

## SAFETY DATA SHEET

### SECTION 1: PRODUCT / SUBSTANCE IDENTIFICATION

PRODUCT NAME	:	Ginger Essential Oil
BOTANICAL NAME	:	<i>Zingiber officinalis</i>
COUNTRY OF ORIGIN	:	China
CAS NUMBER	:	8007-08-7
EC NUMBER	:	283-634-2
CONCENTRATION	:	100%
SUPPLIER	:	Brooklyn Botany
ADDRESS	:	6569 Pond Apple Rd. Boca Raton, FL 33433
TELEPHONE NUMBER	:	914-940-5947

### SECTION 2: HAZARD IDENTIFICATION

#### 2.1 CLASSIFICATION OF THE SUBSTANCE

##### CLASSIFICATION ACCORDING TO THE REGULATION (EC) NO 1272/2008

ASPIRATION HAZARD	:	Category 1
SKIN SENSITIZATION	:	Category 1

**AQUATIC ENVIRONMENT** : Long term hazard, Category chronic 2

**CLASSIFICATION ACCORDING TO THE DIRECTIVE 67/548/EEC**

**HAZARD SYMBOLS**

**Xn** : Harmful  
**N** : Dangerous for the environment

**RISK PHRASES**

**R43** : May cause sensitization by skin contact  
**R51/53** : Toxic to aquatic organisms, may cause long-term adverse effects in the aquatic environment  
**R65** : Harmful; may cause lung damage if swallowed

**2.2 LABEL ELEMENTS**



**SIGNAL WORD** : Danger

**2.3 HAZARD STATEMENTS**

- H304** : May be fatal if swallowed and enters airways
- H317** : May cause an allergic skin irritation
- H411** : Toxic to aquatic life with long lasting effects

### **PRECAUTIONARY STATEMENTS**

- P273** : Avoid release to the environment
- P280** : Wear protective gloves, protective clothing, eye protection, face protection
- P301 + P310** : If swallowed, immediately call a poison center or doctor/physician
- P303 + P361 + P353** : If on skin or hair, remove/take off immediately all contaminated clothing. Rinse skin with water or shower
- P302 + P352** : If on skin, wash with plenty of soap and water
- P331** : Do not induce vomiting
- P333 + P313** : If skin irritation or rash occurs, get medical advice/attention

## **SECTION 3: COMPOSITION/INFORMATION ON INGREDIENTS**

### **3.1 SUBSTANCES**

<b>CONCENTRATION RANGE OF THE CONSTITUENT (% WEIGHT/WEIGHT)</b>	<b>EC NUMBER/REGISTRATION NUMBER</b>	<b>CAS</b>	<b>CHEMICAL NAME</b>
100%	283-634-2	8007-08-7	ZYNGIBER OFICINALIS

## **SECTION 4: FIRST AID MEASURES**

#### **4.1 EYE CONTACT**

Remove contact lenses if easily possible. Immediately flush your eyes with plenty of cool water for at least 15 minutes. Get medical attention if irritation occurs.

#### **SKIN CONTACT**

Remove contaminated clothing. Wash the area with soap and water. If irritation occurs, get medical attention.

#### **INHALATION**

If inhaled. Remove person to fresh air. Get medical attention if symptoms appear.

#### **INGESTION**

Seek medical attention or contact local poison control center.

#### **4.2 MOST IMPORTANT SYMPTOM AND EFFECTS, BOTH ACUTE AND DELAYED**

Aspiration hazard. May cause lung damage if swallowed (aspiration toxicity includes severe acute effects such as chemical pneumonia, varying degrees of pulmonary injury or death following aspiration). May produce an allergic reaction(rash, urticarial). Read label before use.

#### **4.3 INDICATION OF ANY IMMEDIATE MEDICAL ATTENTION AND SPECIAL TREATMENT NEEDED**

N/A

### **SECTION 5: FIRE FIGHTING MEASURES**

#### **5.1 SUITABLE EXTINGUISHING MEDIA**

Foam. Dry Powder. Carbon dioxide.

#### **5.2 UNSUITABLE EXTINGUISHING MEDIA**

Water spray, water jet.

#### **5.3 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. Closed containers may build up

pressure at elevated temperatures. Avoid inhalation of fumes or vapors. Use appropriate respiratory protection. Prevent run-off from fighting to enter drains or water courses.

## **SECTION 6: ACCIDENTAL RELEASE MEASURES**

### **6.1 PERSONAL PRECAUTIONS, PROTECTIVE EQUIPMENT, AND EMERGENCY PROCEDURES**

Do not smoke and do not expose product to open flame or potential source of ignition. Wear appropriate gloves to prevent skin exposure and respiratory protection equipment may be necessary. (Waterproof boots, suitable protective clothing, safety glasses). Prevent any contact with hot surfaces. Do not approach facing the wind.

### **6.2 ENVIRONMENTAL PRECAUTIONS**

Keep away from drains, surface, and groundwater soil.

### **6.3 METHODS AND MATERIALS FOR CONTAINMENT AND CLEANING UP**

Clean up any spills as soon as possible, using a non-combustible absorbent material (e.g. dry-lime, sand, soda ash) to collect it. Use suitable disposal containers. Ventilate the area and wash spill site after pickup. Dispose of it in accordance with current laws and regulations.

## **SECTION 7: HANDLING AND STORAGE**

### **7.1 PRECAUTIONS FOR SAFE HANDLING**

No direct lighting. No smoking. Keep away from food, drink and animal feeding stuffs. Avoid contact with skin and eyes. Ensure prompt removal from eyes, skin and clothing. Wash hands and other exposed areas with mild soap and water before eating, drinking or smoking and when leaving work. Handle in accordance with good industrial hygiene and safety procedures.

### **7.2 CONDITIONS FOR SAFE STORAGE, INCLUDING ANY INCOMPATIBILITIES**

Containers should be kept closed in order to minimize contamination. Store in a cool, dry, well ventilated place protected from light. Keep away from extreme heat and from freezing conditions and away from all sources of ignition.

## **SECTION 8: EXPOSURE CONTROLS AND PERSONAL PROTECTION**

### **EYES**

Use tightly sealed safety goggles.

### **SKIN**

If skin contact or contamination of clothing is likely, protective clothing should be worn. Use protective gloves.

### **RESPIRATORY**

In case of insufficient ventilation, wear suitable respiratory equipment.

### **INGESTION**

Not for ingestion.

### **HYGIENE PRACTICES**

Wash hands with soap and water after handling.

## **SECTION 9: PHYSICAL AND CHEMICAL PROPERTIES**

<b>APPEARANCE</b>	:	Pale Yellow to Yellow Liquid
<b>ODOR</b>	:	Citric, Fresh
<b>FLASH POINT</b>	:	65 ° C
<b>RELATIVE DENSITY</b>	:	0.880 g/cm <sup>3</sup> at 20 ° C

## **SECTION 10: STABILITY AND REACTIVITY**

### **10.1 REACTIVITY**

It presents no significant reactivity hazards by itself or in contact with water. Avoid contact with strong acids, alkali, or oxidizing agents.

#### **10.2 CHEMICAL STABILITY**

Stable under normal operating conditions

#### **10.3 POSSIBILITY OF HAZARDOUS REACTIONS**

Hazardous Polymerization: It does not undergo any dangerous reactions under normal conditions

#### **10.4 CONDITIONS TO AVOID**

Heat, flames, and other sources of ignition. No special precautions other than good housekeeping of chemicals.

#### **10.5 INCOMPATIBLE MATERIALS**

Oxidizing mineral acids, strong reducing agents, strong oxidizing agents.

#### **10.6 DECOMPOSITION**

Carbon monoxide and unidentified organic compounds may be formed during combustion.

### **SECTION 11: TOXILIGICAL INFORMATION**

#### **ACUTE TOXICITY**

This substance does not meet the criteria for classification in accordance with Regulation (EC) No 1272/2008.

#### **SKIN IRRITATION/CORROSION**

This substance does not meet the criteria for classification in accordance with Regulation (EC) No 1272/2008.

#### **SERIOUS EYE IRRITATION/DAMAGE**

This substance does not meet the criteria for classification in accordance with Regulation (EC) No 1272/2008.

#### **RESPIRATORY OR SKIN SENSITIZATION**

This substance meets the criteria for classification in accordance with Regulation (EC) No 1272/2008.

#### **GERM CELL MUTAGENICITY**

This substance does not meet the criteria for classification in accordance with Regulation (EC) No 1272/2008.

#### **CARCINOGENICITY**

This substance does not meet the criteria for classification in accordance with Regulation (EC) No 1272/2008.

#### **REPRODUCTIVE TOXICITY**

This substance does not meet the criteria for classification in accordance with Regulation (EC) No 1272/2008.

#### **STOT-SINGLE EXPOSURE**

This substance does not meet the criteria for classification in accordance with Regulation (EC) No 1272/2008.

#### **STOT-REPEATED EXPOSURE**

This substance does not meet the criteria for classification in accordance with Regulation (EC) No 1272/2008.

#### **ASPIRATION TOXICITY**

This substance meets the criteria for classification in accordance with Regulation (EC) No 1272/2008.

### **SECTION 12: ECOLOGICAL INFORMATION**

- 12.1 ACUTE AQUATIC TOXICITY:** Not determined
- 12.2 PERSISTENCE AND DEGRADABILITY:** N/A
- 12.3 BIOCONCENTRATION FACTOR:** Not determined
- 12.4 MOBILITY IN SOIL:** N/A
- 12.5 RESULTS OF PBT AND vPvB ASSESSMENT:** Not determined
- 12.6 OTHER ADVERSE EFFECTS:** Do not allow the material to enter streams, sewers, or other waterways

## SECTION 13: DISPOSAL CONSIDERATION

Dispose of product in accordance with local, state or provincial and federal regulations.  
Check with local municipal authority to ensure compliance.

## SECTION 14: TRANSPORT CONSIDERATION

### 14.1 INTERNATIONAL CARRIAGE OF DANGEROUS GOODS BY ROAD (ADR)

**UN NUMBER** : UN3082  
**PROPER SHIPPING NAME** : ENVIRONMENTALLY HAZARDOUS  
SUBSTANCE, LIQUID, N.O.S. (Contains  
Ginger Oil)  
**PACKING GROUP** : III  
**CLASS** : 9  
**TUNNEL RESTRICTION CODE** : (E)  
**LABEL** :



### 14.2 SEA TRANSPORT (IMDG)

**UN NUMBER** : UN3082  
**PROPER SHIPPING NAME** : ENVIRONMENTALLY HAZARDOUS  
SUBSTANCE, LIQUID, N.O.S. (Contains  
Ginger Oil)  
**PACKING GROUP** : III  
**CLASS** : 9

EmS : F-A, S-F

MARINE POLLUTANT : Yes

LABEL :



### 14.3 AIR TRANSPORT (ICAO/IATA)

UN NUMBER : UN3082

PROPER SHIPPING NAME : ENVIRONMENTALLY HAZARDOUS  
SUBSTANCE, LIQUID, N.O.S. (Contains  
Ginger Oil)

PACKING GROUP : III

CLASS : 9

LABEL :



### SECTION 15: REGULATORY INFORMATION

#### 15.1 SAFETY, HEALTH, AND INFORMATION REGULATIONS/LEGISLATION SPECIFIC FOR THE SUBSTANCE OR MIXTURE

Not available.

#### 15.2 CHEMICAL SAFETY ASSESMENT

Not available.

## SECTION 16: DISCLAIMER AND CAUTION

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