

## MATERIAL SAFETY DATA SHEET

### I. IDENTITY:

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

Date Prepared: **3/2/2009**

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

Conditions to Avoid: None known

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

Hazardous Decomposition Byproducts: None known.

Hazardous Polymerization: Will not occur.

**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

**IX. OTHER INFORMATION:**

NFPA Hazard Ratings: Health 1; Flammability 2; Reactivity 1

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.**