

1. PRODUCT AND COMPANY IDENTIFICATION

| | | |
|------------------------|---|----------------------------------------------------------|
| Product name | : | Patchouli Organic Essential Oil |
| Botanical name | : | Pogostemon cablin |
| INCI name | : | Pogostemon Cablin Leaf Oil |
| CAS # | : | 8014-09-3 / 84238-39-1 |
| Country of Origin | : | India |
| Product use | : | Domestic and Industrial |
| Supplier | : | New Directions Aromatics Inc. |
| Address | : | 6781 Columbus Road, Mississauga, Ontario, CANADA L5T 2G9 |
| Fax | : | 905-362-1926 |
| Telephone number | : | 905-362-1915 |
| Emergency phone number | : | (613)-996-6666 CANUTEC 24 HOUR EMERGENCY |

2. HAZARDS IDENTIFICATION

Emergency Overview

GHS Classification

Aspiration Hazard - Category 1

Skin corrosion/irritation - Category 3

Serious eye damage/eye irritation - Category 2A

Hazardous to aquatic environment - Acute - Category 2

Hazardous to the aquatic environment, long-term hazard - Category 2

GHS Label elements, including precautionary statements



Signal: Danger

Hazard statement(s)

| | |
|------|--------------------------------------------------|
| H304 | May be fatal if swallowed and enters airways. |
| H316 | Causes mild skin irritation. |
| H317 | May cause an allergic skin reaction. |
| H401 | Toxic to aquatic life. |
| H411 | Toxic to aquatic life with long-lasting effects. |

Precautionary statement(s)

| | |
|------|------------------------------------------------------------------------------------------------|
| P210 | Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking. |
|------|------------------------------------------------------------------------------------------------|

| | |
|----------------|----------------------------------------------------------------------------------------------------------------------------------|
| P240 | Ground/bond container and receiving equipment. |
| P241 | Use explosion-proof electrical/ventilating/lighting/equipment. |
| P242 | Use only non-sparking tools. |
| P272 | Contaminated work clothing should not be allowed out of the workplace. |
| P273 | Avoid release to the environment. |
| P280 | Wear protective gloves/protective clothing/eye protection/face protection. |
| P301+P310 | IF SWALLOWED: Immediately call a POISON center or doctor/physician. |
| P303+P361+P353 | IF ON SKIN (or hair): Take off immediately all contaminated clothing. Rinse skin with water/ shower. |
| P305+P351+P338 | IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses if present and easy to do – continue rinsing. |
| P333+P313 | If skin irritation or a rash occurs: Get medical advice/attention. |
| P337+P313 | If eye irritation persists get medical advice/attention. |
| P370 | In case of fire: Use extinguishing media listed in Section 5 of the SDS to extinguish. |
| P403+P235 | Store in a well ventilated place. Keep cool. |
| P405 | Store locked up. |
| P501 | Dispose of contents/container according to local regulations. |

3. COMPOSITION / INFORMATION INGREDIENTS

| Product Name | CAS NO | EC NO | Concentration |
|----------------------------|------------------------|-----------|---------------|
| Pogostemon Cablin Leaf Oil | 8014-09-3 / 84238-39-1 | 282-493-4 | 100 % |

4. FIRST AID MEASURES

Eye contact

Immediately flush eyes with plenty of cool water for at least 15 minutes. Get medical attention if irritation occurs.

Skin contact

Remove contaminated clothing. Wash area with soap and water. If irritation occurs, get medical attention.

Inhalation

If inhaled, removed to fresh air. Get medical attention if symptoms appear.

Ingestion

Seek medical attention or contact local poison control center.

5. FIRE FIGHTING MEASURES

Suitable extinguishing media

Foam. Dry Powder. Carbon dioxide, Water spray.

Unsuitable extinguishing media

Water spray, water jet.

Special protective equipment and precautions for fire-fighters

Wear proper protective equipment. Exercise caution when fighting any chemical fire. Use water spray or fog for cooling exposed containers.

Special hazards arising from the substance or its combustible products

Hazardous decomposition products may be formed at extreme heat or if burned.

Resulting gases

Carbon oxides.

6. ACCIDENTAL RELEASE MEASURES

Personal precautions, protective equipment and emergency procedures.

Equip clean crew with proper protection. Respiratory protection equipment may be necessary.

Environmental precautions

Prevent entry to sewers and public waters. Notify authorities if product enters sewers or public waters.

Methods and materials for containment and cleaning up

Clean up any spills as soon as possible, using an absorbent material to collect it. Use suitable disposal containers.

7. HANDLING AND STORAGE

Precautions for safe handling

No direct lighting. No smoking. Ensure prompt removal from eyes, skin and clothing. Wash hands and other exposed areas with mild soap and water before eating, drinking or smoking and when leaving work. Handle in accordance with good industrial hygiene and safety procedures.

Conditions for safe storage, including any incompatibilities

Provide local exhaust or general room ventilation to minimize dust and/or vapour concentrations. Keep container closed when not in use.

8. EXPOSURE CONTROLS AND PERSONAL PROTECTION

Eyes

Use tightly sealed goggles.

Skin

If skin contact or contamination of clothing is likely, protective clothing should be worn. Use protective gloves.

Respiratory

In case of insufficient ventilation, wear suitable respiratory equipment.

9. PHYSICAL AND CHEMICAL PROPERTIES

| | | |
|------------------|---|--------------------------------------------------|
| Appearance | : | Golden orange to dark reddish brown liquid. |
| Odor | : | Characteristic woody balsamic odor. |
| Flash point | : | >125°C |
| Relative density | : | 0.950 to 0.975 @ 25 °C |
| Solubility (ies) | : | Soluble in alcohol and oils. Insoluble in water. |
| Refractive index | : | 1.5020 to 1.5140 @ 20 °C |
| Optical rotation | : | -40 ° to -60° |

10. STABILITY AND REACTIVITY

Reactivity

This material presents no significant reactivity hazard.

Chemical stability

Chemically stable.

Possibility of hazardous reactions

Hazardous polymerization will not occur.

Conditions to avoid

Avoid sparks, flame and other heat sources.

Incompatible materials

Strong oxidizing agents.

Hazardous decomposition products

Carbon monoxide. oxides of nitrogen, oxides of sulfur, carbon dioxide.

11. TOXICOLOGICAL INFORMATION

Chronic toxicity

May cause allergic reactions on skin.

Inhalation

Inhalation of high concentrations of vapor may result in irritation of eyes, nose and throat, headache, nausea, and dizziness.

Skin contact

Adverse skin effects should be prevented by normal care and personal hygiene.

Eye contact

Possible irritation should be prevented by wearing safety glasses.

Ingestion

May be harmful if swallowed.

12. ECOLOGICAL INFORMATION

Ecotoxicity

Avoid any pollution of ground, surface or underground water.

Persistence and degradability

Not available.

Bio - accumulative potential

Not available.

Mobility in soil

Not available.

Other adverse effects

Not available.

13. DISPOSAL CONSIDERATION

Dispose of product in accordance with local, state or provincial and federal regulations. Check with local municipal authority to ensure compliance.

14. TRANSPORT INFORMATION

UN Number

3082

UN proper shipping name

Environmentally hazardous substance, liquid, n.o.s. (Patchouli oil)

Transport hazard class

9

Packing group

III

US DOT Shipping Description (Land)

3082

Proper shipping name

Environmentally hazardous substance, liquid, n.o.s. (Patchouli oil)

Class

9

Packaging group

III

IMO-IMDG Shipping Description (Sea)

3082

Proper shipping name

Environmentally hazardous substance, liquid, n.o.s. (Patchouli oil)

Class

9

Packaging group

III

IMDG-Marine pollution

Yes.

IATA Shipping Description (Air)

3082

Proper shipping name

Environmentally hazardous substance, liquid, n.o.s. (Patchouli oil)

Class

9

Packaging group

III

Emergency action in case of accident

Notify police and fire department immediately

15. REGULATORY INFORMATION

GHS Hazard Statements

Please refer to section 2.

GHS Precautionary Statements

Please refer to section 2.

16. OTHER INFORMATION

Revision date : April 22,2022

Disclaimer & Caution

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