

CRAMER PRODUCTS -- CRAMER TUF-SKIN (COLORLESS & ORIGINAL)
MATERIAL SAFETY DATA SHEET
NSN: 655000D004341
Manufacturer's CAGE: 24719
Part No. Indicator: A
Part Number/Trade Name: CRAMER TUF-SKIN (COLORLESS & ORIGINAL)

=====
General Information
=====

Company's Name: CRAMER PRODUCTS, INC.
Company's Street: 153 WEST WARREN
Company's City: GARDNER
Company's State: KS
Company's Country: US
Company's Zip Code: 66030
Company's Emerg Ph #: 913-884-7511
Company's Info Ph #: 913-884-7511
Distributor/Vendor # 1: DAKOTA SPORTS
Distributor/Vendor # 1 Cage: OFBL1
Record No. For Safety Entry: 001
Tot Safety Entries This Stk#: 001
Status: SE
Date MSDS Prepared: 03SEP93
Safety Data Review Date: 21MAR96
Supply Item Manager: CX
MSDS Serial Number: BYGDQ
Hazard Characteristic Code: F1

=====
Ingredients/Identity Information
=====

Proprietary: NO
Ingredient: ISOBUTANE (INGREDIENTS 1-3 COMPRISE PROPELLANT-TOTAL >25%)
Ingredient Sequence Number: 01
NIOSH (RTECS) Number: TZ4300000
CAS Number: 75-28-5
OSHA PEL: NOT ESTABLISHED
ACGIH TLV: NOT ESTABLISHED
Other Recommended Limit: NONE RECOMMENDED

Proprietary: NO
Ingredient: PROPANE (INGREDIENTS 1-3 COMPRISE PROPELLANT- TOTAL>25%)
Ingredient Sequence Number: 02
NIOSH (RTECS) Number: TX2275000
CAS Number: 74-98-6
OSHA PEL: 1000 PPM
ACGIH TLV: ASPHYXIAN; 9192
Other Recommended Limit: NONE RECOMMENDED

Proprietary: NO
Ingredient: BUTANE (INGREDIENTS 1-3 COMPRISE PROPELLANT - TOTAL>25%)
Ingredient Sequence Number: 03
NIOSH (RTECS) Number: EJ4200000
CAS Number: 106-97-8
OSHA PEL: 800 PPM
ACGIH TLV: 800 PPM; 9192
Other Recommended Limit: NONE RECOMMENDED

Proprietary: NO
Ingredient: ISOPROPYL ALCOHOL (SARA III)
Ingredient Sequence Number: 04
Percent: >60 %
NIOSH (RTECS) Number: NT8050000
CAS Number: 67-63-0
OSHA PEL: 400 PPM/500 STEL
ACGIH TLV: 400 PPM/500STEL;9192

Other Recommended Limit: NONE RECOMMENDED

Proprietary: NO
Ingredient: ROSIN ACID
Ingredient Sequence Number: 05
Percent: >10%
NIOSH (RTECS) Number: 1003892RA
CAS Number: 8050-09-7
OSHA PEL: NOT ESTABLISHED
ACGIH TLV: NOT ESTABLISHED
Other Recommended Limit: NONE RECOMMENDED
=====

Physical/Chemical Characteristics

Appearance And Odor: CLEAR SPRAY WITH SCENTED ALCOHOL ODOR AND STICKY
RESIDUE
Boiling Point: NOT GIVEN
Melting Point: NOT GIVEN
Vapor Pressure (MM Hg/70 F): 50 PSIG
Vapor Density (Air=1): < 1
Specific Gravity: NOT GIVEN
Decomposition Temperature: UNKNOWN
Evaporation Rate And Ref: 2.3 (N-BUTYL ACETATE=1)
Solubility In Water: PARTIAL
Percent Volatiles By Volume: >85%
Corrosion Rate (IPY): UNKNOWN
=====

Fire and Explosion Hazard Data

Flash Point: -50F, -46C
Flash Point Method: CC
Lower Explosive Limit: 2.00 %
Upper Explosive Limit: 12.0 %
Extinguishing Media: CARBON DIOXIDE, DRY CHEMICAL
Special Fire Fighting Proc: FIRE FIGHTERS SHOULD WEAR SELF CONTAINED
BREATHING APPARATUS AND FULL PROTECTIVE GEAR. COOL TANKS AND CONTAINERS
EXPOSED TO FIRE WITH WATER. AEROSOL PRODUCT.
Unusual Fire And Expl Hazrds: CONTENTS ARE FLAMMABLE AND UNDER PRESSURE;
IF RELEASED WOULD ADD TO FIRE INTENSITY. RUPTURING CONTAINERS MAY BECOME
PROJECTILES.
=====

Reactivity Data

Stability: YES
Cond To Avoid (Stability): HEAT, SPARKS, OPEN FLAME, ANY SOURCE OF
IGNITION.
Materials To Avoid: ANHYDRIDES, ISOCYANATES, ORGANOMETALLICS, OXYGEN AND
OXIDIZERS
=====

Health Hazard Data

Precautions for Safe Handling and Use

Control Measures

Transportation Data

Trans Data Review Date: 96081
DOT PSN Code: AGC
DOT Proper Shipping Name: AEROSOLS, FLAMMABLE,
DOT Class: 2.1
DOT ID Number: UN1950
=====

DOT Label: FLAMMABLE GAS
IMO PSN Code: AKH
IMO Proper Shipping Name: AEROSOLS/AEROSOL PRODUCT
IMO Regulations Page Number: SEE 9022
IMO UN Number: 1950
IMO UN Class: 9
IMO Subsidiary Risk Label: -
IATA PSN Code: ANB
IATA UN ID Number: 1950
IATA Proper Shipping Name: AEROSOLS, NON-FLAMMABLE, N.O.S. *
IATA UN Class: 2.2
IATA Label: NON-FLAMMABLE GAS
AFI PSN Code: ANB
AFI Symbols: *
AFI Prop. Shipping Name: AEROSOLS, NON-FLAMMABLE, N.O.S.
AFI Class: 2.2
AFI ID Number: UN1950
AFI Basic Pac Ref: A6.3
N.O.S. Shipping Name: CONTAINS ISOBUTANE, PROPANE, N-BUTANE

=====
Disposal Data
==========
Label Data
=====

Label Required: YES
Technical Review Date: 21MAR96
MFR Label Number: NONE
Label Status: F
Common Name: CRAMER TUF-SKIN (COLORLESS & ORIGINAL)
Chronic Hazard: YES
Signal Word: WARNING!
Acute Health Hazard-Moderate: X
Contact Hazard-Slight: X
Fire Hazard-Moderate: X
Reactivity Hazard-None: X
Special Hazard Precautions: PRODUCT IS AN AEROSOL. DONOT USE NEAR FIRE,
FLAME OR HOT SURFACES. DO NOT PUNCTURE OR INCINERATE. DO NOT EXPOSE TO HEAT
OR STORE AT TEMPERATURES>120F. FIRST AID: EYES: FLUSH WITH WATER FOR 15
MINUTES WHILE HOLDING EYELIDS OPEN. GET MEDICAL ATTENTION. SKIN: REMOVE
CONTAMINATED CLOTHING. WASH WITH SOAP AND WATER. TREAT FOR FROSTBITE IF
NECESSARY. GET MEDICAL ATTENTION. INHALATION: REMOVE TO FRESH AIR. RESTORE
BREATHING. GET MEDICAL ATTENTION. INGESTION: IMMEDIATELY DRINK TWO GLASSES
OF WATER AND INDUCE VOMITING. GET IMMEDIATE MEDICAL ATTENTION.
Label Name: CRAMER PRODUCTS, INC.
Label Street: 153 WEST WARREN
Label City: GARDNER
Label State: KS
Label Zip Code: 66030
Label Country: US
Label Emergency Number: 913-884-7511