

MATERIAL SAFETY DATA SHEET (MSDS)

ITEM NUMBER: 870 - KRANZ VANDALISM SPRAY 18 OZ.

IDENTITY (As Used On Label and List) KRANZ VANDALISM, 18OZ.

EMERGENCY MEDICAL TELEPHONE NUMBER (24 HRS) 1-800-228-5635

Product Hazard--Health= 2, Fire= 1, Reactivity= 0, Special= 0
Hazard Rating--4 = Extreme, 3 = High, 2 = Moderate, 1 = Slight, 0 = Insignificant

Section I

KRANZ INC.
1717 TAYLOR AVE
PO BOX 1127
RACINE
WI 53405

TELEPHONE NUMBER FOR INFORMATION:

1-800-252-4731

DATE PREPARED: 08/07/90

NAME OF PREPARER: Philip T. Miller

Section II - Hazardous Ingredients/Identity Information

Components/Chemical Name	Occup. Exposure Limits (LD50) (Oral-Rat)	SARA Title III SEC 313	ACGIH TLV/TWA	% By Wt.
Methylene Chloride (CAS# 75-09-2)	1500/2400 mg/kg (oral-rat)	Yes	100	43.0
Perchloroethylene (CAS# 127-18-4)	10 g/kg (skin-rabbit)	Yes	50	10.0
Toluene (CAS# 108-88-3)	5 g/kg (oral-rabbit)	Yes	100	15.0
LPG Propellant (CAS# 68476-85-7)	NE	-	1000	25-30
Nonylphenol Ethoxylate (CAS# 9016-45-9)	4000 mg/kg (oral-rat)	-	NE	1-5
Non hazardous Ingredients*	NA	-	NA	Balance

Components Listed As A Suspected Carcinogen: Methylene Chloride listed as animal carcinogen by NTP, Perchloroethylene - IARC & NTP.

*Unidentified ingredients are not considered hazardous under the Federal Hazard Communication Standard (29 CFR 1910,1200).

Section III - Physical/Chemical Characteristics

Boiling Point: NA

Specific Gravity(H₂O=1): <1

Vapor Pressure(psig): 90 @ 130F

Solubility in Water: Negligible

Vapor Density(AIR = 1): >1

Melting Point:

Evaporation Rate(Ether = 1): <1

Appearance and Odor: Heavy, coarse wet spray, strong methylene chloride and toluene odor.

Section IV - Fire and Explosion Hazard Data

Flash Point (Method Used): ND

Flammable Limits - Propellant LEL: 1.8% **UEL:** 9.2%

Extinguishing Media: Carbon Dioxide, Dry Chemical, Foam

Special Fire Fighting Procedures: Containers should be cooled with water to prevent vapor pressure build up. Use equipment or shielding, as required, to protect personnel from bursting, rupturing or venting containers.

Unusual Fire and Explosion Hazards: At elevated temperatures (over 54C-130F) Containers may vent, rupture or burst.

Section V - Reactivity Data

Stability - *Unstable:* *Stable:* X

Incompatibility (Materials to Avoid): Oxidizing agents, heat and open flame.

Hazardous Decomposition or Byproducts: Carbon monoxide, carbon dioxide, hydrogen chloride and phosgene. Additional toxic chemicals may be formed in small amounts.

Hazardous polymerization - **May Occur:** **Will Not Occur:** X

Conditions to Avoid: Storage above 120F. Dropping as cans may burst. Open flames and hot surfaces.

Section VI - Health Hazard Data

Route(s) of Entry - **Inhalation:** X **Skin:** X **Ingestion:** X

Health Hazards (Acute and Chronic):

Signs and Symptoms of Exposure: Inhalation is the primary route of exposure and may cause dizziness, drowsiness and throat irritation. Prolonged or repeated skin contact can cause irritation and defatting of skin.

Chronic exposure to methylene chloride and perchloroethylene has caused liver toxic effects in experimental animals.

Medical Conditions Generally Aggravated by Exposure: Acute and chronic liver disease and rhythm disorders of the heart.

Emergency and First Aid Procedures: INHALATION: Move victim to fresh air and call a physician. EYES: Flush eyes immediately with water for at least 15 minutes. If irritation occurs, contact a physician. SKIN: Remove contaminated clothing. Wash skin with soap and water. Wash contaminated clothing before reuse.

Note To Physician: Adrenalin should never be given to persons overexposed to Methylene Chloride and Perchloroethylene.

Section VII - Precautions for Safe Handling and Use

Steps To Be Taken In Case Material is Released or Spilled: Remove all sources of ignition and ventilate area. Soak up spill with an inert absorbent and place into a designated disposal container. Consult local regulatory agency for proper disposition of material.

Waste Disposal Method: Do not puncture or incinerate containers. When contents are depleted continue to depress button until all gas is expelled. Dispose of container in accordance with local, state, and federal regulations.

Precautions To Be Taken In Handling And Storing: Avoid breathing vapor. Keep away from heat and flame. Use with adequate ventilation. Do not puncture or incinerate containers.

Other Precautions: Please read and follow the directions on the product label; they are your best guide to using this product in the most effective way, and give the necessary safety precautions to protect your health.

Section VIII - Employee Protection

Respiratory Protection(Type): None required if good ventilation is maintained. If exposure may exceed occupational exposure limits (Sec. II) Use a NIOSH--approved respirator to prevent overexposure.

Ventilation: *Local Exhaust Adequate Under Normal Conditions*
Mechanical (General): Optional

Protective Gloves: Chemical resistant gloves.

Eye Protection: Chemical Safety glasses.

Other Protective Clothing or Equipment: Wear impervious clothing to prevent skin contact.

Work/Hygienic Practices: Ensure strict sanitary conditions are conformed to when working around chemicals. Protective clothing and equipment in accordance with 29 CFR 1910.132 and CFR 1910.133.

Special IX--Other Regulatory Controls

Ingredients of this product are listed on the EPA/TSCA Inventory of Chemical Substances.

Special X Transportation Requirements (D.O.T. Classification)

Shipping Name: Consumer Commodity Hazard Class: ORM-D

NA-- Not Applicable NE-- Not Established UN-- Unavailable ND-- Not Determined

The information provided herein was believed to be accurate at the time of preparation or prepared from sources believed to be reliable, but it is the responsibility of the user to investigate and understand other pertinent sources of information, to comply with all laws and procedures applicable to the safe handling and use of product and to determine the suitability of the product for its intended use.