

Material Safety Data Sheet Calamus oil

SECTION 1.1 – PRODUCT IDENTIFICATION

Product Name	:	Calamus oil
Molecular Formula	:	Not applicable
Molecular Weight	:	Not applicable
CAS No.	:	8015-79-0

SECTION: 1.2 COMPANY IDENTIFICATION

Company Name: Indenta Chemicals (India) Pvt. Ltd.

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SECTION 2: COMPOSITION / INFORMATION ON INGREDIENTS

Name	CAS #	% by Weight
Calamus oil	8015-79-0	100

Toxicological Data on Ingredients: No Data Available

SECTION 3: HAZARD IDENTIFICATION

Routes of Entry Eyes Skin Inhalation Ingestion

In case of skin contact (irritant), of eye contact (irritant), of ingestion, of inhalation.

- Inflammation of the eye is characterized by redness, watering, and itching.
- Skin inflammation is characterized by itching, scaling, reddening, or, occasionally, blistering. Note: This liquid should not be used as a fragrance ingredient at a level over 1% in a compound when skin contact is possible.

SECTION 4: FIRST AID MEASURES

If inhaled

Avoid gross inhalation of fumes. Remove to fresh air

Serious Inhalation

Evacuate the victim to a safe area as soon as possible. Loosen tight clothing such as a collar, tie, belt or waistband. If breathing is difficult, administer oxygen. If the victim is not breathing, perform mouth-to-mouth resuscitation.

In case of skin contact

Remove contaminated clothing. Wash with soap and flush with

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plenty of water. Cover affected skin with an emollient.

In case of eye contact

Remove contact lenses if applicable. Flush with plenty of water or eye wash solution for 15 minutes.

If swallowed

Drink water or milk to dilute and contact poison control center or seek medical attention immediately.

Note

If irritation persists seek medical attention and show the label of the container

SECTION 5: FIRE AND EXPLOSION DATA

Flammability

Non Flammable

Flash Point (Method Used)

>100Deg Close Cup

Extinguishing Media

Dry Chemical, Carbon Dioxide, Foam

Note

Do not use water jet.

Special Firefighting Procedures

Fire fighters should wear positive pressure self-contained breathing apparatus. Cool containers exposed to flame with water spray. Spray extinguishing media directly into base of fire.

Unusual Fire & Explosion Hazards

None

Hazardous Decomposition Materials

CO, CO₂, smoke and unidentified organic compounds may be formed during combustion.

SECTION 6: ACCIDENTAL RELEASE MEASURES

Personal Protection :

Wear a NOISH approved respirator. Avoid ingestion or contact with skin and eyes.

Follow good industrial practice as to housekeeping, personal hygiene and avoidance of prolonged or repeated contact with the skin or eyes.

Wear eye protection, gloves and aprons. Ventilate area well.

Methods for Cleaning Up :

Eliminate all sources of ignition

Ventilate area

Prevent liquid from entering sewers

Small spills can be wiped up with paper rags (place in closed metal waste container)

Large spills can be absorbed on to non-flammable absorbent.

Wash area with soap and water.

SECTION 7: HANDLING AND STORAGE

Handling

Safe Handling :

Avoid ingestion or contact with skin and eyes.

Follow good industrial practice as to housekeeping, personal hygiene and avoidance of prolonged or repeated contact with the skin or eyes.

Wear eye protection, gloves and aprons. Ventilate area well.

Storage

Requirements for Storage Areas and Containers :

Flammable materials should be stored in a separate safety storage cabinet or room. Keep away from heat. Keep away from sources of ignition. Keep container tightly closed. Keep in a cool, well-ventilated place. Ground all equipment containing material. Keep container dry. Keep in a cool place.

SECTION 8: EXPOSURE CONTROL / PERSONAL PROTECTION

Threshold Limit Value :

Not established

OSHA Permissible Limit :

Not established

Engineering Controls :

Provide exhaust ventilation or other engineering controls to keep the air borne concentrations of vapors below their respective threshold limit value. Ensure that eyewash stations and safety showers are proximal to the work-station location.

Work Practice Controls :

Personal hygiene is an important work practice exposure control measure and the following general measures should be taken when working with or handling this material:

- (1) Do not store, use, and/or consume foods, beverages, tobacco products, or cosmetics in areas where this material is stored.
- (2) Wash hands and face carefully before eating, drinking, using tobacco, applying cosmetics, or using the toilet.
- (3) Wash exposed skin promptly to remove accidental splashes or contact with this material.

Respiratory	: Avoid casual breathing of vapors
Ventilation	: Local, mechanical exhaust in recommended
Eye	: OSHA approved safety glasses
Skin	: Wear chemical resistant gloves and clothing to avoid skin contact

SECTION 9: PHYSICAL AND CHEMICAL PROPERTIES

9.1 Information on basic physical and chemical properties

a) Appearance	Form: Liquid Color: Colorless to pale yellow
b) Odor	Characteristic of Calamus
c) Odor Threshold	No data available
d) pH	No data available

e) Melting point/freezing point	No data available
f) Initial boiling point and boiling range	No data available
g) Flash point	No data available
h) Evaporation rate	No data available
i) Flammability (solid,gas)	No data available
j) Upper/lower flammability or explosive limits	No data available
k) Vapor pressure	No data available
l) Vapor density	No data available
m) Relative density	No data available
n) Water solubility	Insoluble in Water
o) Partition coefficient: n-octanol/water	No data available
p) Autoignition temperature	No data available
q) Decomposition temperature	No data available
r) Viscosity	No data available
s) Explosive properties	No data available
t) Oxidizing properties	No data available
u) Specific Gravity (H ₂ O = 1)	0.940-0.980
v) Refractive Index	1.545 – 1.555

9.2 Other safety information

No data available

SECTION 10: STABILITY AND REACTIVITY

Stability :

This material is stable under normal conditions.

Incompatibility (Materials to Avoid) :

Avoid contact with strong oxidizing agents and avoid hot work and sources of ignition on or near empty containers.

Conditions to avoid :

Avoid contact with sparks, flame and heat.

Hazardous Decomposition or Byproducts :CO, CO₂, smoke and unidentified organic compounds may be formed during combustion.**Hazardous Polymerization :**

Will Not Occur

SECTION 11: TOXICOLOGICAL INFORMATION

CAUTION

Liquid may be irritating to eyes, skin, mucous membranes.

Toxicity

N/A

Chronic Effects on Humans :

Not available

Other Toxic Effects on Humans :

Hazardous in case of skin contact (irritant, permeator), of inhalation.

Listed as a Carcinogen :

No

SECTION 12: ECOLOGICAL INFORMATION

No information. This is a complex mixture there for which no environmental criteria available.

SECTION 13: DISPOSAL CONSIDERATION

Waste disposal methods

There should be no product residues. Dispose according to local, state and Federal regulations.

Precautions :

Prevent surface contamination of soil, ground and surface water.

SECTION 14: TRANSPORT INFORMATION

DOT Hazard Classification :

NA

Identification :

NA

SECTION 15: OTHER REGULATORY INFORMATION

R phrases

R38 : Irritating to skin
 R36 : Irritating to eyes
 R43 : May cause sensitization by skin contact.

Safety Phrases

S7 : Keep container tightly closed.
 S16 : Keep away from source of ignition
 S24/25 : Avoid contact with skin and eyes.
 FDA no : 182.2
 FEMA no : NA
 HS Code : 33019090

SECTION 16: ADDITIONAL INFORMATION

This information is provided for documentation purposes only.

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