

NC 20198

**MATERIAL****I. IDENTITY:**

Label Name: **Tape Remover**  
 Item Numbers: **201033**

Date Prepared: **12/29/99**

Chemical Name and Synonyms: **N/A**  
 Chemical Family: **Mixture**  
 Manufacturer: **Cramer Products, Inc.**  
**153 West Warren**  
**Gardner, KS 66030**

Package types: **Plastic bottle**  
 Product Class: **Solvent solution**  
 Emergency Telephone No.  
**(913) 856-7511**

**II. HAZARDOUS INGREDIENTS:**

| Hazardous Components | CAS #     | OSHA   | PEL | ACGIH  | TLV | %   |
|----------------------|-----------|--------|-----|--------|-----|-----|
| Isopropyl Alcohol    | 67-63-0   | 400ppm |     | 400ppm |     | <90 |
| Mineral Oil          | 8042-47-5 | None   |     | None   |     | ~10 |

**III. PHYSICAL CHARACTERISTICS:**

Boiling Point: **~ 180° F**  
 Vapor Pressure: **~ 33 mm. Hg**  
 Vapor Density: (Air=1): **~ 2**  
 Solubility in Water: **Very soluble**  
 Appearance and Odor: **clear blue liquid**

Specific Gravity (Water=1): **~0.8**  
 Melting Point: **liquid at room temperature**  
 Evaporation Rate: **unknown**  
 Percent Volatile by Volume: **90**

**IV. FIRE AND EXPLOSION HAZARD:**Flash Point: **~ 50° F (closed cup)**

Flammable Limits: **2.0 – 12.7**  
**(Isopropyl alcohol)**

Extinguishing Media: **alcohol type foam or dry chemical**

Special Fire Fighting Procedures: **Use water spray to cool exposed surfaces. Allow fire to burn under controlled conditions or extinguish. If leak or spill has not ignited, use water spray to disperse vapor. Try to cover liquid spills with foam.**

Hazardous Combustion Products: **Carbon monoxide and carbon dioxide****V. REACTIVITY DATA:**Stability: **Stable**

Incompatibility to Avoid: **Caustics, amines, alkanolamines, strong oxidizers and chlorinated compounds.**

Hazardous Decomposition Byproducts: **None**Hazardous Polymerization: **Will not occur**Conditions to Avoid: **None known**

**VI. HEALTH HAZARD DATA:**

Effects of acute overexposure for: Isopropyl Alcohol

**Eyes:** Can cause severe irritation, redness, tearing, blurred vision

**Skin:** Prolonged or repeated contact can cause moderate irritation, defatting, dermatitis.

**Breathing:** Excessive inhalation of vapors can cause nasal and respiratory irritation, headache, possible unconsciousness, and even death.

**Swallowing:** Can cause gastrointestinal irritation, nausea, vomiting and diarrhea.

Effects of chronic overexposure: Isopropyl Alcohol has been found to cause damage to the liver, kidneys and brains of laboratory animals.

**Emergency and First Aid Procedures:**

**If in eyes:** Flush with large amounts of water for at least 15 minutes. Cautiously attempt to lift upper and lower lids occasionally; get medical attention immediately.

**If on skin:** Thoroughly wash exposed area with soap and water.

**If breathed:** Remove to fresh air. Consult physician immediately.

**If swallowed:** Do not induce vomiting. Keep at rest. Get medical attention immediately

**VII. PRECAUTIONS FOR SAFE HANDLING AND USE:**

**Spills:** Eliminate all sources of ignition. Small spills should be flushed with large quantities of water. Larger spills should be collected for disposal.

**Waste Disposal:** Dispose of product in accordance with applicable local, county, state and federal regulations.

**Handling and Storage:** Do not use near fire, flame or hot surfaces. Do not incinerate. Do not expose to heat or store at temperatures above 120° F. Keep out of reach of children.

**VIII. CONTROL MEASURES:**

**Respiratory Protection:** None required in normal use. **Ventilation:** Use in well ventilated area.

**Protective Gloves:** None required

**Eye Protection:** Not required

**Protective Clothing or Equipment:** None required

Abbreviation Key: N/A = Not Applicable; Lel = Lower explosive limit; Uel = Upper explosive limit

The information contained herein is believed to be accurate. It is the user's obligation to determine the safe use of the product.