:	Not applicable
Boiling Point:	No data
Flash Point:	>100°C
Evaporation Rate:	No data
Flammability:	Not flammable
Flammability Limits:	Not applicable
Vapor Pressure:	Not applicable
Vapor Density:	Not applicable
Density:	0,96 g /cm ³
Solubility:	No data
Partition Coefficient:	Not Applicable
Auto-Ignition Temperature:	No data
Decomposition Temperature:	No data
Viscosity:	Not Applicable

*Listed density is an approximate value and does not necessarily represent that of a specific batch.

SECTION 10 - STABILITY AND REACTIVITY

PRODUCT REACTIVITY: Non-reactive

CHEMICAL STABILITY: Stable under normal conditions, however may decompose if heated.

HAZARDOUS POLYMERIZATION: Product will not undergo polymerization

CONDITIONS TO AVOID: Avoid temperatures above 100°F (38°C) for prolonged period of time. Strong exothermic reaction can occur above 200°F (100°C)

INCOMPATIBLE MATERIALS: None known

HAZARDOUS DECOMPOSITION PRODUCTS: Hydrogen cyanide, Hydrogen chloride, Carbon monoxide, Nitrogen oxides.

SECTION 11 - TOXICOLOGICAL INFORMATION



ZURI ESSENTIAL OIL MATERIAL SAFETY DATA SHEET

Page 4 of 5

Acute toxicity data from similar formulation

ACUTE TOXICITY:

Oral LD ₅₀ (rat)	- N.A
Dermal LD ₅₀ (rat)	- N.A
Inhalation LC ₅₀ (rat)	- N.A
Eye Irritation (rabbit)	- N.A
Skin Irritation (rabbit)	- N.A
Sensitization (guinea pig)	- N.A

CARCINOGEN STATUS:

OSHA	- Not listed
NTP	- Not listed
IARC	- Not listed

TERATOGENICITY: No reproductive or teratogenic (birth defect) effects at normal exposure levels.

MUTAGENICITY: Little or no evidence of mutagenic effects during in vivo or in vitro studies.

SECTION 12 - ECOLOGICAL INFORMATION

ENVIRONMENTAL SUMMARY: This product is highly toxic to birds and aquatic invertebrates. For terrestrial uses, do not apply directly to water, or to areas where surface water is present or to intertidal areas below the mean high water mark. Do not contaminate water when disposing of equipment wash waters. Cover or incorporate spilled treated seeds.

This product is highly toxic to bees exposed to direct treatment or residues on blooming crops or weeds. Do not apply this product or allow it to drift to blooming crops or weeds if bees are visiting the treatment area.

FATE: Imidacloprid has a soil $\frac{1}{2}$ life of 29 - 225 days depending on soil type and conditions. It is soluble in water and has the potential to leach in permeable soil types.

FISH TOXICITY: (Technical)

96 hour LC ₅₀ , Rainbow trout	- N.A
96 hour LC ₅₀ , Bluegill	- unknown

AVIAN TOXICITY: (Technical)

Oral LC ₅₀ , Bobwhite quail	- N.A
Oral LC ₅₀ , Mallard duck	- N.A

BEE TOXICITY:

Contact	- N.A
---------	-------

Refer to product label for specific directions on pollinator protection.

SECTION 13 - DISPOSAL CONSIDERATIONS

Do not contaminate water, food or feed by storage or disposal.

WASTE: Pesticide wastes are toxic. Dispose of in accordance with applicable Federal, state and local laws and regulations.

CONTAINER: Non-refillable containers: Do not reuse or refill this container. Offer for recycling, if available. Triple rinse or pressure rinse container (or equivalent) promptly after emptying. Refillable container: Refill this container with pesticide only. Do not reuse this container for any other purpose. Cleaning the container before final disposal is the responsibility of the person disposing of the container. Cleaning before refilling is the responsibility of the refiller.



ZURI ESSENTIAL OIL MATERIAL SAFETY DATA SHEET

Page 5 of 5

Refer to the container label to determine if it is refillable and for complete cleaning and disposal instructions.

SECTION 14 - TRANSPORT INFORMATION

SHIPPING DESCRIPTION: Not regulated by DOT for ground transport

TRANSPORT HAZARD CLASS: N/A
UN NUMBER: N/A
DOT PACKING GROUP: N/A

SECTION 15 - REGULATORY INFORMATION

CERCLA REPORTABLE QUANTITY: Not listed

SARA TITLE III STATUS:
311/312 Hazard Categories – Immediate Health Hazard
313 Toxic Chemicals – None known

CALIFORNIA PROP 65: Not listed

TSCA: This product is exempted from TSCA because it is solely for FIFRA regulated use.

SECTION 16 - OTHER INFORMATION

HMIS HAZARD RATINGS	HEALTH	1
	FLAMMABILITY	1
	PHYSICAL HAZARD	1
	4=Severe 3=Serious 2=Moderate 1=Slight 0=Minimal	

DISCLAIMER: The information contained in this data sheet represent the best information currently available to us.

The complete range of condition or methods of use are beyond our control therefore we do not assume any use if this product, information on contained herein is believed to be true and accurate however, all statement or suggestion are made without warranty, expressed or implied, regarding accuracy of the information, the hazards connected with the use of material or result to be obtained from the use thereof. Compliance with all applicable federal, state and local laws and local regulation remain the responsibility of user.

This safety data sheet cannot cover all possible situation which the user may experience during processing during processing. Each aspect of your operation should be examined to determinate if, or where additional precautions may necessary.

All health and safety information contained in this bulletin should not be provided to your employees or customers.

REVISED DATE:
REFERENCE: