

MATERIAL SAFETY DATA SHEET

I. IDENTITY:

Label Name: **Cramer Firm Grip Spray**
Item Numbers: 061027

Date Prepared: **11/1/06**

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

Formula: N/A
Product Class: aerosol wound treatment

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	>40%
Isobutane	75-28-5			
Propane	74-98-6			
n-Butane	106-97-8			
Isopropyl Alcohol	67-63-0	400 ppm	400 ppm	>45%

III. PHYSICAL CHARACTERISTICS:

Boiling Point: N/A
Vapor Pressure: ~50 psig (in aerosol can)
Vapor Density: (Air=1): <1
Solubility in Water: partial
Appearance and Odor: Clear spray with alcohol odor and sticky residue.

Specific Gravity (Water=1): N/A
Melting Point: N/A
Evaporation Rate: ~2.3 (liquid contents; Butyl Acetate =1)
Percent Volatile by Volume: >90%

IV. FIRE AND EXPLOSION HAZARD:

Flash Point: -50°F closed cup
Extinguishing Media: Dry chemical or carbon dioxide
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.

Flammable Limits: Lel Uel
(Isopropyl Alcohol) 2 12

V. REACTIVITY DATA:

Stability: stable
Incompatibility to Avoid: Anhydrides, isocyanates, organometallics, oxygen, and oxidizers
Hazardous Decomposition Byproducts: Thermal decomposition or burning may produce carbon monoxide and/or carbon dioxide
Hazardous Polymerization: will not occur

Conditions to Avoid: Avoid heat, sparks, open flame
Conditions to Avoid: None known

11/1/06

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.