

The Essentially Natural Domain (Pty) Ltd | Reg. No. 2014/170069/07
Unit 14, Duville Business Park, 8 Arum Lily Street, Durbanville, Cape Town, South Africa 7550
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#### **MATERIAL SAFETY DATA SHEET**

### **Section 1- Product Information**

1.1 Product Identifier:

Product name: Castor Oil

Botanical Nomenclature: Ricinus communis

CAS number: 8001-79-4

# **Section 2- Composition / information on ingredients**

#### Main components:

- Palmitic
- Palmitoleic
- Stearic
- Oleic
- Linoleic (e.g., carriers, preservatives, antioxidants): Nil.

#### **Section 3- Hazards identification**

Inhalation: None identified.

Skin: Concentrated liquid and vapors irritating to skin by prolonged exposure.

Eyes: Irritating to eyes with possible damage.

Ingestion: Harmful if swallowed.

#### **Section 4-First Aid Measures**

Inhalation: If Discomfort is felt, remove person to a well-ventilated area with plenty of

fresh air.

Skin Remove contaminated clothing. Wash affected area with plenty of soap

and water.

Eyes: Flush immediately with plenty of cool water for 10 to 20 minutes. Seek

Medical advice from a medical Doctor.

Ingestion: Seek immediate medical care.

Disclaimer: As the users' condition of work is not known, the information contained in this Material Safety Data Sheet is accurate to the best of our knowledge and is based on the national community regulations. The product must not be employed for uses other than those specified without having previously obtained written handling instructions. Users are responsible for taking all necessary to comply with the requirements of the law and local regulations. The information contained in this sheet should be regarded as the description of the safety requirements relating to our products and not as a guarantee of its properties.



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### **Section 5-In Case of Fire**

Extinguishing Media: Foam, Carbon dioxide.

Do not use: Water.

Special Precautions: Wear breathing apparatus as toxic vapors may be released during

fire.

# **Section 6- Spill and Leak Procedure**

Individual precautions: Eliminate sources of ignition. Keep area well-ventilated and isolate

the spill

Environmental protection: Prevent the liquid from entering the drains and sewers.

Cleaning Methods: Soak up the spill using inert absorbents. For large spills, use pumps.

# **Section 7-handling and Storage**

Store in a cool, dry, and dark place in suitable containers (aluminium cans or lacquer lined steel drums.

Handle in a well-ventilated area.

Keep away from sources of heat and ignition.

## **Section 8-Personal Protection / Exposure Control**

Respiratory protection: Wear breathing apparatus when working in an area of high vapor

Concentration.

Skin protection: Use protective glove. Wear protective clothing when possibility

exists of contact.

Eye protection: Goggles should be worn.

General Precautions: Use good industrial hygiene practice

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### **Section 9- Physiochemical properties**

Appearance: Clear, yellow brown liquid.

Odor: Charismatic, fatty.

pH: Neutral. Flash point: 250°C.

Autoignition Temperature: Not available. Explosion limits: Not available.

Vapor pressure (25°C) Not available.

Vapor Density: >1 (air=1)

Specific Gravity: 0.905 @ 25°C

Solubility: insoluble in water.

Partition: Coefficient

log P o/w: Not available.

Evaporation Rate: <1 (Butyl Acetate=1)

### **Section 10- Stability and Reactivity**

Chemical Stability: Stable

Conditions to avoid: Normally stable. Not reactive with water.

**Hazardous Decomposition** 

products: Not available.

# **Section 11-Toxoclogical Information**

### **According to RIMF- Monograph:**

Acute Toxicity: Oral LD 50: 5g/kg in rats.

Dermal LD 50: 5g/kg in rabbits.

Irritation: Tested without sensitization at 4%.

Phototoxicity: No Phototoxic reaction reported.

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## **Section 12- Ecotoxicological information**

Fish Toxicity: LCO/EC<sub>50</sub>: Not available. Bacteriotocity: ECO/EC<sub>50</sub>: Not available.

## **Section 13-Disposable Method**

Check federal, State and Local Regulations.

## **Section 14- Transport Information**

Non-hazardous material transport in suitable containers, "As per IATA/ICAO shipment is safe Transport".

# **Section 15- Regulatory Information**

# **The British Essential Oil Association Chip Regulations-2002:**

Hazard Symbols: Xn Risk Phrases: R65

H/C%: 15 Safety Phrases: S62

"UN NUMBER IS NOT APPLICABLE"

## Section 16- Other information

N/A