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3410 NE 5th Avenue, Oakland Park, Florida 33334

MATERIAL SAFETY DATA SHEET

DATE OF PREPARATION: June 17, 1991 **EMERGENCY TELEPHONE #:** (954) 565-8475

UPDATE : January 2006 **AFTER HOURS** 800-424-9300

SECTION I: PRODUCT IDENTIFICATION

Product Name: Deep Freeze Burst Top

Product Number: 16 oz can 12 oz fill.

Product Class: Self Defense Spray, Aerosol

D.O.T. Shipping Class: ORM-D Consumer Commodity

Product Description: Deep Freeze Aerosol irritant projectors are intended to be used as an intermediate force weapon to control violent, combative or resistant arrest subjects. The device is a weapon. Use with care following agency guidelines. Post exposure treatment and aftercare should follow guidelines shown in Section V.

SECTION II: HAZARDOUS INGREDIENTS

INGREDIENT PRESSURE	PERCENT	EXPOSURE LIMITS PEL	VAPOR
PROPRIETARY BLEND CARRIER		100 PPM*	14.0
2003 SPECIAL FORMULA 2K3			
TRADE SECRET: As defined in Hazard Communication			
Act 29 CFR 1910.1200 Para 1 (i) end Appendix D to			
CFR 1910.1200			
PROPELLANT DYMEL 134A @ 70°F		1000 PPM	60 PSIG

ACTIVE INGREDIENTS

ORTHOCHLOROBENZALMALONONITRILE .4MgM3 N/A

OLEORESIN CAPSICUM 2 MILLION SHU Not Established Not Known

DEFINITIONS

Acute - Severe but short term.

Chronic - Lasting along time or recurring.

Irritant - A Chemical which is not corrosive but which causes a reversible inflammatory effect on living tissue by chemical reaction.

PEL - Permissible exposure level - the exposure limit which shall not be exceeded as an eight hour **time weighted average**.

DEEP FREEZE is a strong irritant effecting skin, eyes nose and breathing. It is a non-persistent acute (short term) exposure which can be relieved with running water and soap for cleanup of the oleoresin capsicum. One of the solvents used is a suspected carcinogen in laboratory testing with **chronic** exposure. No health risk has been found from **acute** exposure.

SECTION III: PHYSICAL DATA

Boiling Range:	237/242
Vapor Density:	2.1 (air=1) Heavier than air
Percentage Volatile by weight:	99%
Evaporation Rate:	1.7 (Butyl Acetate=1)
Weight per gallon:	>9 lbs.
Specific Gravity:	0.786 @ 60° F
Appearance:	Amber Liquid
Odor:	Slight Pungent Odor

SECTION IV: FIRE AND SAFETY EXPLOSION HAZARD DATA

Flammability Classification OSHA:	Non Flammable
Shipping Classification D.O.T.:	ORM-D
Flash Point:	Not determined all ingredients are non-flammable
Flammable Levels in Air:	Lower: N/A Upper: N/A
Extinguishing Media:	Foam, Water Fog, CO ₂

Unusual Fire and Explosion Hazards: Do not expose to heat or flame or store above 120° F as high internal pressures may cause leaking.

Special Fire Fighting Procedures: Full protective equipment including self contained breathing

apparatus should be used, Fog nozzles should be used to cool closed containers to prevent pressure buildup. Move undamaged containers from fire area if accomplished without risk.

SECTION V: HEALTH HAZARD DATA

PRIMARY ROUTE (S) OF ENTRY: Dermal, Inhalation, Eyes

EMERGENCY AND FIRST AID PROCEDURE:

EYES: Flush eyes with large quantities of water to speed recovery. Face subject into wind or forced air source such as fans or air conditioning outlet. Wash face with mild soap

SKIN CONTACT: Remove contaminated clothing. Wash affected area with soap and water to avoid transfer to more sensitive areas. Burning sensation with skin contact in most areas. Use no creams or salves. Persons with preexisting skin disorders may be more susceptible to the effects of this agent.

INHALATION: Irritant, stimulation of facial nerves causes feeling of restricted airway. No danger exists for asphyxiation. Remove persons to fresh air.

INGESTION: Severe burning heartburn sensation may cause nausea. Seek medical attention if nausea persists.

PHYSIOLOGICAL EFFECTS AND HEALTH INFORMATION

EYE EFFECTS: This product is an eye irritant, Tearing and redness of the eyes will occur. Flush with water lifting upper and lower lids occasionally.

This product has been thoroughly tested by FDA approved Labs and has been found to have minor non persistent eye irritation, not to cause dermatitis, and is not toxic in this form.

SECTION VI: REACTIVITY DATA

STABILITY:	Stable
HAZARDOUS POLYMERIZATION:	Will Not Occur
CONDITIONS TO AVOID:	Heat, open flames.
INCOMPATIBILITY (MATERIALS TO AVOID):	Strong Acids, Alkalies and Oxidizers.

SECTION VII: SPILL OR LEAK PROCEDURES

STEPS TO BE TAKEN IN CASE MATERIAL IS RELEASED OR SPILLED: Ventilate area. Remove all possible sources of ignition. Avoid prolonged breathing of vapors. Confine spill with inert absorbent. Wear protective equipment during clean up.

WASTE DISPOSAL: Incinerate in an approved incinerator or dispose of in accordance with Local, State and Federal Regulations.

SECTION VIII: SAFE HANDLING AND USE INFORMATION

RESPIRATORY PROTECTION: Use NIOSH/MSHA approved Chemical/Mechanical type filter system to remove a combination of particles, gas & vapor. Use air line if necessary.

VENTILATION: Use adequate ventilation in volume and pattern to keep LEL and TLV's in Section II below recommended level to produce explosion or fire. General mechanical ventilation should comply with OSHA 1910.94.

PROTECTIVE GLOVES: Use rubber gloves.

EYE PROTECTION: Safety glasses or goggles with splash guards or side shields.

OTHER PROTECTIVE EQUIPMENT: Prevent prolonged skin contact to contaminated clothing.

SECTION IX: SPECIAL PRECAUTIONS

PRECAUTIONS TO BE TAKEN IN HANDLING AND STORING: Store in a cool dry area away from sources of ignition. When storing large quantities, store in building designed and protected against fire.

DO NOT STORE IN DIRECT SUNLIGHT OR ABOVE 120⁰ F.

OTHER PRECAUTIONS: "FOR INDUSTRIAL USE ONLY" Do not take internally. If ingested, DO NOT INDUCE VOMITING. Consult a physician.

THE INFORMATION CONTAINED HEREIN IS BASED ON TECHNICAL DATA WHICH WE BELIEVE TO BE RELIABLE, HOWEVER, SINCE THE CONDITIONS UNDER WHICH THIS INFORMATION MAY BE APPLIED ARE BEYOND OUR CONTROL WE CAN ASSUME NO LIABILITY FOR RESULTS OF ITS APPLICATION. THIS INFORMATION SHOULD BE USED ONLY BY PERSONS HAVING SUFFICIENT TECHNICAL SKILL TO MAKE INFORMED JUDGMENTS REGARDING ITS APPLICATION.