

Aerko International, 516 NE 34 Street, Ft Lauderdale, FL 33334, 954-565-8475, 954-565-8499

**SAFETY DATA SHEET**

**DATE OF PREPARATION:** April 25, 1990    **EMERGENCY TELEPHONE #:** (954) 565-8475

**UPDATE :** January 31, 2017    **AFTER HOURS** 800-424-9300

**SECTION 1 PRODUCT IDENTIFICATION**

**Product Name:** PUNCHII 2K3 Aerosols various sizes  
**Product Class:** Self Defense Spray , Aerosol  
**D.O.T. Shipping Class:** ORM-D Consumer Commodity, Aerosol Non Flammable UN1950

**SECTION 2 HAZARDOUS IDENTIFICATION**

**Aerosol, Non Flammable UN 1950 2.1**



**Caution**

Contents under pressure trans 1,3,3,3, Tetrachloroprop-l-ene Pepper spray contains Oleoresin Capsicum (Capsaicin) food grade cayenne pepper oil not regulated as hazardous material but is a strong irritant inflammatory agent effecting eyes, skin and respiratory system

**GHS-US labeling**

Hazard pictograms (GHS-US) :

GHS02  
GHS07

Signal word (GHS-US) : Danger

Hazard statements (GHS-US) : H225 - Highly flammable liquid and vapor

H319 - Causes serious eye irritation

H335 - May cause respiratory irritation

Precautionary statements (GHS-US) : P210 - Keep away from heat, hot surfaces, open flames, sparks. - No smoking

P233 - Keep container tightly closed

P240 - Ground/bond container and receiving equipment

P264 - Wash exposed skin thoroughly after handling

P271 - Use only outdoors or in a well-ventilated area

P280 - Wear eye protection, face protection, protective clothing, protective gloves

P312 - Call a POISON CENTER or doctor/physician if you feel unwell

P337+P313 - If eye irritation persists: Get medical advice/attention

P370+P378 - In case of fire: Use dry chemical powder, alcohol-resistant foam, carbon dioxide (CO2) to extinguish

P501 - Dispose of contents/container to comply with local, state and federal regulations

P235 - Keep cool

If inhaled: Remove person to fresh air and keep comfortable for breathing

**PUNCHII 2K3** 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.

**SECTION 3 COMPOSITION/INFORMATION ON INGREDIENTS**

INGREDIENT	PERCENT	OCCUPATIONAL EXPOSURE LIMITS		VAPOR PRESSURE
		TLV	PEL	
<b>PROPRIETARY BLEND CARRIER</b> <b>2003 SPECIAL FORMULA 2K3</b> <b>TRADE SECRET:</b> As defined in Hazard Communication Act 29 CFR 1910.1200 Para 1 (i) end Appendix D to CFR 1910.1200		103	145	17.4
<b>PROPELLANT</b> 1234ZE Case 21118-24-9		8000	8000	70 PSIG @ 70°F
<b>ACTIVE INGREDIENTS</b> OLEORESIN CAPSICUM 2 MILLION SHU    Not Established    Not Known				

## **SECTION 4 FIRST AID MEASURES.**

**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. Remove contaminated clothing

**INHALATION** Irritant stimulation of facial nerves causes feeling of restricted airway. No danger exists for asphyxiation Remove persons to fresh air. Move individual away from exposure to fresh air.

**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 5 FIRE FIGHTING MEASURES**

### **FIRE AND SAFETY EXPLOSION HAZARD DATA**

**Flammability Classification OSHA:** Non Flammable  
**Shipping Classification D.O.T.:** ORM-D  
**Flash Point:** Not Determined exceeds 300°F  
**Flammable Levels in Air:** Lower: N/A Upper: N/A  
**Extinguishing Media:** Foam, Water Fog, CO<sub>2</sub>

**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:** Suitable extinguishing media, dry chemical, carbon dioxide, water spray. 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.

**Precaution for Fire Fighting** No flash point. This products contains halogens which inhibit flashing until the solvent has evaporated away. Use water spray to cool containers until fire is out.

## **SECTION 6 ACCIDENTAL RELEASE MEASURES**

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

**Personal Precautions** Persons not wearing protective equipment should be excluded from the area of the spill until clean up is completed.

**Methods for Clean Up** Keep in suitable containers for disposal soak up spill with absorbent pads, absorbent socks or loose absorbent. Other; comply with all applicable federal, state and local regulations.

## **SECTION 7 HANDLING AND STORAGE**

**RESPIRATORY PROTECTION:** Use NIOSH/MSHA approved Chemical/Mechanical type filter system to remove a combination or 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 8 EXPOSURE CONTROLS/PERSONAL PROTECTION**

INGREDIENT	PERCENT	OCCUPATIONAL EXPOSURE LIMITS		VAPOR PRESSURE
		TLV	PEL	
<b>PROPRIETARY BLEND CARRIER</b> <b>2003 SPECIAL FORMULA 2K3</b>		103	145	17.4
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<b>ACTIVE INGREDIENTS</b>				
OLEORESIN CAPSICUM 2 MILLION SHU	Not Established			Not Known

## SECTION 9 PHYSICAL AND CHEMICAL PROPERTIES

<b>Physical State:</b>	Liquid and Non Flammable gas in an aerosol can
<b>Boiling Range:</b>	-26.5°C (-15°F) for gas 121.3°C/250.3°F for liquid
<b>Vapor Pressure</b>	68 PSIA @ 25°C -77°F
<b>Vapor Density:</b>	4.3 (air=1) Heavier than air
<b>Percentage Volatile by weight:</b>	99%
<b>Evaporation Rate:</b>	1.7 (Butyl Acetate=1)
<b>Weight per gallon:</b>	>9 lbs.
<b>Specific Gravity:</b>	1.6 @ 60° F
<b>Appearance:</b>	Amber Liquid
<b>Odor:</b>	Slight Pungent Odor
<b>Lower explosive Limit</b>	No Data Available
<b>Upper explosive Limit</b>	No Data Available

## SECTION 10 STABILITY REACTIVITY

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

## SECTION 11 TOCICOLGICAL 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 12 ECOLOGICAL INFORMATION

For detailed Ecological data, write or call the address or non-emergency number shown in Section 1

### ENVIRONMENTAL FATE

**MOVEMENT & PARTITIONING:** Bioconcentration potential is low (BCF less than 100 or Log Pow less than 3). Bioconcentration factor (BCF) is a 49 in the bluegill. Bioconcentration factor (BCF) is 38.9 in the trout. Log octanol/water partition coefficient (log Pow) is 3.4. Potential for mobility in soil

OR ® INDICATES A TRADEMARK OF THE DOW CHEMICAL COMPANY IS MEDIUM (Koc between 150 and 500). Log soil organic carbon partition coefficient (Log Koc) is estimated to be 2.1-3.2. Henry's Law Constant (H) is 1.49E-02 atm-m<sup>3</sup>/mol. Log air/water partition coefficient (log Kaw) is estimated to be -0.30 tp 0.37.

**DEGRADATION & PERSISTENCE:** Biodegradation under aerobic conditions is below detectable limits. Theoretical oxygen may occur under anaerobic conditions (in the absence of oxygen). Degradation is expected in the atmospheric environment within days to weeks/ Biodegradation rate may increase in soil and/or water with acclimation

**ECOTOXICOLONY:** Material is moderately toxic to aquatic organisms on an acute basis (LC50 between 1 and 10 mg/L in most sensitive species). Acute LC50 for Japanese medaka or rice fish (*Oryzias latipes*) is 1.6 mg/L Acute LC50 for rainbow trout (*Oncorhynchus mykiss*) is 4.8-5.8 mg/L Acute LC50 for sheepshead minnow (*Cryprinodon variegates*) is 8.0-52.2 mg/L. Acute LC50

for American Flagfish *Jordenella floridae* is 8.4-24 mg/L. Acute LC50 for bluegill (*Lepomis macrochirus*) is 13 mg/L. Acute LC50 for fathead minnow (*Pimephales promelas*) is 13.4-23 mg/L. Maximum acceptable toxicant concentration (MATC) is 3.1 mg/L. in American Flagfish

Toxic to Fish

Bio accumulation may occur in high concentration

### **SECTION 13 DISPOSAL CONSIDERATION**

(See Section 15 for Regulatory information)

DISPOSAL: DO NOT DUMP INTO ANY SEWERS, ON THE GROUND, OR INTO ANY BODY OF WATER. All disposal methods must be in compliance with all Federal, State/Provincial and local laws and regulations. Regulations may vary in different locations. Waste characterizations and compliance with applicable laws are the responsibility solely of the waste generator. THE DOW CHEMICAL COMPANY HAS NO CONTROL OVER THE MANAGEMENT PRACTICES OR MANUFACTURING PROCESSES OR PARTIES HANDLING OR USING THIS MATERIAL. THE INFORMATION PRESENTED HERE PERTAINS ONLY TO THE PRODUCT AS SHIPPED IN ITS INTENDED CONDITION AS DESCRIBED IN MSDS SECTION 2 (Composition/Information On Ingredients).

FOR UNUSED & UNCONTAMINATED PRODUCT, the preferred options include sending to a licensed. Permitted recycler, reclaimer, incinerator or other thermal destruction device.

### **SECTION 14 TRANSPORTATION INFORMATION**

UN1950 Aerosols Non Flammable

### **SECTION 15 REGULATORY INFORMATION**

((Not meant to be all-inclusive—selected regulations represented))

NOTICE: The information herein is presented in good faith and believed to be accurate as of the effective date shown above. However, no warranty, express or implied is given. Regulatory requirements are subject to change and may differ from one location to another; with federal, state or provincial and local laws. The following specific information is made for the purpose of complying with numerous federal state or provincial, and local laws and requisitions.

Warning this product contains a chemical known to the State of California to Cause Cancer