

# Safety Data Sheet (SDS)

## Goldenrod Oil

### 1. Identification

Product identifier: Goldenrod oil

Other means of identification: Essential oil of *Solidago Canadensis*

Recommended use and restrictions on use: Fragrance, Domestic and Industrial

Initial supplier identifier: BoreA (9302-0469 Quebec Inc.)  
3177 Beausejour  
Boisbriand, Quebec  
Canada, J7H 1A4  
Phone: +1-514-910-1812  
Email: info@boreacanada.com

Emergency telephone number (hours of operation): 1 (514) 910-1812 (8:00 to 17:00 East)

### Main components

Component	CAS	Specification
Germacrene-D	37839-63-7	15-32%
a-pinene	80-56-8	12-24%
Limonene	5989-27-5	8-16%
Myrcene	123-35-3	5-19%

### 2. Hazard Identification

**GHS Classification:** FLAMMABLE LIQUID – Category 3  
DERMAL ACUTE TOXICITY – Category 5  
ORAL ACUTE TOXICITY – Category 4  
SKIN IRRITATION – Category 2

### GHS information elements

Hazard pictogram(s):



# Safety Data Sheet (SDS)

## Goldenrod Oil

Signal word: Warning

Hazard statements: H226 – Flammable liquid and vapour  
 H304 – May be fatal if swallowed and enters airways.  
 H315 – Causes skin irritation.  
 H317 – May cause an allergic skin reaction.  
 H319 – Provoque une sévère irritation des yeux.  
 H410 – Very toxic to aquatic life with long lasting effects

### Precautionary statements

Prevention: P210 – Keep away from heat, hot surfaces, sparks, open flames and other ignition sources.  
 No smoking.  
 P273 – Avoid release to the environment.  
 P280 – Wear protective gloves/protective clothing/eye protection/face protection.

Response: P305 + P351 + P338 – IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.  
 P301 + P310 – IF SWALLOWED: Immediately call a POISON CENTER or a doctor.  
 P302/352 – IF ON SKIN: Wash with plenty of soap and water.  
 P331 – Do NOT induce vomiting.  
 P337 + P313 – If eye irritation persists: Get medical advice/attention.  
 P332 + P313 – If skin irritation occurs: Get medical advice/attention.

Storage: P405 – Store locked up.

Disposal: P501 – Dispose of contents and container in accordance with local regulations.

Other known hazards: None known.

### 3. Composition/Information on ingredients

Substance or mixture: Substance

Common name and synonyms: Goldenrod oil,  
 Essential oil of *Solidago Canadensis*

Ingredient	CAS number	Concentration
Goldenrod oil, <i>Solidago Canadensis</i> .	96690-40-3	≤ 100 %

# Safety Data Sheet (SDS)

## Goldenrod Oil

Within the current knowledge of the supplier and in the applicable concentration, no additional ingredient present is classified as hazardous to health or the environment and therefore do not identification in this section.

### 4. First-aid measures

Description of necessary first-aid measures

- Inhalation:** Move exposed person to fresh air. Keep the person warm and at rest. Call a doctor in case of persistence or worsening of adverse health effects. If unconscious, place the person in recovery position and call a physician immediately. Ensure good air circulation.
- Ingestion:** Rinse mouth with water. Move exposed person to fresh air. Keep the person warm and at rest. Do not induce vomiting unless directed by medical personnel. If vomiting occurs, keep head down to prevent the passage of vomit into the lungs. Call a doctor in case of persistence or worsening of adverse health effects. If unconscious, place the person in recovery position and call a physician immediately. Ensure good air circulation
- Skin contact:** Wash with water, change clothes if necessary. If irritation persists, or if you see any skin injuries, consult a doctor.
- Eye contact:**
- Rinse immediately with plenty of vegetable oil by opening large eyes.
  - If possible, lift the upper lid and rinse. If irritation persists or you noticing any injury, consult your ophthalmologist with the product.
  - For contact lens wearers: Flush eyes immediately. The lenses are sure to fall while rinsing. If it does not, remove them after rinsing. Do not reuse.
  - For soft lenses: Laying the lens regardless of the renewal.
  - For hard lenses, they can be reused after a professional cleaning by your ophtamologist

Most important symptoms and effects, whether acute or delayed

For details on the consequences in terms of health and symptoms, see Section 11.

Indication of immediate medical attention and special treatment needed, if necessary

No special treatment. Treat symptomatically. Contact a specialist for treatment of poisoning if large amounts are ingested or inhaled

### 5. Fire-fighting measures

# Safety Data Sheet (SDS)

## Goldenrod Oil

Suitable extinguishing media:	Use dry chemical, CO <sub>2</sub> , water spray (fog) or foam.
Unsuitable extinguishing media:	Do not use water jet or water-based fire extinguishers.
Specific hazards arising from the hazardous product:	In the event of thermal decomposition or fire, vapours potentially dangerous to health may be released.
Hazardous combustion products:	Possible production of toxic fumes in case of fire.
Special protective equipment and precautions for fire-fighters:	Avoid breathing vapors and fumes. Use a mask if necessary. Do not attack the fire with water: the water instead of stifling tends to fuel the fire. Essential oils have the ability to float on water. The fire spread is then accelerated. To extinguish an incipient fire based essential oil, use dry powder-specific ABC (or equivalent). If the fire is not important, it can be smothered by covering with earth, sand or blanket.

### 6. Accidental release measures

Personal precautions, protective equipment and emergency procedures

For non-emergency personnel: Restrict access to area until completion of cleanup. Shut off all ignition sources. No flares, smoking or flames in hazard area. Avoid breathing vapor or mist. Provide adequate ventilation.

For emergency responders: Wear adequate personal protective equipment.

Environmental precautions: Avoid dispersal of spilled material and runoff and contact with soil, waterways, drains and sewers.

Methods and materials for containment and cleaning up

Spill: Limit the spreading of the spillage with non-combustible absorbent material (sand, earth etc). Move containers from spill area. Use spark-proof tools and explosion-proof equipment. Approach release from upwind.

### 7. Handling and storage

# Safety Data Sheet (SDS)

## Goldenrod Oil

Precautions for safe handling:	Use appropriate personal protective equipment. Do not ingest. Avoid contact with eyes, skin and clothing. Avoid breathing vapor or mist. Do not smoke while handling. Keep containers closed when not used.
Advice on general hygiene:	Eating, drinking and smoking in working areas should be prohibited. Wash hands with soap and water before meals and at the end of the work shift. Remove contaminated clothing and protective equipment before entering eating areas.
Conditions for safe storage, including any incompatibilities:	Store in a well-ventilated place. Keep far away from sources of heat, naked flames and sparks and other sources of ignition.

### 8. Exposure controls/Personal protection

Control parameters:	Not available
Appropriate engineering controls:	Emissions from ventilation or work process equipment should be checked to ensure they comply with the requirements of environmental protection legislation.
Individual protection measures:	In order to minimize exposure as far as possible, it is strongly recommended to use adequate individual protective measures, such as: masks suitable for the product, goggles, gloves and overall.

### 9. Physical and chemical properties

Appearance	
Physical state:	Liquid
Colour:	Yellow to pale yellow
Odour:	Characteristic
Odour threshold:	Not available
pH:	Not available
Melting point:	Not available
Freezing point:	Not available
Initial boiling point and boiling range:	Not available
Flash point:	+ 38 °C c.c.
Evaporation rate:	Not available

# Safety Data Sheet (SDS)

## Goldenrod Oil

Upper and lower flammability or explosive limits: Not available

Vapour pressure: Not available

Vapour density: Not available

Relative density: 0.85 – 0.885 g/mL at 20°C

Solubility: Insoluble

Partition coefficient —

n-octanol/water: Not available

Auto-ignition temperature: Not available

Decomposition temperature: Not available

Viscosity: Not available

### 10. Stability and reactivity

Reactivity: This product is stable to shock, vibration and pressure under normal conditions of use. In the presence of light and heat, oxidation can occur.

Chemical stability: No significant changes in the composition in time respecting the storage conditions described in 7.2.

Possibility of hazardous reactions: Under normal conditions of use and storage, hazardous reactions will not occur

Conditions to avoid: Do not heat to high temperature. Do not expose sealed containers in the sun. Keep away from sources of ignition.

Incompatible materials: P.V.C.

Hazardous decomposition products: Under normal conditions of use and storage, hazardous decomposition products should not be produced.

### 11. Toxicological information

#### Acute toxicity:

Not available

**Information on the likely routes of exposure:** Dermal contact. Eye contact. Inhalation. Ingestion.

Symptoms related to the physical, chemical and toxicological characteristics

# Safety Data Sheet (SDS)

## Goldenrod Oil

Inhalation:	Not Available.
Ingestion:	Not Available.
Skin contact:	Cause skin irritation.
Eye contact:	May irritate eyes.

**Delayed and immediate effects, and chronic effects from short-term and long-term exposure:**  
No known significant effects or critical hazards.

**Numerical measures of toxicity:**  
There is no data available

### 12. Ecological information

Ecotoxicity

Product/Ingredient name:	Not applicable
Toxicity:	No data available
Persistence and degradability:	No data available
Bioaccumulative potential:	No data available
Mobility in soil:	No data available
Other adverse effects:	No data available

### 13. Disposal considerations

Disposal methods:	Reuse, when possible. Product residues should be considered special hazardous waste. The hazard level of waste containing this product should be evaluated according to applicable regulations. Disposal must be performed through an authorised waste management firm, in compliance with national and local regulations.
Contaminated packaging:	Contaminated packaging must be recovered or disposed of in compliance with Federal and Provincial waste management regulations.

# Safety Data Sheet (SDS)

## Goldenrod Oil

### 14. Transport information

UN number:	UN1169
Proper shipping name:	EXTRACTS, AROMATIC, LIQUID
Hazard class:	3
Packing group:	III
Environmental hazard:	Not applicable
Special precautions:	Not applicable

### 15. Regulatory information

WHMIS 1988 Classification:	B3 – Combustible liquids D2B - Materials causing other toxic effects
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### 16. Other information

SDS information	
Version:	5
Date (dd/mm/yyyy):	07/01/2020

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