

# Material Safety Data Sheet



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## Section 1: PRODUCT AND COMPANY IDENTIFICATION

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Vi-Jon Incorporated  
8515 Page Avenue  
Saint Louis, MO 63114

Phone: 314-427-1000  
In Case of Spill Emergency Contact:  
Chemtrec: 1-800-424-9300

**Product Name:** Castor Oil USP  
**Product Code:** 078  
**Product Use:** Emollient  
**Issue Date:** 03/31/2008  
**Supersedes Date:** None

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## Section 2: HAZARDS IDENTIFICATION

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**EMERGENCY OVERVIEW:** Keep out of reach of children.  
Appearance/Odor: A transparent, pale yellow to yellow, viscous liquid with a faint, mild odor.

**Potential Health Effects:** See Section 11 for more information.

**Symptoms of Exposure:**

Inhalation: May cause irritation of the respiratory tract.  
Ingestion: May cause nausea, vomiting and diarrhea.  
Eyes: May cause irritation to the eyes.  
Skin: None Expected.

This product does not contain any carcinogens or potential carcinogens as listed by OSHA, IARC or NTP.

This material does not contain any components that are considered hazardous by the OSHA Hazard Communication Standard (29 CFR 1910.1200).

**Potential Environmental Effects:** See Section 12 for more information.

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## Section 3: COMPOSITION/INFORMATION ON INGREDIENTS

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There are no hazardous components.

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#### Section 4: FIRST AID MEASURES

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##### Emergency first aid procedures by route of exposure:

- Inhalation:** If symptoms are experienced, remove source of contamination or move victim to fresh air. If affected person is not breathing, apply artificial respiration. If breathing is difficult, give oxygen. Get medical attention.
- Ingestion:** Do not induce vomiting. If the material is swallowed and symptoms are experienced, get medical attention or advice.
- Skin:** If irritation is experienced, flush with water. If irritation persists, get medical attention.
- Eyes:** Immediately flush eyes with water for at least 15 minutes while holding eyelids open. If symptoms persist, get medical attention.

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#### Section 5: FIRE FIGHTING MEASURES

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**Flash Point:** 229°C

**Method Used:** Not Available

**Auto Ignition:** 449°C

**Flammability Classification:** Not Available

**Extinguishing Media:** Use methods appropriate for the surrounding fire. Consider water spray or fog, carbon dioxide, dry chemical powder, alcohol foam, or polymer foam.

**Products of Combustion:** Upon decomposition this product may emit carbon dioxide, carbon monoxide and/or low molecular weight hydrocarbons.

**Fire Fighting Equipment/Instructions:** Wear protective clothing and equipment suitable for the surrounding fire, including helmet, facemask, and self contained breathing apparatus.

**NFPA Rating:** Health:1 Fire: 1 Instability:0

**Hazard Scale:** 0 = Minimal 1 = Slight 2 = Moderate 3 = Serious 4 = Severe

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#### Section 6: ACCIDENTAL RELEASE MEASURES

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**Personal Precautions:** For large spills wear gloves, safety glasses and when levels exceed OSHA PEL use appropriate NIOSH approved respiratory protection. Keep unnecessary personnel away. Eliminate all sources of ignition or flammables that may come into contact with a spill of this material.

**Environmental Precautions:** Prevent discharge to open waters.

**Method for Containment:** Absorb spilled liquid in suitable non-flammable inert material such as clay, vermiculite or diatomaceous earth.

**Methods for Clean-Up:** Ventilate area of leak or spill. Use spark-proof tools to sweep or scrape up and containerize in approved chemical waste container. Wash spill area.

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#### Section 7: HANDLING AND STORAGE

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**Handling:** Keep away from heat, sparks and flame. Prevent contact with eyes.

**Storage:** Keep the container tightly closed and in a cool, well ventilated place.

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**Section 8: EXPOSURE CONTROLS/PERSONAL PROTECTION**

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**Engineering Controls:** Normal room ventilation is usually adequate under normal use.

**Personal Protective Equipment (PPE)**

**Eye/Face Protection:** None needed under normal use.

**Skin Protection:** None needed under normal use.

**Respiratory Protection:** None needed under normal use.

**General Hygiene Considerations:** Wash hands after use.

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**Section 9: PHYSICAL AND CHEMICAL PROPERTIES**

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**Appearance/Color:** Transparent Pale Yellow to Yellow Thick Liquid

**Odor:** Faint Mild Odor

**Physical State:** Liquid

**pH:** Not Available

**Vapor Density:** Not Available

**Boiling Point:** 313°C

**Vapor Pressure:** Not Available

**Melting Point:** Not Available

**Freezing Point:** Not Available

**Flash Point** (see section 5)

**Flammability Properties** (see section 5)

**Solubility** (in water): Insoluble

**Density @ 25°C:** 0.957-0.961

**Evaporation Rate:** Not Available

**Octanol/Water partition coefficient (Kow):** Not Available

**Auto-ignition temperature:** Not Available

**Decomposition temperature:** Not Available

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**Section 10: STABILITY AND REACTIVITY**

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**Stability:** Stable under normal ambient temperatures 70°C (21°C)

**Condition to Avoid:** Avoid excessive heat or sources of ignition.

**Incompatible Materials:** This product reacts with strong acid, strong bases, and oxidizing agents.

**Hazardous Decomposition:** upon decomposition, this product evolves carbon monoxide, carbon dioxide, and/or low weight hydrocarbons.

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

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**Section 11: TOXICOLOGY INFORMATION**

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**ACUTE EFFECTS:**

**A: General Product information**

Not expected to cause irritation when used in accordance to label.

CHRONIC EFFECTS:

**Carcinogenicity:** No information available for product.

**Neurotoxicity:** No information available for product.

**Mutagenicity:** No information available for product.

**Reproductive:** No information available for product.

**Developmental:** No information available for product.

**Target Organs:** No information available for product.

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**Section 12: ECOLOGICAL INFORMATION**

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No information available for product.

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**Section 13: DISPOSAL CONSIDERATIONS**

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Dispose of in accordance with federal, state, and local regulations.

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**Section 14: TRANSPORTATION INFORMATION**

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This material is not regulated as a hazardous material for transportation.

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**Section 15: REGULATORY INFORMATION**

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This material is a partially exempt chemical substance under 40 CFR 710.46(b)(2).

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**Section 16: Other Information**

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Prepared by: Vi-Jon Inc.

Disclaimer:

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