MATERIAL SAFETY DATA SHEET

I. IDENTITY:

Label Name: **Cramer De-Hesive**
Item No. 040431

Date Prepared: **10/27/2009**

Chemical Name and Synonyms: N/A
Chemical Family: Mixture

Package Type: Aerosol
Product Class: Tape Remover

Manufacturer: Cramer Products, Inc.
153 West Warren
Gardner, KS 66030

Emergency Telephone No.
(913) 856-7511

II. HAZARDOUS INGREDIENTS:

Hazardous Components	CAS #	OSHA- PEL	ACGIH- TLV	%
Hydrocarbon Propellant		1000 ppm	1000 ppm	>25%
Isobutane	75-28-5			
Propane	74-98-6			
n-Butane	106-97-8			
Isopropyl Alcohol	67-63-0	400 ppm	400 ppm	>60%
Glycerine	56-81-5	None Established	10 mg/M^3	< 5

III. PHYSICAL CHARACTERISTICS:

Boiling Point: N/A
Vapor Pressure: ~50 psig (in aerosol can)
Vapor Density: (Air=1): <1
Solubility in Water: partial
Specific Gravity (Water=1): N/A
Melting Point: N/A
Evaporation Rate: ~2.3 (liquid; Butyl Acetate =1)
Percent Volatile by Volume: >95%
Appearance and Odor: Clear spray with pleasant fragrance.

IV. FIRE AND EXPLOSION HAZARD:

Flash Point: -50°F closed cup
Extinguishing Media: Dry chemical or carbon dioxide
Flammable Limits: Lel Uel
(Isopropyl Alcohol) 2 12
Special Fire Fighting Procedures: This is an aerosol product. Use procedures for flammable aerosols.
Unusual Fire and Explosion Hazards: Contents are flammable and under pressure: if released would add to fire intensity. Rupturing containers may become projectiles.

V. REACTIVITY DATA:

Stability: stable
Conditions to Avoid: Avoid heat, sparks, open flame
Hazardous Polymerization: will not occur
Conditions to Avoid: None known
Incompatibility to Avoid: Anhydrides, isocyanates, organometallics, oxygen, and oxidizers
Hazardous Decomposition Byproducts: Thermal decomposition or burning may produce carbon monoxide and/or carbon dioxide

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. 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; administer oxygen. Consult physician immediately.
If swallowed: Immediately drink two glasses of water and induce vomiting. 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: Product is an aerosol. Do not use near fire, flame or hot surfaces. Do not puncture or 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. As with all sprays, breathing mist should be avoided.
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.