

## SAFETY DATA SHEET

### SECTION 1: PRODUCT / SUBSTANCE IDENTIFICATION

#### 1.1 PRODUCT IDENTIFIERS

**PRODUCT NAME** : Cinnamon Essential Oil  
**CHEMICAL NAME** : *Cinnamomum zeylanicum*  
**CAS NUMBER** : 8015-91-6  
**EC NUMBER** : 283-479-0

#### 1.2 RELEVANT IDENTIFIED USES OF THE SUBSTANCE OR MIXTURE AND USES ADVISED AGAINST

##### IDENTIFIED USES

Industrial uses. Formulation [mixing] of preparations. Do not ingest as such.

#### 1.3 DETAILS OF THE SUPPLIER OF THE SAFETY DATA SHEET

**SUPPLIER** : Brooklyn Botany  
**ADDRESS** : 6569 Pond Apple Rd. Boca Raton,  
FL 33433  
**TELEPHONE NUMBER** : 914-940-5947

#### 1.4 EMERGENCY TELEPHONE NUMBER

**24 HOUR EMERGENCY TELEPHONE NUMBER**

USA National Poison Control Center (any day/time) 1 (412) 681-6669.

## SECTION 2: HAZARDS IDENTIFICATION

### 2.1 CLASSIFICATION OF THE SUBSTANCE OR MIXTURE

#### GHS Classification in accordance with 29 CFR 1910 (OSHA HCS)

Combustible liquid (Category 4),

H227 Skin irritation (Category 2),

H315

Eye irritation (Category 2A), H319

Skin sensitiaation (Category 1), H317

Specific target organ toxicity - single exposure (Category 3), Respiratory system, H335

For the full text of the H-Statements mentioned in this Section, see Section 16.

### 2.2 GHS LABEL ELEMENTS, INCLUDING PRECAUTIONARY STATEMENTS

PICTOGRAM



SIGNAL WORD

:

Warning

### 2.3 HAZARD STATEMENTS

H227 : Combustible liquid

H315 : Causes skin irritation

H317 : May cause an allergic skin reaction

H319 : Causes serious eye irritation.

H335 : May cause respiratory irritation.

## PRECAUTIONARY STATEMENTS

<b>P210</b>	:	Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking.
<b>P261</b>	:	Avoid breathing dust/ fume/ gas/ mist/ vapors/ spray.
<b>P264</b>	:	Wash skin thoroughly after handling.
<b>P271</b>	:	Use only outdoors or in a well-ventilated area.
<b>P272</b>	:	Contaminated work clothing should not be allowed out of the workplace.
<b>P280</b>	:	Wear protective gloves/ protective clothing/ eye protection/ face protection.
<b>P302+ P352</b>	:	IF ON SKIN: Wash with plenty of soap and water.
<b>P304 + P340</b>	:	IF INHALED: Remove victim to fresh air and keep at rest in a position comfortable for breathing.
<b>P305 + P351 + P338</b>	:	IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.
<b>P312</b>	:	Call a POISON CENTER or doctor/ physician if you feel unwell.
<b>P321</b>	:	Specific treatment (see supplemental first aid instructions on this label).
<b>P333 + P313</b>	:	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 and wash before reuse.
- P370 + P378** : In case of fire: Use dry sand, dry chemical or alcohol-resistant foam for extinction.
- P403 + P233** : Store in a well-ventilated place. Keep container tightly closed.
- P403 + P235** : Store in a well-ventilated place. Keep cool.
- P405** : Store locked up.
- P501** : Dispose of contents/ container to an approved waste disposal plant.

#### 2.4 HAZARDS NOT OTHERWISE CLASSIFIED (HNOC) OR NOT COVERED BY GHS

None

### SECTION 3: COMPOSITION/INFORMATION ON INGREDIENTS

#### 3.1 SUBSTANCES

CAS-No. : 8015-91-6

#### HAZARDOUS COMPONENTS

COMPONENT	CLASSIFICATION	CONCENTRATION
CINNAMON BARK OIL		
Cinnamomum zeylanicum, oil	Comb. Liq. 4; Skin Irrit. 2; Eye Irrit. 2A; Skin Sens. 1; STOT SE 3; H227, H315, H317, H319, H335	100 %

For the full text of the H-Statements mentioned in this Section, see Section 16.

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

### **4.1 DESCRIPTION OF FIRST AID MEASURES**

#### **GENERAL ADVICE**

Consult a physician. Show this safety data sheet to the doctor in attendance. Move out of dangerous area.

#### **IF INHALED**

If breathed in, move person into fresh air. If not breathing, give artificial respiration. Consult a physician.

#### **IN CASE OF SKIN CONTACT**

Wash off with soap and plenty of water. Consult a physician.

#### **IN CASE OF EYE CONTACT**

Rinse thoroughly with plenty of water for at least 15 minutes and consult a physician.

#### **IF SWALLOWED**

Do NOT induce vomiting. Never give anything by mouth to an unconscious person. Rinse mouth with water. Consult a physician.

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

May produce an allergic reaction.

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

No data available.

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

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

For small (incipient) fires, use media such as "alcohol" foam, dry chemical, or carbon dioxide. For large fires, apply water from as far as possible. Use very large quantities (flooding) of water applied as a mist or spray; solid streams of water may be ineffective. Cool all affected containers with flooding quantities of water.

### **5.2 SPECIAL HAZARDS ARISING FROM THE SUBSTANCE OR MIXTURE**

Nature of decomposition products not known.

### **5.3 ADVICE FOR FIREFIGHTERS**

Wear self-contained breathing apparatus for firefighting if necessary.

### **5.4 FURTHER INFORMATION**

Use water spray to cool unopened containers.

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

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

Use personal protective equipment. Avoid breathing vapours, mist or gas. Ensure adequate ventilation. Remove all sources of ignition. Evacuate personnel to safe areas. Beware of vapours accumulating to form explosive concentrations. Vapours can accumulate in low areas.

For personal protection see section 8.

### **6.2 ENVIRONMENTAL PRECAUTIONS**

Prevent further leakage or spillage if safe to do so. Do not let product enter drains.

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

Contain spillage, and then collect with an electrically protected vacuum cleaner or by wet-brushing and place in container for disposal according to local regulations (see section 13). Keep in suitable, closed containers for disposal.

## **6.4 REFERENCE TO THE OTHER SECTIONS**

For disposal see section 13.

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

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

Avoid contact with skin and eyes. Avoid inhalation of vapour or mist. Keep away from sources of ignition - No smoking. Take measures to prevent the build up of electrostatic charge. For precautions see section 2.2.

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

Keep container tightly closed in a dry and well-ventilated place. Containers which are opened must be carefully resealed and kept upright to prevent leakage.

### **7.3 SPECIFIC END USE(S)**

Apart from the uses mentioned in section 1.2 no other specific uses are stipulated

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

### **8.1 CONTROL PARAMETERS**

#### **COMPONENTS WITH WORKPLACE CONTROL PARAMETERS**

Contains no substances with occupational exposure limit values.

### **8.2 EXPOSURE CONTROLS**

#### **APPROPRIATE ENGINEERING CONTROLS**

Handle in accordance with good industrial hygiene and safety practice. Wash hands before breaks and at the end of workday.

## 8.3 PERSONAL PROTECTIVE EQUIPMENT

### EYE/FACE PROTECTION

Face shield and safety glasses Use equipment for eye protection tested and approved under appropriate government standards such as NIOSH (US) or EN 166(EU).

### SKIN PROTECTION

Handle with gloves. Gloves must be inspected prior to use. Use proper glove removal technique (without touching glove's outer surface) to avoid skin contact with this product. Dispose of contaminated gloves after use in accordance with applicable laws and good laboratory practices. Wash and dry hands.

### FULL CONTACT

Material: butyl-rubber  
Minimum layer thickness: 0.3 mm  
Break through time: 480 min  
Material tested: Butoject® (KCL 897, Size M)

### SPLASH CONTACT

Material: Nitrile rubber  
Minimum layer thickness: 0.4 mm  
Break through time: 30 min  
Material tested: Camatril® (KCL 730, Size M)  
data source: KCL GmbH, D-36124 Eichenzell, phone +49 (0)6659 87300, e-mail [sales@kcl.de](mailto:sales@kcl.de), test method: EN374

If used in solution, or mixed with other substances, and under conditions which differ from EN 374, contact the supplier of the CE approved gloves. This recommendation is advisory only and must be evaluated by an industrial hygienist and safety officer familiar with the specific situation of anticipated use by our customers. It should not be construed as offering an approval for any specific use scenario.

## BODY PROTECTION

Complete suit protecting against chemicals, The type of protective equipment must be selected according to the concentration and amount of the dangerous substance at the specific workplace.

## RESPIRATORY PROTECTION

Where risk assessment shows air-purifying respirators are appropriate use a full-face respirator with multi- purpose combination (US) or type ABEK (EN 14387) respirator cartridges as a backup to engineering controls. If the respirator is the sole means of protection, use a full-face supplied air respirator. Use respirators and components tested and approved under appropriate government standards such as NIOSH (US) or CEN (EU).

## CONTROL OF ENVIRONMENTAL EXPOSURE

Prevent further leakage or spillage if safe to do so. Do not let product enter drains.

## SECTION 9: PHYSICAL AND CHEMICAL PROPERTIES

### 9.1 INFORMATION ON BASIC PHYSICAL AND CHEMICAL PROPERTIES

- |           |                                     |   |                   |
|-----------|-------------------------------------|---|-------------------|
| <b>a)</b> | <b>APPEARANCE</b>                   |   |                   |
|           | <b>FORM</b>                         | : | CLEAR, LIQUID     |
|           | <b>COLOR</b>                        | : | DARK YELLOW       |
| <b>b)</b> | <b>ODOR</b>                         | : | Characteristic    |
| <b>c)</b> | <b>pH</b>                           | : | No data available |
| <b>d)</b> | <b>MELTING POINT/FREEZING POINT</b> | : | No data available |
| <b>e)</b> | <b>INITIAL BOILING POINT</b>        |   |                   |

	<b>AND BOILING RANGE</b>	:	249 °C (480 °F) at 1,013 hPa (760 mmHg)
<b>f)</b>	<b>FLASH POINT</b>	:	87 °C (189 °F) - closed cup
<b>g)</b>	<b>EVAPORATION RATE</b>	:	No data available
<b>h)</b>	<b>FLAMMABILITY (SOLID, GAS)</b>	:	No data available
<b>i)</b>	<b>UPPER/LOWER FLAMMABILITY OR EXPLOSIVE LIMITS</b>	:	No data available
<b>j)</b>	<b>VAPOUR PRESSURE</b>	:	No data available
<b>k)</b>	<b>VAPOR DENSITY</b>	:	No data available
<b>l)</b>	<b>RELATIVE DENSITY</b>	:	1.025 g/cm <sup>3</sup>
<b>m)</b>	<b>WATER SOLUBILITY</b>	:	No data available
<b>n)</b>	<b>VISCOSITY</b>	:	No data available
<b>o)</b>	<b>EXPLOSIVE PROPERTIES</b>	:	No data available
<b>p)</b>	<b>OXIDIZING PROPERTIES</b>	:	No data available

## 9.2 OTHER SAFETY INFORMATION

No data available.

## SECTION 10: STABILITY AND REACTIVITY

### 10.1 REACTIVITY

Not available

### 10.2 CHEMICAL STABILITY

Stable under recommended storage conditions.

### 10.3 POSSIBILITY OF HAZARDOUS REACTIONS

No data available

### 10.4 CONDITIONS TO AVOID

Heat, flames, and sparks.

#### **10.5 INCOMPATIBLE MATERIALS**

Strong oxidizing agents

#### **10.6 HAZARDOUS DECOMPOSITION PRODUCTS**

Other decomposition products - No data available In the event of fire: see section 5

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

#### **11.1 INFORMATION ON TOXICOLOGICAL EFFECTS**

##### **ACUTE TOXICITY**

LD50 Oral - Rat - 2,650 mg/kg  
LD50 Dermal - Rabbit - > 5,000 mg/kg  
No data available

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

No data available

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

No data available

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

No data available

##### **GERM CELL MUTAGENICITY**

No data available

##### **CARCINOGENICITY**

**IARC** : No component of this product present at levels greater than or equal to 0.1% is identified as probable, possible or confirmed human carcinogen by IARC.

- ACGIH** : No component of this product present at levels greater than or equal to 0.1% is identified as a carcinogen or potential carcinogen by ACGIH.
- NTP** : No component of this product present at levels greater than or equal to 0.1% is identified as a known or anticipated carcinogen by NTP.
- OSHA** : No component of this product present at levels greater than or equal to 0.1% is identified as a carcinogen or potential carcinogen by OSHA.

#### **REPRODUCTIVE TOXICITY**

No data available

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

Inhalation - May cause respiratory irritation.

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

No data available

#### **ASPIRATION HAZARD**

No data available

#### **ADDITIONAL INFORMATION**

RTECS: FL6340000

To the best of our knowledge, the chemical, physical, and toxicological properties have not been thoroughly investigated.

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

- 12.1 TOXICITY** : Not available
- 12.2 PERSISTENCE AND DEGRADIBILITY** : Not available
- 12.3 BIOACCUMULATIVE POTENTIAL** : Not available
- 12.4 MOBILITY IN SOIL** : Not available

- 12.5 RESULTS OF PBT AND vPvB ASSESSMENT** : PBT/vPvB assessment not available as chemical safety assessment not required/not conducted
- 12.6 OTHER ADVERSE EFFECTS** : Not available

**SECTION 13: DISPOSAL CONSIDERATION**

**13.1 WASTE TREATMENT METHODS**

**PRODUCT**

Offer surplus and non-recyclable solutions to a licensed disposal company. Contact a licensed professional waste disposal service to dispose of this material.

**CONTAMINATED PACKAGING**

Dispose of as unused product.

**SECTION 14: TRANSPORT INFORMATION**

- DOT (US)** : Not dangerous goods
- IMDG** : Not dangerous goods
- IATA** : Not dangerous goods

**SECTION 15: REGULATORY INFORMATION**

**SARA 302 COMPONENTS**

No chemicals in this material are subject to the reporting requirements of SARA Title III, Section 302.

**SARA 313 COMPONENTS**

This material does not contain any chemical components with known CAS numbers that exceed the threshold (De Minimis) reporting levels established by SARA Title III, Section 313.

#### **SARA 311/312 HAZARDS**

Fire Hazard, Acute Health Hazard

#### **MASSACHUSETTS RIGHT TO KNOW COMPONENTS**

No components are subject to the Massachusetts Right to Know Act.

#### **PENNSYLVANIA RIGHT TO KNOW COMPONENTS**

CINNAMON BARK OIL CAS-No. 8015-91-6

#### **NEW JERSEY RIGHT TO KNOW COMPONENTS**

CINNAMON BARK OIL CAS-No. 8015-91-6

#### **CALIFORNIA PROP. 65 COMPONENTS**

This product does not contain any chemicals known to State of California to cause cancer, birth defects, or any other reproductive harm.

### **SECTION 16: OTHER INFORMATION**

#### **FULL TEXT OF H-STATEMENTS REFERRED TO UNDER SECTIONS 2 AND 3.**

<b>EYE IRRIT.</b>	:	Eye irritation
<b>H227</b>	:	Combustible liquid
<b>H315</b>	:	Causes skin irritation
<b>H317</b>	:	May cause an allergic skin reaction.
<b>H319</b>	:	Causes serious eye irritation
<b>H335</b>	:	May cause respiratory irritation.
<b>SKIN IRRIT.</b>	:	Skin irritation

Key literature references and sources for data:

1. Regulation (EC) No 1907/2006 of the European Parliament and of the Council of 18 December 2006 concerning the Registration, Evaluation, Authorization and Restriction of Chemicals (REACH), establishing a European Chemicals Agency, amending Directive 1999/45/EC and repealing Council Regulation (EEC) No 793/93 and Commission Regulation (EC) No 1488/94 as well as Council Directive 76/769/EEC and Commission Directives 91/155/EEC, 93/67/EEC, 93/105/EC and 2000/21/EC.
2. Regulation (EC) No 1272/2008 of the European Parliament and of the Council of 16 December 2008 on classification, labelling and packaging of substances and mixtures, amending and repealing Directives 67/548/EEC and 1999/45/EC, and amending Regulation (EC) No 1907/2006.
3. OSHA (US) 29 CFR 1910.1200 and 49 CFR, modifying the Hazard Communication Standard and aligning it with the UN Globally Harmonized System of Classification and Labeling of Chemicals (GHS).

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