Material Safety Data Sheet

Product Name	Chaulmoogra Oil Virgin
Botanical Name	*Hydnocarpus wightiana*
INCI Name	Hydnocarpus wightiana (Chaulmoogra) Oil
CAS Number	8001-74-9
Origin	India
Plant Part Used	Seeds
Extraction Method	Cold Pressed
Product Quality	100% Pure and Natural
Recommended Use	Cosmetic and personal care raw material

Supplier

Botanic Planet Canada Inc.
2 Bram Court, Unit #3
Brampton, ON L6W 3R6, Canada
Emergency Telephone: (613)-996-6666 CANUTEC 24 HOUR EMERGENCY.

SECTION 2: HAZARDS IDENTIFICATION

GHS Classification: Not established from the supplied information.
Signal Word: Not Required
Hazard Statements:
Potential Health Effects:

- Eye Contact: May cause temporary irritation.
- Skin Contact: May cause irritation in sensitive individuals.
- Inhalation: Avoid breathing oil mist.
- Ingestion: Not intended for consumption.

Precautionary Measures:

- Avoid contact with eyes.
- Wear suitable protective gloves and safety glasses when handling bulk quantities.
- Keep out of reach of children.
- Avoid unnecessary environmental release.

SECTION 3: COMPOSITION / INFORMATION ON INGREDIENTS

Chemical Description: Natural fixed oil obtained by cold pressing the seeds of *Hydnocarpus wightiana*.

Ingredient	CAS Number	Composition

Chaulmoogra Oil	8001-74-9	100% natural oil, as supplied

Typical Fatty Acid Specifications

Fatty Acid	Specification (%)
Myristic Acid (C14:0)	Maximum 1.00
Palmitic Acid (C16:0)	4.00–12.00
Palmitoleic Acid (C16:1, n-7)	4.00–10.00
Oleic Acid (C18:1, n-9)	3.00–8.00
Linoleic Acid (C18:2, n-6)	1.00–3.00
Hydnocarpic Acid	15.00–30.00
Chaulmoogric Acid	20.00–40.00
Gorlic Acid	20.00–35.00

SECTION 4: FIRST AID MEASURES

Eye Contact: Rinse cautiously with clean water for at least 15 minutes. Remove contact lenses if present and easy to do. Seek medical attention if irritation persists.
Skin Contact: Wash with soap and water. Discontinue exposure if irritation occurs.
Inhalation: Move the affected person to fresh air. Seek medical attention if symptoms develop.
Ingestion: Rinse mouth. Do not induce vomiting unless directed by a medical professional. Contact a poison control centre or physician.

SECTION 5: FIRE-FIGHTING MEASURES

Suitable Extinguishing Media:

- Carbon dioxide (CO_2)
- Dry chemical powder
- Foam
- Water fog for cooling surrounding containers

Unsuitable Extinguishing Media: Avoid direct high-pressure water jets on burning oil.
Specific Fire Hazards: Burning organic oils may generate carbon monoxide, carbon dioxide, smoke and irritating fumes.
Protective Equipment: Firefighters should wear appropriate protective clothing and self-contained breathing apparatus.
Flash Point: Not determined.

SECTION 6: ACCIDENTAL RELEASE MEASURES

Personal Precautions: Wear suitable protective equipment. Spilled oil may create slippery surfaces.
Environmental Precautions: Prevent large quantities from entering drains, soil or waterways.
Cleaning Procedures: Absorb with sand, vermiculite or another inert absorbent material. Transfer into suitable containers for disposal. Clean the affected surface thoroughly.

SECTION 7: HANDLING AND STORAGE

Handling:

- Avoid direct eye contact and prolonged skin exposure.

- Use appropriate protective equipment when handling bulk quantities.
- Maintain good industrial hygiene practices.
- Avoid unnecessary heating.

Storage:

- Store in tightly closed containers.
- Keep in a cool, dry, well-ventilated area.
- Protect from direct sunlight and excessive heat.
- Keep away from strong oxidizing agents.

SECTION 8: EXPOSURE CONTROLS / PERSONAL PROTECTION

Parameter	Recommendation
Occupational Exposure Limits	Not established for the product
Engineering Controls	General ventilation
Eye Protection	Safety glasses or chemical splash goggles
Hand Protection	Suitable chemical-resistant gloves
Skin Protection	Appropriate protective clothing
Respiratory Protection	Normally not required for routine handling; assess exposure if mist is generated
Hygiene Measures	Wash hands after handling

SECTION 9: PHYSICAL AND CHEMICAL PROPERTIES

Property	**Specification / Result**
Physical State	Viscous liquid
Appearance	Pale yellow coloured liquid
Odour	Characteristic mild odour
Refractive Index @ 20°C	1.474
Specific Gravity @ 20°C	0.955 g/mL
Saponification Value	198 mg KOH/g
Peroxide Value	Less than 5.0 meq O_2/kg (conforms)
Iodine Value	101 g I_2/100 g
Water Solubility	Insoluble
Oil Solubility	Soluble in cosmetic esters and fixed oils
Flash Point	Not determined
Boiling Point	Not determined
Vapour Pressure	Not determined
pH	Not applicable to an anhydrous oil

SECTION 10: STABILITY AND REACTIVITY

Chemical Stability: Expected to be stable under recommended storage conditions.
Conditions to Avoid: Excessive heat, prolonged exposure to air and direct sunlight.
Incompatible Materials: Strong oxidizing agents.
Hazardous Decomposition Products: Carbon monoxide, carbon dioxide and other combustion products may form when heated to decomposition.
Hazardous Polymerization: No information available.

SECTION 11: TOXICOLOGICAL INFORMATION

Acute Toxicity: Product-specific data not available.
Skin Irritation: May cause irritation in sensitive individuals.
Eye Irritation: Direct contact may cause temporary irritation.
Skin Sensitization: Data not available.
Carcinogenicity: Product-specific data not available.
Mutagenicity: Product-specific data not available.
Reproductive Toxicity: Product-specific data not available.
Ingestion: Not intended for internal use. Seek medical advice if swallowed.

SECTION 12: ECOLOGICAL INFORMATION

Ecotoxicity: Product-specific data not available.
Persistence and Degradability: Not determined.
Bioaccumulative Potential: Not determined.
Mobility in Soil: Not determined.
Environmental Precautions: Avoid uncontrolled release into drains and natural waterways.

SECTION 13: DISPOSAL CONSIDERATIONS

Dispose of unused product, contaminated absorbents and packaging according to applicable municipal, provincial and federal regulations.
Do not discharge bulk quantities into drains or waterways.

SECTION 14: TRANSPORT INFORMATION

Transport Information	Status
UN Number	Not determined
Proper Shipping Name	Not determined
Transport Hazard Class	Not determined
Packing Group	Not determined
Marine Pollutant	Not determined
TDG / IMDG / IATA Classification	Requires verification

SECTION 15: REGULATORY INFORMATION

Canadian WHMIS Classification: Not established from available product information.

GHS Classification: Requires product-specific hazard assessment. Cosmetic Use: Intended as a raw material for cosmetic and personal care applications, subject to finished-product safety evaluation. Regulatory Responsibility: Users must ensure compliance with all applicable Canadian federal and provincial requirements.

SECTION 16: OTHER INFORMATION

Product: Chaulmoogra Oil

This product is a 100% pure and natural. It does not contain any artificial ingredients or adulteration of any kind to the best of our knowledge and specifications. The analysis and statements herein constitute the most complete information available to Botanic Planet Canada Inc. Please refer to all relevant technical information specific to the product, prior to use. This information contained in this material safety Data sheet is obtained from current and reliable sources. As an ordinary or otherwise user(s) of this product is outside the control of Botanic Planet Canada Inc., no representation or warranty, expressed or implied is made as to the effect(s) of such use (s) (including damages or injury) or any obtained. Botanic Planet Canada Inc. expressly disclaims responsibility as to the ordinary or otherwise uses. Furthermore, Botanic Planet Canada Inc. makes no claims as to the fitness for any use, and you should consider nothing container herein as a recommendation. The Liability of botanic Planet Canada Inc. is limited to the value of the goods and does not include any consequential loss. In the event of any dispute, the Customer hereby agrees that Jurisdiction is limited to the province of Ontario Canada.