



## OLEORESIN CAPSICUM - Material Safety Data Sheet

### 1.IDENTIFICATION OF THE MATERIAL AND SUPPLIER

**Product Name:** OLEORESIN CAPSICUM

**Other name(s):**

Capsicum Oleoresin; Oleoresin Capsicum Decolorized; Capsicum oleoresin Oil Soluble; Capsicum Oleoresin Water Soluble; Capsicum Oleoresin 3.3%; Capsicum Oleoresin 0.5 Million shu; Capsicum Oleoresin 6.6%; Capsicum Oleoresin 1 Million shu; Capsicum Oleoresin 8%; Capsicum Oleoresin 10 %; Capsicum Oleoresin 1.5 Million shu; Capsicum Oleoresin 13.3%; Capsicum Oleoresin 2 Million shu; Capsicum Oleoresin 20%; Capsicum Oleoresin 3Million shu; Capsicum Oleoresin 25%; Capsicum Oleoresin 40%; Capsicum Oleoresin 98 % powder.

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## 2. HAZARDS IDENTIFICATION

Not classified as Dangerous Goods for transport by Road or Rail; NON-DANGEROUS GOODS.

**Risk Phrases:** May cause sensitization by skin contact

**Safety Phrases:** Avoid Contact with skin. Wear Suitable protective clothing, mask, goggles and gloves.

**Poison Schedule:** None allocated

## 3.COMPOSITION/INFORMATION ON INGREDIENTS

### Components / CAS Number / Proportion

Capsaicin: FEMA: 2234; FDA 182.2; CAS: 404-86-4;

Capsicum Oleoresin: 8023-77-6.

## 4.FIRST AID MEASURES

**Inhalation:** Remove victim from area of exposure. Remove contaminated clothing and loosen remaining clothing. Allow patient to assume most comfortable position and keep warm. Keep at rest until fully recovered. Seek medical advice if effects persist.

**Skin Contact:** If skin or hair contact occurs, immediately remove and contaminated clothing and wash skin and hair thoroughly running water. In case of swelling, redness, blistering or irritation, wash with yoghurt or any other dairy product and seek medical assistance.

**Eye Contact:** If in Eyes, wash out immediately with water. In all cases of eye, Contamination it is a sensible precaution to seek medical advice.

**Ingestion:** If swallowed, do NOT reduce vomiting. Give a glass of water. Seek medical assistance.

## 5.FIRE FIGHTING MEASURES

**Hazards from combustion products:** Combustible

**Precautions for the fire fighters and special protective equipments:**

On burning will emit toxic fumes, including those of oxides of carbon. Keep containers cool with water spray. Fire fighters to wear self-contained breathing apparatus and suitable protective clothing if risk of exposure to vapor or products of combustion.

**Suitable extinguishing media:**

Normal foam, dry agent (carbon dioxide, dry chemical powder)

## 6. ACCIDENTAL RELEASE MEASURES

### Emergency procedures:

In case of contamination of sewers or water ways inform local emergency services.

### Methods and materials for containment and clean up:

Slippery when split. To avoid accidents, clean up immediately. Wear protective equipment to prevent skin and eye contact and breathing in vapors. Contain – prevent run off in to drains and waterways. Use absorbent (soil, cotton and other inert material). Collect and seal in properly labeled containers or drums for disposal. Wipe area ethanol and then wash with detergent and excess of water.

## 7. HANDLING AND STORAGE

Refer to State regulations for storage and transport requirements.

### Conditions for safe storage:

Store in a cool, dry well ventilated place and out of direct sunlight. Store away from sources of heat or ignition. Store away from incompatible materials and keep containers closed when not in use- check regularly for leaks.

### Precautions for safe handling:

Avoid skin and eye contact and breathing in vapor, mists and aerosols.

## 8.EXPOSURE CONTROL/PERSONAL PROTECTION

### Occupational Exposure Limits:

No value assigned for this specific material by the National Occupational Health and Safety Commission.

**Biological Limits Values:** Not allocated

### Engineering controls:

Use in well ventilated areas. If inhalation risk exists, use with local exhaust ventilation or while wearing organic vapor/particulate respirator. Keep containers closed when not in use.

### Personal Protective Equipments:

The selection of PPE is dependant on a detailed risk assessment. The risk assessment should consider with work situation, physical form of chemical, handling methods and environment factors. (APRONS, SAFETY SHOES, SAFETY GLASSES, GLOVES AND MASKS).

Wash hands before eating, drinking or using the toilet. Wash contaminated clothing and other protective equipment before storage for re-use.

## 9. PHYSICAL AND CHEMICAL PROPERTIES

**Physical State:** Free flowing liquid

**Color:** Red

**Odor:** Characteristic odor of crushed raw material

**Solubility:** Insoluble in water, soluble in alcohol, organic solvents and vegetable oils.

**Flash Point:** > 145 degree centigrade

**Decomposing point:** > 110 degree centigrade

**pH:** 5.7 to 6

## 10. STABILITY AND REACTIVITY

**Chemical Stability:** Stable under normal conditions

**Condition to be avoided:** Avoid exposure to heat, sources of ignition and open flame

**Incompatible materials:** Incompatible with strong oxidizing agents.

**Hazardous decomposition:** Oxides of Carbon.

**Hazardous reactions:** Hazardous polymerization will not occur.

## 11. TOXICOLOGICAL INFORMATION

No adverse health effect expected if the product is handled in accordance with this Safety Data Sheet and the product label. Symptoms or effects that may arise if the product is mishandled and over exposure occurs are:

**Ingestion:** No adverse effects expected. However, large amounts cause Nausea and vomiting.

**Eye Contact:** May be an eye irritant.

**Skin Contact:** Contact with skin may result in irritation. Repeated prolonged skin contact may lead allergic contact dermatitis.

**Inhalation:** Breathing in vapor, mists or aerosols may produce respiratory irritation.

**Toxicological Data:**

OralLD50 (rat) : > 3,000 mg/Kg

Dermal LD50 (Rabbit) : >2500mg/Kg

Inhalation LC50 (rat) : >10,000gm/m<sup>3</sup>/4H

Skin: Mild Irritant (human)

**12.ECOLOGICAL INFORMATION**

**Eco toxicity:** Avoid contaminating waterways.

**13.DISPOSAL CONSIDERATIONS**

**Disposal Method:** Refer to the countries waste management authority and their rules and regulations.

## 14. TRANSPORT INFORMATION

### Road and Rail Transport:

Not classified as Dangerous Goods for transport Road and Rail.

NON-DANGEROUS GOODS

### Marine Transport:

Not classified as Dangerous Goods by the criteria of the International Maritime Dangerous Goods Code (IMDG) for transport by sea;

NON-DANGEROUS GOODS.

### Air Transport:

Not classified as Dangerous Goods by the criteria of the International Air Transport Association (IATA) Dangerous Goods Regulations for transport by air.

NON-DANGEROUS GOODS.

## 15. REGULATORY INFORMATION

**Classification:** HAZARDOUS SUBSTANCE

**Hazardous Category:** Xi: IRRITANT.

**Risk Phrase(s):** R43; May cause sensitization by skin contact

**Safety Phrase(s):** S24; Avoid contact with skin. S36/37; Wear suitable protective clothing, goggles and gloves.



**Poison Schedule:** None allocated

## 16. OTHER INFORMATION

**Disclaimer:** All information provided in MSDS is to the best of our knowledge as on the date of last Update. Since Chillies Export House Limited cannot anticipate or control the conditions under which the product may be used so each user must prior to usage, assess and control the risks arising from its use of the material. Chillies Export House Ltd. shall not be liable for any losses, claims or damages arising to third parties or whosoever handles the product away from our supervision. If clarification or further information on handling the product is needed, please contact Chillies Export House Limited. Contact details mentioned on page 1.

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