

# MATERIAL SAFETY DATA SHEET

May be used to comply with 29 CFR1910.1200.

American Defense™

Red Formula

## SECTION 1: PRODUCT AND COMPANY IDENTIFICATION

Product Name: AMERICAN DEFENSE™ (Red)  
Manufacturer: RELIAPON POLICE PRODUCTS, INC.  
3112 Seaborg Avenue, Suite C  
Ventura, CA 93003-7648  
Telephone Number: (800) 423-0668 / (800) 424-9300  
EPA Registration #: None  
Date Prepared: January 2, 2005  
Code Number: ADR  
Chemical Family: Aerosol, Non-Flammable  
MSDS Number: 04-100  
Product Class: Self Defense Spray, Aerosol  
D.O.T. Shipping Class: ORM-D Consumer Commodity

## SECTION 2: COMPOSITION / INFORMATION ON INGREDIENTS

**THIS PRODUCT CONTAINS NO CARCINOGENS OR ISOPROPYL ALCOHOL**

<u>INGREDIENTS:</u>	OSHA <u>PEL</u>	ACGIH <u>TLV</u>	Other Exposure <u>Limits</u>	CAS <u>Number</u>
Inert Proprietary Formula ( <i>Trade Secret</i> ):	N/A	N/A	N/A	N/A
Oleoresin Capsicum:	N/A	N/A	N/A	N/A
HFC 134a:	N/A	N/A	1000 PPM (WEEL) 811-97-2	
Nitrogen	N/A	N/A	N/A	7727-37-9

## SECTION 3: PHYSICAL & CHEMICAL CHARACTERISTICS

Vapor Pressure: 100 psi at 25 deg C (77 deg F)  
Boiling Point: 97 deg C  
Vapor Density: 1.00 (Air = 1.0)  
Percentage Volatile by Weight: 85%  
Water Solubility: 100%  
Specific Gravity (Water = 1): 1.02  
Odor: Slight Ethereal, Pungent  
Appearance: Amber to Light Red

## SECTION 4: FIRE AND EXPLOSION DATA

Flammability Classification OSHA: Non-Flammable  
Shipping Classification D.O.T.: ORM-D  
Flash Point: Will Not Burn  
Method: TOC  
Flammable Limits in Air: Not Applicable  
Fire and Explosion Hazards: Do not expose to heat or flame or store above 120° F, as high internal pressures may cause cylinders to rupture.  
Extinguishing Media: This material is not combustible. Use extinguishing mediate appropriate for

Special Fire Fighting Procedures: surrounding fire.  
Fire fighter should wear SCBA and full protective clothing.  
Use water spray to cool nearby containers and structures exposed to fire.

## SECTION 5: PHYSICAL DATA (Reactivity Data)

Stability: Stable. Polymerization will not occur.

Conditions to Avoid: Heat, open flame, welding arcs or other high temperature sources, which may induce thermal decomposition.

Materials to Avoid: Strong acids, alkalis, oxidizing materials, possibly sodium, potassium and magnesium.

## SECTION 6: HEALTH HAZARDS

### PRIMARY ROUTE OF ENTRY

Eyes: Flush eyes with large quantities of water to speed recovery. Face subject into wind or a forced air source such as a fan or air conditioner outlet.

Skin Contact: Wash affected area with soap and water to avoid transfer to more sensitive areas.

Inhalation: Inflammatory, causes blood to flow to affected area, causing feeling of restricted airway. Move persons to fresh air.

Ingestion: Severe burning heartburn sensation may cause nausea.

### TREATMENT

### PHYSIOLOGICAL EFFECTS AND HEALTH INFORMATION

Eye Effects: This product is an eye irritant. Tearing and redness may occur.

Skin Effects: Over-exposure skin contact with the liquid may cause frostbite.

## SECTION 7: SPECIAL PRECAUTIONS AND SPILL / LEAK PROCEDURES

STORAGE AND HANDLING: Ventilate and remove all possible sources of ignition. Avoid prolonged breathing of vapors. Confine spill with inert absorbers. Wear protective equipment during clean up operations. Keep out of sewers, storms drains, surface water, and soil.

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

## SECTION 8: SPECIAL PROTECTION INFORMATION / CONTROL MEASURES

### PRECAUTIONS TO BE TAKEN IN HANDLING AND STORAGE

Respiratory Protection: Use NIOSH / MSHA approved chemical /mechanical type filter system to remove a combination of particles, gas and vapor. Use air line if necessary.

Ventilation: Use adequate ventilation in volume and pattern to keep PEL and TLV in section 2 below recommended level(s) to avoid possible 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.

DO NOT STORE IN DIRECT SUNLIGHT OR AT TEMPERATURES ABOVE 120°F. Store in cool, dry area away from sources of ignition. When storing large quantities, store in building designed and protected against fire.

### OTHER PRECAUTIONS

- FOR INDUSTRIAL USE ONLY.

- DO NOT TAKE INTERNALLY. If ingested, DO NOT induce vomiting. Call EMS / 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. PERSONS HAVING SUFFICIENT SKILL TO MAKE INFORMED JUDGMENTS REGARDING ITS APPLICATION SHOULD USE THIS INFORMATION.