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3410 NE 5th Avenue, Oakland Park, Florida 33334
MATERIAL SAFETY DATA SHEET

DATE OF PREPARATION: February 1, 2004 **EMERGENCY TELEPHONE #:** (954) 565-8475

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AFTER HOURS 800-424-9300

SECTION I: PRODUCT IDENTIFICATION

Product Name: PUNCH III 2004 FORMULA

Product Number: M-3, M-3 FLIP, M-4, M-4 FLIP

Product Class: Subject Control Spray, Aerosol

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

Product Description: 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	PERCENT	EXPOSURE LIMITS		VAPOR PRESSURE
		PEL	STEL	
DE-IONIZED WATER	88%	Non-Hazardous. Listed for information purposes only.		
OLEORESIN CAPSICUM 2 MILLION SHU	5%	Not Established	Not Found	
DYMEL 134A AS PROPELLANT	7%	1000 PPM	1000PPM	96 psg @ 77°F

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**.

PUNCH III 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. No health risk has been found from **acute** exposure.

SECTION III: PHYSICAL DATA

Boiling Range:	220° F
Vapor Density:	2.1 (air=1) Heavier than air
Percentage Volatile by weight:	7%
Evaporation Rate:	.5 (Butyl Acetate=1) slow
Weight per gallon:	7.99 lbs.
Specific Gravity:	0.998 @ 60° F
Appearance:	Amber to Light Red
Odor:	Pungent, High Bite Noticeable Taste in Throat

SECTION IV: FIRE AND SAFETY EXPLOSION HAZARD DATA

Flammability Classification OSHA:	Non Flammable
Shipping Classification D.O.T.:	ORM-D
Flash Point:	None
Flammable Levels in Air:	Lower: None Upper: None
Extinguishing Media:	Foam, Water, CO ₂ , Dry Chemical

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

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.

SKIN CONTACT: Wash affected area with soap and water to avoid transfer to more sensitive areas. Only minor sensation with skin contact in most areas.

INHALATION: Inflammatory, causes blood flow to affected area causing feeling of restricted airway. No danger exists for asphyxiation. Remove persons to fresh air.

INGESTION: Severe burning heartburn sensation may cause nausea.

PHYSIOLOGICAL EFFECTS AND HEALTH INFORMATION

EYE EFFECTS: This product is an eye irritant, Tearing and redness may occur.

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

SECTION VI: REACTIVITY DATA

STABILITY: Stable

HAZARDOUS POLYMERIZATION: Will Not Occur

CONDITIONS TO AVOID: Heat, open flames, electrical and static discharges.

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 PEL and STEL'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 LAW ENFORCEMENT USE ONLY" Do not take internally. If ingested, DO NOT INDUCE VOMITING. Consult a physician.

SECTION X: Hazardous Material Identification System

HEALTH

- 0-No Significant Health Risk
- 1-Irritation or Minor Reversible Injury Possible
- 2-Temporary or Minor Injury May Occur
- 3-Major Injury Likely Unless Prompt Action is Taken and Medical Treatment is Given
- 4-Life Threatening; Major Permanent Damage May Result from Single or Repeated Exposures

FLAMMABILITY

- 0-Materials Will Not Burn
- 1-Flash Point Above 200^o F
- 2-Flash Point Above 100^o F below 200^o F
- 3-Flash Point Between 73^o F and 100^o F
- 4-Flash Point Below 73^o F

PHYSICAL HAZARD

- 0-Material that are normally stable even under fire conditions and will not react with water.
- 1-Material that are normally stable but can become unstable (self-react) at high temperatures and pressures; may react non violently with water to undergo hazardous polymerization in the absence of inhibitions.
- 2-Materials that are unstable; may react violently with water and undergo violent chemical changes with low risk for explosion.
- 3-Materials that may form explosive mixtures with water or undergo other chemical change at normal temperatures.
- 4-Materials capable of explosive water reaction, decomposition or polymerization.

Punch III H.M.I.S.

Health: 1

Flammability: 0

Physical Hazard: 0

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.

