

## Material Safety Data Sheet

### SECTION 1. PRODUCT AND COMPANY IDENTIFICATION

<b>Product name</b>	Tagetes Essential Oil
<b>INCI name</b>	Tagetes Minuta
<b>CAS #</b>	91770-75-1/8016-84-0
<b>Country of Origin</b>	Egypt
<b>EINECS #</b>	294-862-7
<b>Product use</b>	Perfumery/Cosmetic/Industrial
<b>Supplier</b>	Botanic Planet Canada Inc.
<b>Address</b>	2 Bram Crt Unit # 3-4 Brampton, Ontario, Canada
<b>Telephone number</b>	905-455-4444
<b>Emergency phone number</b>	(613)-996-6666 CANUTEC 24 HOUR EMERGENCY

### SECTION 2. HAZARDS IDENTIFICATION

#### Emergency Overview

#### GHS Classification

Flammable liquids - Category 3

Aspiration Toxicity - Category 1

Skin Sensitization - Category 1B

Hazardous to the aquatic environment - Chronic Category 1

#### GHS Label elements, including precautionary statements



#### Hazard statement(s)

H226 Flammable liquid and vapour.

H304 May be fatal if swallowed and enters airways.

H317 May cause an allergic skin reaction.

H410 Very toxic to aquatic life with long-lasting effects

#### Precautionary statement(s)

P102 Keep out of reach of children.

P280 Wear protective gloves/protective clothing/eye protection/face protection.

P273 Avoid release to the environment.

P391 Collect spillage.

P302+P352 IF ON SKIN: Wash with plenty of soap and water.

P312 Call a POISON CENTER or doctor/physician if you feel unwell.

P363 Wash contaminated clothing before reuse.

P270 Do not eat, drink or smoke when using this product.

P273 Avoid release to the environment.

P264 Wash hands thoroughly after handling

P280 Wear protective gloves/protective clothing/eye protection/face protection.

P370+P380 In case of fire: Evacuate area. Fight fire remotely due to the risk of explosion.

P371+P380+P375 In case of major fire and large quantities: Evacuate area. Fight fire remotely due to the risk of explosion.

P381 Eliminate all ignition sources if safe to do so.

P301+P330+P331 IF SWALLOWED: Rinse mouth. Do NOT induce vomiting.

P304+P340 IF INHALED: Remove victim to fresh air and keep at rest in a position comfortable for breathing.

P305+P351+P338 IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.

P306+P360 IF ON CLOTHING: Rinse immediately contaminated clothing and skin with plenty of water before removing clothes.

P309+P311 IF exposed or if you feel unwell: Call a POISON CENTER or doctor/physician.

P333+P313 If skin irritation or rash occurs: Get medical advice/attention.

P337+P313 If eye irritation persists: Get medical advice/attention.

P402+P404 Store in a dry place. Store in a closed container.

P404 Store in a well-ventilated place.

P233 Keep container tightly closed.

### SECTION 3. COMPOSITION / INFORMATION INGREDIENTS

PRODUCT NAME	CAS #	EINECS #	CONCENTRATION
Tagetes Minuta Oil	91770-75-1/8016-84-0	294-862-7	100%

### SECTION 4. FIRST-AID MEASURES INHALATION EXPOSURE:

Normal inhalation is unlikely to produce adverse reactions. Use in well ventilated areas. In the event of adverse reactions. Remove to fresh air. Give oxygen and call a physician.

**EYE CONTACT:** Flush with water for 15 min without making eyes sore. Unsweetened Milk may help flush oil from eyes. Seek medical help if necessary.

**SKIN CONTACT:** Wash area with undiluted dishwashing liquid and flush with copious amounts of water. Seek medical help if necessary.

**INGESTION:** Flush from mouth with water or unsweetened milk. Administer water and call a physician or poison control center immediately. Do not induce vomiting.

## **SECTION 5. FIRE FIGHTING MEASURES**

### **Suitable extinguishing media**

Carbon Dioxide, powder or water spray.

### **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.

## **SECTION 6. ACCIDENTAL RELEASE MEASURES**

### **STEPS TO BE TAKEN IF MATERIAL IS RELEASED OR SPILLED**

Standard absorbents can be used.

**WASTE DISPOSAL METHOD:** Incineration or sanitary landfill in accordance with local, state, and federal regulations.

## **SECTION 7. HANDLING AND STORAGE HANDLING**

Avoid breathing in dust. To prevent explosion hazards, do not allow dust to settle on surfaces. It is recommended that all dust control equipment and material transport systems involved in handling of this product contain explosion relief vents or explosion suppression systems. All conductive elements of the system that contacts this material should be electrically bonded and grounded.

**STORAGE** Store in a cool, well-ventilated area.

**FIRE PROTECTION** Keep away from ignition sources and naked flame.

## **SECTION 8. EXPOSURE CONTROLS**

Emissions from ventilation or work process equipment should be checked to ensure they comply with the requirements of environmental protection legislation. In some cases, fume scrubbers, filters or engineering modifications to the process equipment will be necessary to reduce emissions to acceptable levels.

**VENTILATION:**

**PROTECTIVE GLOVES:** Rubber gloves

**EYE PROTECTION:** Splash-proof safety glasses.

**RESPIRATORY:** Respirator selection must be based on known or anticipated exposure levels, the hazards of the product and the safe working limits of the selected respirator. Recommended: Use appropriate NIOSH approved dust respirator if PEL/TLV may be exceeded.

**OTHER PROTECTIVE EQUIPMENT:** Safety shower, eye wash

## **SECTION 9. PHYSICAL STATE AND APPEARANCE**

**Appearance:** A thin yellowish-gold to light amber clear liquid.

**Odor:** It has a sweet, floral, slightly fruity scent.

**Flash point:** 59°C

**Relative density:** 0.860 to 0.900 @ 20 °C

**Solubility:** Soluble in alcohol. Insoluble in water.

**Refractive index:** 1.478 to 1.515 @ 20 °C

**Optical rotation:** +1° to +10° @ 20 °C

## **SECTION 10. STABILITY AND REACTIVITY**

**INCOMPATIBILITIES CONDITIONS TO AVOID:**

No materials present special reactivity hazards.

**MATERIALS TO AVOID:** Strong oxidizing agents

**HAZARDOUS COMBUSTION PRODUCTS** CO, CO<sub>2</sub>, water

## **SECTION 11. TOXICOLOGICAL INFORMATION**

**ACUTE EFFECTS:** Most likely route of entry is through the skin. Full strength may be irritating to skin, mucous membranes and eyes.

**THRESHOLD LIMIT VALUE (TLV):** Not established **OSHA PERMISSABLE EXPOSURE**

**LIMIT (PEL):** Not established **LISTED AS CARCINOGEN BY NTP, IARC, OR OSHA ?**

## **SECTION 12. ECOLOGICAL INFORMATION GENERAL**

NONE

## **SECTION 13. DISPOSAL CONSIDERATION WASTE DISPOSAL METHOD**

Incineration or sanitary landfill in accordance with local, state, and federal regulations.

## **SECTION 14. TRANSPORT INFORMATION**

Class Pack Group Sub. Risk UN No. IMDG Page Road (U.S.-DOT): UN 1169. Air (IATA): not regulated. Sea (IMDG): not regulated.

## SECTION 15. REGULATORY INFORMATION

**EUROPEAN INFORMATION** There were no toxicological studies in the published literature to assign risk and safety phrases.

**REVIEWS, STANDARDS, AND REGULATIONS EPA TSCA SECTION 8(B) CHEMICAL INVENTORY LISTED AS CARCINOGEN BY NTP, IARC, OR OSHA? NO**

## SECTION 16. OTHER INFORMATION



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 contained 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.

**Botanic Planet Canada Inc. 2 Bram Court, Unit # 3-4 Brampton, Ontario, L6W 3R6 Canada**  
**Email: [info@botanicplanet.ca](mailto:info@botanicplanet.ca) [www.botanicplanet.ca](http://www.botanicplanet.ca)**

## Certificate of Analysis

**Product Name:** Tagetes Essential Oil

**Botanical Name:** Tagetes Minuta

**Lot #:** BPCTEO12023

**Extraction:** Steam Distilled

**Expiry:** January 2028

**Origin:** Egypt

### Properties

### Specifications

### Results

**Appearance:** A thin yellowish-gold to light amber clear liquid. Complies

**Odor:** It has a sweet, floral, slightly fruity scent. Complies

**Solubility:** Soluble in alcohol. Insoluble in water. Complies

**Optical Rotation:** +1 to +10° @ 20°C Complies

**Specific Gravity:** 0.860 to 0.900 @ 20°C Complies

**Refractive Index:** 1.478 to 1.515 @ 20°C Complies

**β-Ocimene(Z):** 17 - 45 % Complies

**Limonene:** 3 - 9 % Complies

**β-Ocimene(E):** max 1.0 % Complies

**Dihydrotagetone:** 10 - 40 % Complies

**(E) Tagetone + (Z) Tagetone:** 7 - 20 % Complies

**(E) Tagetenone + (Z) Tagetenone:** 10 - 23.5 % Complies

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