

# 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:** Non-Acetone Nail Polish Remover

**Product Code:** 688

**Product Use:** Nail Polish Remover

**Issue Date:** 03/19/2008

**Supersedes Date:** August 2007

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## Section 2: HAZARDS IDENTIFICATION

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**EMERGENCY OVERVIEW:** Keep out of reach of children.

Appearance/Odor: Pink Liquid with an alcohol/ethyl acetate/ fruity odor.

**WARNING:**

Flammable (ethyl alcohol, ethyl acetate)

Target (ethyl alcohol) respiratory system, skin, eyes, CNS, liver, blood and reproductive system.

Target (ethyl acetate) eye, skin and upper respiratory tract irritation.

**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: May cause irritation to the skin.

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

This material contains 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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Component	CAS#	% by Wt.
Ethyl Alcohol	64-17-5	28.8%
Ethyl Acetate	141-78-6	45.0%

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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, get medical attention or advice.
- Skin:** After skin contact, wash with soap and 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:** 32°F (0°C)

**Method Used:** Tag Closed Cup

**Lower Flammable Limit:** 2.6 (Volume % in air)

**Upper Flammable Limit:** 12.8 (Volume % in air)

**Auto Ignition:** (Ethyl Alcohol) 363°C

**Auto Ignition:** (Ethyl Acetate) 426.67

**Flammability Classification:** Flammable Liquid IB

**Suitable Extinguishing Media:** Consider carbon dioxide, dry chemical powder, or alcohol resistant foam.

**Unsuitable Extinguishing Media:** Water may be ineffective because of the low flash point of ethyl acetate.

**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: 3 Reactivity: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 with water.

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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. Avoid inhalation.

**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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### Exposure Guidelines

Ethyl Alcohol (64-17-5)

ACGIH: 1,000 ppm TWA

OSHA: 1,000 ppm TWA; 1,900 mg/m<sup>3</sup> TWA

Ethyl Acetate (141-78-6)

ACGIH: 400 ppm TWA

OSHA: 400 ppm TWA

**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 skin after use.

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**Section 9: PHYSICAL AND CHEMICAL PROPERTIES**

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**Appearance/Color:** Clear, Pink

**Odor:** Alcohol/Ethyl Acetate/Fruity

**Physical State:** Liquid

**pH:** 6.0-8.5

**Vapor Density:** (Ethyl Acetate) 3.04 (air=1)

**Boiling Point:** (Ethyl Acetate) 77.11°C

**Vapor Pressure:** (Ethyl Acetate) 91.84 hPa at 18.7°C

**Melting Point:** (Ethyl Acetate) -83.6°C

**Freezing Point:** Not Available

**Flash Point** (see section 5)

**Flammability Properties** (see section 5)

**Solubility** (in water): Soluble

**Specific Gravity @ 25°C:** 0.893-0.933

**Evaporation Rate:** Not Available

**Octanol/Water partition coefficient (Kow):** (Ethyl Acetate): -0.6

**Auto-ignition temperature:** (Ethyl Acetate) 426.67°C

**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**

Product contains ethyl alcohol and ethyl acetate. Not expected to cause irritation when used in accordance to label.

**B: Component Analysis LD50**

Ethyl Alcohol (64-17-5)

Oral LD50 Rat: 7060 mg/kg

Ethyl Acetate (141-78-6)

Oral LD50 Rat: 5620 mg/kg

Dermal LD50 Rabbit > 20 mL/kg

Dermal LD50 Rabbit > 18000 mg/kg

## CHRONIC EFFECTS:

### Component

Ethyl Alcohol (64-17-5)

**Carcinogenicity:** ACGIH A4 – Not Classifiable as a Human Carcinogen

**Neurotoxicity:** This product contains ethyl alcohol, a central nervous system target.

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

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

**Developmental:** Ethyl alcohol is a developmental toxin when consumed during pregnancy.

**Target Organs:** When consumed, ethyl alcohol can target the

respiratory system, skin, eyes, CNS, liver, blood and reproductive system.

## CHRONIC EFFECTS:

### Component

Ethyl Acetate (141-78-6)

**Carcinogenicity:** ACGIH A4 – Not Classifiable as a Human Carcinogen

**Neurotoxicity:** This product contains ethyl acetate, a central nervous system target.

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

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

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

**Target Organs:** Ethyl acetate can target the respiratory system, skin, and eyes.

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## Section 12: ECOLOGICAL INFORMATION

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### Ecotoxicity: Ethyl Alcohol (64-17-5)

96 hour LC50 Oncorhynchus mykiss: 12,900 mg/L (flow-through) (30days old)

96 hour LC50 Pimephales promelas 14.2 mg/L

5 min EC50 Photobacterium phosphoreum: 35,470 mg/L

30 min EC50 Photobacterium phosphoreum: 34,634 mg/L

48 hour EC50 Daphnia magna: 9,268 mg/L

24 hour EC50 Daphnia magna: 10,800 mg/L

### Ecotoxicity: Ethyl Acetate (141-78-6)

48 Hr EC50 Scenedesmus Subspicatus 3300 mg/L

96 Hr LC50 Pimephales promelas: 230mg/L [flow-through]

96 Hr LC50 Oncorhynchus mykiss: 484 mg/L [flow through]

5 min EC50 Photobacterium phosphoreum: 1180 mg/L

15 min EC50 Photobacterium phosphoreum: 5870 mg/L

2 Hr EC50 Pseudomonas fluorescens: 7400 mg/L

15 min EC50 Pseudomonas fluorescens: 1500 mg/L

48 Hr EC50 Daphnia magna: 717 mg/L

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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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Shipping Name: Consumer Commodity ORM-D

Proper Shipping Name for Non-Consumer Commodity: Flammable Liquids n.o.s., 3, UN1993, PGII.

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**Section 15: REGULATORY INFORMATION**

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Ethyl alcohol and Ethyl acetate, components of this product, are on the TSCA inventory.

**California Safe Drinking Water and Toxic Enforcement Act of 1986 (Proposition 65)**

This material contains ethyl alcohol a developmental toxicity when in alcoholic beverages.

The following components appear on one or more of the following state hazardous substance lists:

Component	CAS#	CA	MA	MN	NJ	PA
Ethyl Acetate	141-78-6	YES	YES	YES	YES	YES
Ethyl alcohol	64-17-5	YES	YES	YES	YES	YES

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**Section 16: Other Information**

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Prepared by: Vi-Jon Inc.

Disclaimer:

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