Safety Data Sheet

Section I
Product Identification

<table>
<thead>
<tr>
<th>Product Name: Magnolia Flower Oil</th>
<th>Method of Cultivation: Conventional</th>
</tr>
</thead>
<tbody>
<tr>
<td>Botanical Name: <em>Michelia alba syn. Michelia longifolia</em></td>
<td>Country of Origin: France</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>H-No.: Not available.</th>
<th>CAS No.: 92457-18-6</th>
</tr>
</thead>
<tbody>
<tr>
<td>CoE No.: Not available.</td>
<td>FEMA: 3950</td>
</tr>
<tr>
<td>FDA: Not available.</td>
<td>IFRA: Not restricted</td>
</tr>
<tr>
<td>RIFM: Not available.</td>
<td>EINECS: Not available.</td>
</tr>
</tbody>
</table>

Chemical Name: Magnolia Flower Oil

Botanical Origin: Not available.

Relevant Identified Uses: This product is intended for use as an ingredient for perfumery or similar.

Section II
Hazard(s) Identification

<table>
<thead>
<tr>
<th>Health: 1 - Extreme</th>
<th>Flammability: 2 - High</th>
<th>Reactivity: 0 - Slight</th>
<th>Personal Protection: B</th>
</tr>
</thead>
</table>

Classification

According to Directive 67/548/CEE or (1999/45/CE):

The toxicological properties of this material have not been fully investigated. May cause eye & skin irritation. May cause respiratory & digestive tract irritation.
Classification

According to Regulation (EC 1272/2008):

Human health: The toxicological properties of this material have not been fully investigated. May cause eye & skin irritation. May cause respiratory & digestive tract irritation.

Risk Phrases:

R43: May cause sensitization by skin contact.
R65: Harmful: May cause lung damage if swallowed.

Prevention:

P210: Keep away from heat/sparks/open flames/hot surfaces. – No Smoking.
P273: Avoid release into the environment.
P280: Wear protective gloves/protective clothing/eye protection/face protection.
P301+P310: IF SWALLOWED: Immediately call a POISON CENTER or Doctor/Physician.
P370+P378: In case of fire: Use foam or dry powder for extinction.

Intervention:

P302+P352: IF ON SKIN: Wash with plenty of soap & water.
P333+P313: If skin irritation or rash occurs: Get medical advice/attention.
P337+P313: If eye irritation persists: Get medical advice/attention.
P362: Take off contaminated clothing.
P363: Wash contaminated clothing before reuse.

Elimination:

P501: Dispose of contents/container to a collection of special or hazardous waste.

Section III

Composition Information/Information on Ingredients

Chemical Name: Magnolia Flower Oil
CAS No.: 92457-18-6 EINECS: Not available.

Concentration range of the constituent (% weight/weight):
Not available.

Classification UN-GHS: Not available.
Section IV
First-Aid Measures

Inhalation: Remove from exposure site to fresh air. Keep at rest. If breathing has stopped, administer artificial respiration & oxygen if available. Contact a physician if necessary.

Eye Contact: Flush immediately with clean water for at least 10 minutes. Contact a physician if irritation persists.

Skin Contact: Remove any contaminated clothing or shoes. Wash affected areas thoroughly with soap & water for at least 15 minutes, & flush with plenty of water. If irritation persists, seek medical advice.

Ingestion: Rinse mouth out with water. Do NOT induce vomiting. Seek medical advice immediately.

Most important symptoms & effects, both acute & delayed:
- Symptoms on Inhalation: Choking, drowsiness, respiratory disruptions.
- Symptoms on Eye Contact: Irritation, reddening.
- Symptoms on Skin Contact: Irritation, stinging.
- Symptoms on Ingestion: Queasiness, stomach aches.

Other: When assessing action, please take Risk & Safety Phrases into account.

Section V
Fire-Fighting Measures

Extinguishing media Recommended:
Use C02, Dry Powder, or Foam type Extinguishers – spraying extinguishing media to the base of the flames. Do NOT use direct water jet on burning material.

Special measures: Avoid vapor inhalation. Do not inhale fire fumes or gases. Keep away from sources of ignition. Do not smoke. Wear a positive pressure self contained breathing apparatus & protective clothing. Cool down other threatened recipients with pulverized water.

Extinguishing Procedures: Closed containers may build up pressure when exposed to heat & should be cooled with water spray.
Section VI
Accidental Release Measures

Personal Precautions: Avoid inhalation & direct contact with skin & eyes. Use individual protective equipment (safety glasses, protective gloves, waterproof boots, suitable proactive clothing) in case of major spillages. Provide adequate ventilation.

Environmental Precautions: To avoid possible contamination of the environment; do not discharge into any drains, surface waters, or ground waters.

Cleaning up methods for Spillage: Cover with an inert, inorganic, non-combustible absorbent material (e.g. dry-lime, sand, soda ash). Place in covered containers using non-sparking tools & transport outdoors. Avoid open flames or sources of ignition (e.g. pilot lights on gas hot water heater). Ventilate area & wash spill site after material pickup is complete. Dispose of in accordance with current laws & regulations.

Section VII
Handling & Storage

Precautions in Handling: Apply good manufacturing practices & industrial hygiene practices, ensuring proper ventilation. Observe good personal hygiene & do not eat, drink, or smoke whilst handling. Keep away from all ignition sources. Wash hands after use.

Storage Conditions: Store in tightly closed original container, in a cool, dry, & well ventilated area away from sources of ignition & protected from light. Keep air contact to a minimum. Stock accordingly to local/national regulations, following given precautions.

Fire Protection: Keep away from ignition sources & naked flames. Take precautions to avoid static discharges in working area.

Section VIII
Exposure Controls/Personal Protection

Exposure Control: To avoid eye & mucous membrane projection & according to the working area organization – wearing eye glasses & gloves is recommended.
Respiratory Protection: Avoid excessive inhalation of concentrated product vapor. Apply local ventilation where possible. Use personal breathing apparatus whenever deemed necessary.

Ventilation: The areas where the product is handled & stored should be adequately ventilated.

Skin Protection: Avoid contact with skin. Compatible chemical-resistant gloves are recommended. Wash contaminated gloves before reuse.

Eye Protection: Chemical safety goggles are recommended. Wash contaminated goggles before reuse.

Work/Hygiene Practices: Wash hands with soap & water after handling. Adapted personal protective equipment is advised.

Containers: Do NOT re-use empty containers. Quickly get clear of sponges, wovens, … ect, used to absorb the product. Keep away from food & drink.

Section IX
Physical & Chemical Properties

Appearance: Liquid
Color: Yellow orange.
Odor: Light, fruity floral note.
Odor Threshold: Not available.
Vapor Density (mmHg): Not available.
Vapor Pressure: Not available.
pH: Not available.
Relative Density (+20 C): 0.8840 – 0.8980
Refractive Index: 1.4600 – 1.4800
Optical Rotation: Not available.
Melting Point/Freezing Point: Not available.
Solubility(ies): Ethanol / Oil / Solvents.
Initial Boiling Point & Boiling Range: Not available.
Flash Point: 21 C (Closed Cup) , 70 F (Closed Cup)
Evaporation Rate: Not available.
Flammability (Solid Gas): Not available.
Upper/Lower Flammability or Exposure Limits: Not available.
Partition Coefficient: n-octanol/water: Not available.
Auto-Ignition Temperature: Not available.
Ebulition Point (C): Not available.
Decomposition Temperature: Not available.
Viscosity: Not available.
Solubility of preparation in water: Insoluble.

Section X
Stability & Reactivity

Reactivity: It presents no significant reactivity hazards by itself, or in contact with water. Avoid contact with strong acids, alkalis, or oxidizing agents.
Decomposition: Liable to cause smoke & acid fumes during combustion: carbon monoxide, carbon dioxide, & other non-identified organic compounds may be formed.
Chemical Stability: Product is stable & will not react violently with water.
Hazardous Reactions: Hazardous reaction will not occur if using conditions & prescriptions as followed.
Conditions to Avoid: Avoid contact or contamination with strong acids, alkalis, or oxidizing agents.
Materials to Avoid: Not relevant.
Hazardous Decomposition Products: Carbon monoxide & other unidentified organic compounds may be formed upon combustion.

Section XI
Toxicological Information

Contains no substances classified as dangerous according to Directive 67/548/EEC.

Acute Toxicity: Not available.
Irritation: Not available.
Sensitization: Not available.
Chronic Exposure: Not available.
Cancerogenicity: Not available.
Mutagenicity: Not available.
Reproduction Toxicity: Not available.
Section XII
Ecological Information

This substance is biodegradable & is unlikely to accumulate in the aquatic environment. Discharge of large quantities into the aquatic environment may kill fish & other aquatic organisms by oxygen depletion.

**Acute Aquatic Toxicity:** Not available.

**Persistence & Degradability:**
Not available.

**Bioconcentration Factor:**
Not available.

**Soil Mobility:**
Not available.

**Results of PBT & vPvB Assessment:**
Not available.

**Other Adverse Effects:** Do not allow the material to enter streams, sewers, or other waterways.

Section XIII
Disposal Considerations

**Release to Atmosphere:** Avoid.

**Release to Surface Water:** Avoid.

**Release into Natural Environment:**
Avoid.

**Destruction of Waste:** Incinerate in accordance with local regulations.

**Treatment of Empty Containers:**
Re-use inadvisable.

**Waste Disposal Methods:**
Place material & absorbent into sealed containers & dispose of in accordance with current applicable laws & regulations.

Section XIV
Transportation Information

Transport the product in accordance with ADR for road transport, RID for rail transport, IMDG for sea transport, & ICAO/IATA for air transport.
UN Number
UN No. (ADR/RID/ADN): Not available.
UN No. (IMDG): Not available.
UN No. (ICAO): Not available.
UN Proper Shipping Name:
Extracts, Aromatic, Liquid

Transport Hazard Class(es)
ADR/RID/ADN Class: Not available.
ADR/RID/ADN Class: Not available.
ADR Label No.: Not available.
IMDG Class: Not available.
ICAO Class/Division: Not available.

Packaging Group
ADR/RID/ADN Packaging Group: Not available.
IMDG Packaging Group: Not available.
ICAO Packaging Group: Not available.

Special Precautions for User
EMS Not available.
Emergency Action Code: Not available.
Hazard No. (ADR): Not available.
Tunnel Restriction Code: Not available.
Marine Pollutant: Not available.

Section XV
Regulatory Information

EU Directives:

Statutory Instruments:

Magnolia Flower Oil France
Revised 06/2015: This document replaces any previously issued document.
**Approved Code of Practice**: Classification & Labeling of Substances & Preparations Dangerous for Supply.

**Guidance Notes**: Workplace Exposure Limits EH40.

**Acronyms**:
- **REACH**: Regulation, Evaluation, Authorization of Chemicals
- **CSR**: Chemical Safety Report
- **IFRA**: International Fragrance Association
- **IOFI**: International Organization of Food Industry
- **ATE**: Acute Toxicity Estimation
- **ES**: Exposure Scenario

**Hazard Statements**:
According to Regulation EC 1272/2008:
- **H317**: May cause an allergic skin reaction.

According to Directive 67/548/EC:
- **R43**: May cause sensitization by skin contact.

**Section XVI**
**Other Information**

Bibliography, data sources: IFRA IOFI Labeling Manuel 2013

Literature references & sources for data:


**Cosmetics Directive 7th Amendment:**
Restrictions may apply. A source of limonene & linalool, listed as sensitizers. Check maximum usage levels for skin care products.

**Conc. % Limits:**
The IFRA recommends that for areas exposed to sunshine, this oil may be limited to a maximum of 0.8% except for bath products, soaps, & other products which are washed off the skin. This restriction is due to the photo-toxic effects of the material.

**PACKAGING:**

<table>
<thead>
<tr>
<th>TYPE</th>
<th>SUITABLITY</th>
</tr>
</thead>
<tbody>
<tr>
<td>Glass</td>
<td>yes</td>
</tr>
<tr>
<td>Lacquer lined steel/tin</td>
<td>yes</td>
</tr>
<tr>
<td>Aluminum</td>
<td>yes</td>
</tr>
<tr>
<td>HPPE</td>
<td>no</td>
</tr>
<tr>
<td>F/HDPE</td>
<td>yes</td>
</tr>
<tr>
<td>Other plastic</td>
<td>no</td>
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</tbody>
</table>

**SHELF LIFE:**
When stored within advised conditions, re-test after 12 months then at 3 monthly intervals up to a maximum shelf life of 36 months.

**Q.C. REQUIREMENTS:**
In- line with general product specification. Always satisfy suitability for specific application. Retest after 6 months.

The data provided in this standard safety data sheet is meant to represent typical data/analysis for this product & is correct to the best of our knowledge. The data was obtained from current & reliable sources, but this data is supplied without warranty, expressed, or implied regarding its correctness or accuracy. It is the user’s responsibility to determine safe conditions for the use of this product & to assume liability for loss, injury, damage, or expense arising from improper use of this product. The information provided does not constitute a contract to supply to any specification, or for any given application, & buyers should seek to verify their requirements & product use.

Magnolia Flower Oil France
Revised 06/2015: This document replaces any previously issued document.