

# 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:** Turpentine Gum Spirits  
**Product Code:** 1A3  
**Product Use:** Various  
**Issue Date:** 05/09/2008  
**Supersedes Date:** March 2007

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## Section 2: HAZARDS IDENTIFICATION

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**EMERGENCY OVERVIEW:** Keep out of reach of children.  
Appearance/Odor: A clear, colorless to pale yellow liquid with a characteristic odor.

**WARNING:**  
Flammable (turpentine)  
Target (turpentine) Sensitizer, CNS impairment, lung damage, skin, eyes, kidneys, 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 a component that is 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
Turpentine	8006-64-2

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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:** For skin contact, 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:** 120°F

**Method Used:** Open Cup

**Auto Ignition:** (Ethyl Alcohol) 253°C

**Flammability Classification:** Combustible Liquid Class II

**Extinguishing Media:** Use methods appropriate for the surrounding fire. Consider carbon dioxide, dry chemical powder, or alcohol resistant 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: Not Available Fire: Not Available Reactivity: Not Available

**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: 20 ppm TWA

OSHA: 100 ppm TWA; 560 mg/m<sup>3</sup> TWA

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

### Personal Protective Equipment (PPE)

**Eye/Face Protection:** For continued use, wear safety goggles.

**Skin Protection:** None needed under normal use. For continued use, wear nitrile, PVA, or teflon gloves.

**Respiratory Protection:** None needed under normal use. If levels exceed OSHA PEL, use NIOSH-approved air purifying respirator.

**General Hygiene Considerations:** Wash thoroughly after use. Remove soiled clothing and launder separately.

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## Section 9: PHYSICAL AND CHEMICAL PROPERTIES

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**Appearance/Color:** Clear, colorless to pale yellow liquid.

**Odor:** Characteristic

**Physical State:** Liquid

**pH:** Not Available

**Vapor Density:** Not Available

**Boiling Point:** (Turpentine) 154-170°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

**Specific Gravity @ 25°C:** 0.860-0.885

**Evaporation Rate:** Not Available

**Octanol/Water partition coefficient (K<sub>ow</sub>):** Not Available

**Auto-ignition temperature:** (Turpentine) 253°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 turpentine.

**B: Component Analysis LD50**

Turpentine (8006-64-2)

Oral LD50 Rat: 5760 mg/kg

Inhalation LC50 Rat: 13,700 mg/m<sup>3</sup>/4H

**CHRONIC EFFECTS:****Component**

Turpentine (8006-64-2)

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

**Neurotoxicity:** This product is 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:** Sensitizer, CNS impairment, lung damage, skin, eyes, kidneys, and upper respiratory tract irritation.

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**Section 12: ECOLOGICAL INFORMATION**

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**Ecotoxicity:** Turpentine (8006-64-2)

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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Shipping Name: Consumer Commodity ORM-D

Proper Shipping Name for Non-Consumer Commodity: Turpentine, 3, UN1299, PGIII.

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**Section 15: REGULATORY INFORMATION**

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Turpentine is on the TSCA inventory.

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

Component	CAS#	CA	MA	MN	NJ	PA
Turpentine	8006-64-2	Yes	Yes	Yes	Yes	Not Available

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**Section 16: Other Information**

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Prepared by: Vi-Jon Inc.

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