

## MATERIAL SAFETY DATA SHEET

### I. IDENTITY:

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

Date Prepared: 10/1/2010

Chemical Name and Synonyms: N/A

Chemical Family: Mixture

Package type: Aerosol

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	>45%

### III. PHYSICAL CHARACTERISTICS:

Boiling Point: N/A

Specific Gravity (Water=1): N/A

Vapor Pressure: ~50 psig (in aerosol can)

Melting Point: N/A

Vapor Density: (Air=1): <1

Percent Volatile by Volume: >85%

Evaporation Rate: ~2.3 (liquid contents; Butyl Acetate =1)

Solubility in Water: partial

Appearance and Odor: Clear spray with alcohol odor and sticky residue.

### IV. FIRE AND EXPLOSION HAZARD:

Flash Point: -50°F closed cup

Flammable Limits: Lel Uel

Extinguishing Media: Dry chemical or carbon dioxide

(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

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: 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. 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.