

Custodial-middle

**MATERIAL SAFETY DATA SHEET****I. IDENTITY:**

Label Name: **Cramer Tuf-Skin (colorless and original)**  
 Item Numbers: 204027, 204028, 204033, 203531

Date Prepared: 4/12/2013

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

Package type: Aerosol

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	>45%

**III. PHYSICAL CHARACTERISTICS:**

Boiling Point: N/A  
 Vapor Pressure: ~50 psig (in aerosol can)  
 Vapor Density: (Air=1): <1  
 Evaporation Rate: ~2.3 (liquid contents; Butyl Acetate =1)  
 Appearance and Odor: Clear spray with alcohol odor and sticky residue.

Specific Gravity (Water=1): N/A  
 Melting Point: N/A  
 Percent Volatile by Volume: >85%  
 Solubility in Water: partial

**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  
 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

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4/12/2013**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. 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

**IX. OTHER INFORMATION:**

NFPA Hazard Ratings: Health 1; Flammability 3; 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.**