Safety Data Sheet
Castor oil

Section 1: Identification

Product Name: Refined Castor Oil FSG
Chemical Name:
Details of the supplier :
Company information : Star Asia (Far East) Co., Ltd.
972/1 3rd Floor, Vorasubin Building
Soi Rama 9 Hospital, Rama 9 Road, Bang kapi,
Huai khwang, Bangkok 10320 Thailand
Tel no. : +66-2-2462051-2
Fax no. : +66-2-2462053
Website : www.starasiafareast.com

Section 2: Hazards Identification

Potential Acute Health Effects: Slightly hazardous in case of skin contact (irritant), of eye contact (irritant), of ingestion, of inhalation.

CARCINOGENIC EFFECTS: Not available. MUTAGENIC EFFECTS: Not available. TERATOGENIC EFFECTS: Not available.
DEVELOPMENTAL TOXICITY: Not available. Repeated or prolonged exposure is not known to aggravate medical condition.

Label Elements:
Signal word : Warning

Hazard Statements:
Causes skin irritation.
Causes eye irritation.
May causes respiratory irritation.

Precautionary Statments:
If skin irritation : Wash with soap and water.
If eye irritation : Rinse with water. Get medical attention if irritation persists.
If inhalec : Remove to fresh air. Get medical attention.

Section 3: Composition / Information on Ingredients

Composition:
Name CAS # % by Weight
Castor oil 8001-79-4 100

Toxicological Data on Ingredients:

Section 4: First Aid Measures

Eye Contact:
Check for and remove any contact lenses. In case of contact, immediately flush eyes with plenty of water for at least 15 minutes. Get medical attention if irritation occurs.

Skin Contact: Wash with soap and water. Cover the irritated skin with an emollient. Get medical attention if irritation develops.
**Section 5: Fire Fighting Measures**

*Flammability of the Product:* May be combustible at high temperature.

*Auto-Ignition Temperature:* 449°C (840.2°F)

*Flash Points:* OPEN CUP: 230°C (446°F).

*Flammable Limits:* Not available.

*Products of Combustion:* Not available.


*Fire Fighting Media and Instructions:* SMALL FIRE: Use DRY chemical powder. LARGE FIRE: Use water spray, fog or foam. Do not use water jet.

*Special Remarks on Fire Hazards:* Not available.

*Special Remarks on Explosion Hazards:* Not available.

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**Section 6: Accidental Release Measures**

*Small Spill:* Absorb with an inert material and put the spilled material in an appropriate waste disposal.

*Large Spill:* Absorb with an inert material and put the spilled material in an appropriate waste disposal. Finish cleaning by spreading water

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**Section 7: Handling and Storage**

*Precautions:* Keep away from heat. Keep away from sources of ignition. Empty containers pose a fire risk, evaporate the residue under a fume hood. Ground all equipment containing material. Do not breathe gas/fumes/vapor/spray.

*Storage:* Keep container tightly closed. Keep container in a cool, well-ventilated area. Do not store above 24°C (75.2°F). Prevent from

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**Section 8: Exposure Controls/Personal Protection**
**Engineering Controls:**
Provide exhaust ventilation or other engineering controls to keep the airborne concentrations of vapors below their respective threshold limit value. Ensure that eyewash stations and safety showers are proximal to the work-station location.

**Personal Protection:** Safety glasses. Lab coat.

**Personal Protection in Case of a Large Spill:**
Splash goggles. Full suit. Boots. Gloves. Suggested protective clothing might not be sufficient; consult a specialist BEFORE handling this product.

**Exposure Limits:**

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**Section 9: Physical and Chemical Properties**

- **Physical state and appearance:** Liquid.
- **Odor:** Characteristic. (Slight.)
- **Taste:** Acrid. Nauseating. (Slight.)
- **Molecular Weight:** Not available.
- **Color:** Not available.
- **pH (1% soln/water):** Not applicable.
- **Boiling Point:** 313°C (595.4°F)
- **Melting Point:** Not available.
- **Critical Temperature:** Not available.
- **Specific Gravity:** 0.962 @ 15 °C (Water = 1)
- **Vapor Pressure:** Not available.
- **Vapor Density:** Not available.
- **Vapor Pressure:** Not available.
- **Odor Threshold:** Not available.
- **Water/Oil Dist. Coeff.:** Not available.
- **Ionicty (in Water):** Not available.
- **Dispersion Properties:** See solubility in water, methanol, diethyl ether.
- **Solubility:**

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**Section 10: Stability and Reactivity**

- **Stability:** The product is stable.
- **Instability Temperature:** Not available.
- **Conditions of Instability:** Excess heat, incompatable materials
- **Incompatibility with various substances:** Not available.
- **Corrosivity:** Non-corrosive in presence of glass.
- **Special Remarks on Reactivity:**
  Has excellent keeping qualities. Does not turn rancid unless subjected to excessive heat. Should be protected from freezing.
Section 11: Toxicological Information

Routes of Entry: Absorbed through skin. Eye contact.

Toxicity to Animals:
LD50: Not available. LC50: Not available.

Chronic Effects on Humans: Not available.

Other Toxic Effects on Humans: Slightly hazardous in case of skin contact (irritant), of ingestion, of inhalation.

Special Remarks on Toxicity to Animals: Not available.

Special Remarks on Chronic Effects on Humans: Not available.

Special Remarks on other Toxic Effects on Humans:
Acute Potential Health Effects: Skin: May cause skin irritation. Eyes: May cause eye irritation. Ingestion: May cause digestive tract irritation. It is considered a purgative and stimulates smooth muscle of the digestive tract. Inhalation: Mist may cause

Section 12: Ecological Information

Ecotoxicity: Not available.

BOD5 and COD: Not available.

Products of Biodegradation:
 Possibly hazardous short term degradation products are not likely. However, long term degradation products may arise.

Toxicity of the Products of Biodegradation: Not available.

Special Remarks on the Products of Biodegradation:

Section 13: Disposal Considerations

Waste Disposal:

Section 14: Transport Information

DOT Classification: Not a DOT controlled material (United States).

Identification: Not applicable.

Special Provisions for Transport:

Section 15: Other Regulatory Information

Federal and State Regulations: TSCA 8(b) inventory: Castor oil

Other Regulations: EINECS: This product is on the European Inventory of Existing Commercial Chemical Substances.

Other Classifications:
WHMIS (Canada): Not controlled under WHMIS (Canada).

DSCL (EEC):
This product is not classified according to the EU regulations. Not applicable.

HMIS (U.S.A.):
- Health Hazard: 1
- Fire Hazard: 1
- Reactivity: 0
- Personal Protection: a

National Fire Protection Association (U.S.A.):
- Health: 0
- Flammability: 1
- Reactivity: 0
- Specific hazard:

Protective Equipment:

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**Section 16: Other Information**

**References:** Not available.

**Other Special Considerations:** Not available.

**Created:** 20th May 2015

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