

MSDS Safety Information

MSDS Date: 11/30/1998
MSDS Num: CJXXS
Product ID: CRAMER DEHESIVE, #040431
MFN: 01
Responsible Party
Cage: 24719
Name: CRAMER PRODUCTS INC
Address: 153 W WARREN
City: GARDNER KS 66030
Info Phone Number: 913-884-7511
Emergency Phone Number: 913-884-7511
Review Ind: Y
Published: Y

Contractor Summary

Cage: 24719
Name: CRAMER PRODUCTS INC
Address: 153 WEST WARREN ST
City: GARDNER KS 66030-1151
Phone: 913-856-7511
Cage: 0FBL1
Name: DAKOTA SPORTS INC
Address: 2802 W 41ST ST
Box: 88710
City: SIOUX FALLS SD 57105-8710
Phone: 605-332-2131

Ingredients

Name: HYDROCARBON PROPELLANT (ISOBUTANE, 75-28-5; PROPANE, 74-98-6; N-BUTANE, 106-97-8)
> Wt: 25.

Cas: 67-63-0
RTECS #: NT8050000
Name: ISO-PROPYL ALCOHOL
> Wt: 60.
OSHA PEL: 980 MG/M3;400 PPM
ACGIH TLV: 983 MG/M3;400 PPM
ACGIH STEL: 1230 MG/M3;500 PPM

Cas: 56-81-5
RTECS #: MA8050000
Name: GLYCERINE
< Wt: 5.
OSHA PEL: 15 MG/M3
ACGIH TLV: 10 MG/M3
ACGIH STEL: NOT ESTABLISHED

Name: FRAGRANCES
< Wt: 1.

Health Hazards Data

Effects of Exposure: EFFECTS OF ACUTE OVEREXPOSURE FROM ISOPROPYL ALCOHOL. EYES-CAN CAUSE SEVERE IRRITATION. SKIN-PROLONGED OR REPEATED CONTACT CAN CAUSE MODERATE IRRITATION, DEFATTING, DERMATITIS. BREATHING-EXCESSIVE INHALATION OF VAPORS CAN CAUSE NASAL & RESPIRATORY IRRITATION, POSSIBLE UNCONSCIOUSNESS, & EVEN DEATH. SWALLOWING-CAN CAUSE GASTROINTESTINAL IRRITATION. EFFECTS OF CHRONIC OVEREXPOSURE TO ISOPROPYL ALCO HOL HAS BEEN FOUND TO CAUSE DAMAGE TO THE LIVER, KIDNEYS & BRAIN OF LABORATORY ANIMALS.

Signs And Symptoms Of Overexposure: EYES-REDNESS, TERAING, BLURRED VISION. BREATHING-HEADACHE. SWALLOWING-NAUSEA, VOMITING, DIARRHEA.
First Aid: IF IN EYES: FLUSH WITH LARGE AMOUNTS OF WATER. CAUTIOUSLY ATTEMPT TO LIFT UPPER & LOWER LIDS OCCASIONALLY, GET MEDICAL ATTENTION IMMEDIATELY. IF ON SKIN: THOROUGHLY WASH EXPOSED AREA WITH SOAP & WATER. IF BREATHED: REMOVE TO FRESH AIR, ADMINISTER OXYGEN. CONSULT PHYSICIAN IMMEDIATELY. IF SWALLOWED: IMMEDIATELY DRINK TWO GLASSES OF WATER & INDUCE VOMITING. GET MEDICAL ATTENTION IMMEDIATELY.

Handling and Disposal

Spill Release Procedures: ELIMINATE ALL SOURCE OF IGNITION. SMALL SPILLSS SHOULD BE FLUSHED WITH LARGE QUANTITIES OF WATER. LARGER SPILLS SHOULD BE

COLLECTED FOR DISPOSAL.
Waste Disposal Methods: DISPOSE OF PRODUCT IN ACCORDANCE WITH APPLICABLE LOCAL,
STATE AND FEDERAL REGULATIONS.
Handling And Storage Precautions: 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 120F. KEEP OUT OF REACH OF CHILDREN.

=====
Fire and Explosion Hazard Information
=====

Flash Point Method: CC
Flash Point: =-45.4C, -50.F
Lower Limits: 2
Upper Limits: 12
Extinguishing Media: DRY CHEMICAL OR CARBON DIOXIDE.
Fire Fighting Procedures: THIS IS AN AEROSOL PRODUCT. USE PROCEDURES FOR
FLAMMABLE AEROSOLS.
Unusual Fire/Explosion Hazard: CONTENTS ARE FLAMMABLE AND UNDER PRESSURE. IF
RELEASED WOULD ADD TO FIRE INTENSITY. RUPTURING CONTAINERS MAY BECOME
PROJECTILES.

=====
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: NONE REQUIRED.
Other Protective Equipment: NONE REQUIRED.

=====
Physical/Chemical Properties
=====

HCC: V3
Vapor Density: <1 (AIR=1)
Evaporation Rate & Reference: ~2.3 (LIQUID CONTENT)
Solubility in Water: PARTIAL
Appearance and Odor: CLEAR SPRAY WITH SCENTED ALCOHOL ODOR AND STICKY RESIDUE.
Percent Volatiles by Volume: >85

=====
Reactivity Data
=====

Stability Indicator: YES
Stability Condition To Avoid: AVOID HEAT, SPARKS, OPEN FLAMES.
Materials To Avoid: ANHYDRIDES, ISOCYANATES, ORGANOMETALLICS, OXYGEN AND
OXIDIZERS.
Hazardous Decomposition Products: THERMAL DECOMPOSITION OR BURNING MAY PRODUCE
CARBON MONOXIDE AND/OR CARBON DIOXIDE.
Hazardous Polymerization Indicator: NO
Conditions To Avoid Polymerization: NONE KNOWN.

=====
Toxicological Information
=====

=====
Ecological Information
=====

=====
MSDS Transport Information
=====

=====
Regulatory Information
=====

=====
Other Information
=====

=====
Transportation Information
=====

Responsible Party Cage: 24719
Trans ID NO: 150935
Product ID: CRAMER DEHESIVE, #040431
MSDS Prepared Date: 11/30/1998
Review Date: 01/04/2000
MFN: 1
Multiple KIT Number: 0
Review IND: Y
Unit Of Issue: CY
Type Of Container: CYLINDER

=====
Detail DOT Information
=====

DOT PSN Code: AGC
DOT Proper Shipping Name: AEROSOLS, FLAMMABLE,

DOT PSN Modifier: (EACH NOT EXCEEDING 1 L CAPACITY)
Hazard Class: 2.1
UN ID Num: UN1950
Label: FLAMMABLE GAS
Special Provision: N82
Non Bulk Pack: NONE
Bulk Pack: NONE
Max Qty Pass: 75 KG
Max Qty Cargo: 150 KG
Vessel Stow Req: A
Water/Ship/Other Req: 40,48,85

=====
Detail IMO Information
=====

IMO PSN Code: AKD
IMO Proper Shipping Name: AEROSOLS o
IMDG Page Number: 2102
UN Number: 1950
UN Hazard Class: 2(T)
IMO Packaging Group: -
Subsidiary Risk Label: T
EMS Number: 2-13
MED First Aid Guide NUM: 620

=====
Detail IATA Information
=====

IATA PSN Code: ALS
IATA UN ID Num: 1950
IATA Proper Shipping Name: AEROSOLS, FLAMMABLE
IATA PSN Modifier: (EACH NOT EXCEEDING 1 L CAPACITY)
IATA UN Class: 2.1
IATA Label: FLAMMABLE GAS
Packing Note Passenger: 203
Max Quant Pass: 75KG
Max Quant Cargo: 150KG
Packaging Note Cargo: 203

=====
Detail AFI Information
=====

AFI PSN Code: ALR
AFI Symbols: *
AFI Proper Shipping Name: AEROSOLS, FLAMMABLE, N.O.S.
AFI PSN Modifier: (EACH NOT EXCEEDING 1L CAPACITY)
AFI Hazard Class: 2.1
AFI UN ID NUM: UN1950
Special Provisions: P4
Back Pack Reference: A6.3

=====
HAZCOM Label
=====

Product ID: CRAMER DEHESIVE, #040431
Cage: 24719
Company Name: CRAMER PRODUCTS INC
Street: 153 WEST WARREN ST
City: GARDNER KS
Zipcode: 66030-1151
Health Emergency Phone: 913-884-7511
Label Required IND: Y
Date Of Label Review: 01/04/2000
Status Code: A
Origination Code: F
Chronic Hazard IND: Y
Signal Word: DANGER
Health Hazard: Severe
Contact Hazard: Slight
Fire Hazard: Moderate
Reactivity Hazard: None

Hazard And Precautions: EFFECTS OF ACUTE OVEREXPOSURE FROM ISOPROPYL ALCOHOL.
EYES-CAN CAUSE SEVERE IRRITATION. SKIN-PROLONGED OR REPEATED CONTACT CAN
CAUSE MODERATE IRRITATION, DEFATTING, DERMATITIS. BREATHING-EXCESSIVE IN
HALATION OF VAPORS CAN CAUSE NASAL & RESPIRATORY IRRITATION, POSSIBLE
UNCONSCIOUSNESS, & EVEN DEATH. SWALLOWING-CAN CAUSE GASTROINTESTINAL
IRRITATION. EFFECTS OF CHRONIC OVEREXPOSURE TO ISOPROPYL ALCO HOL HAS BEEN
FOUND TO CAUSE DAMAGE TO THE LIVER, KIDNEYS & BRAIN OF LABORATORY
ANIMALS.

=====
Disclaimer (provided with this information by the compiling agencies): This
information is formulated for use by elements of the Department of Defense.
The United States of America in no manner whatsoever expressly or implied
warrants, states, or intends said information to have any application, use or
viability by or to any person or persons outside the Department of Defense

nor any person or persons contracting with any instrumentality of the United States of America and disclaims all liability for such use. Any person utilizing this instruction who is not a military or civilian employee of the United States of America should seek competent professional advice to verify and assume responsibility for the suitability of this information to their particular situation regardless of similarity to a corresponding Department of Defense or other government situation.