

# Combined Systems, Inc.

**MSDS**

Material Safety Data Sheet

Emergency Number: 1-800-535-5053 (INFOTRAC)

Non-Emergency Number: (888)-989-7800

CTS Level 1 Pepper Spray - Stream Spray Pattern: Major Capsaicinoids 0.15%-0.20%

## 1. Product Identification

MSDS: # A03a-1-2-1  
Date: Revised 01.04.2011  
Edition: 004

Model Number(s): 1311, 1411, 1611, 1911, 1111R, 1211R

Product Type: Aerosol Defense Pepper Spray

## 2. Composition

Ingredients:	CAS NO.	Ingredients:	CAS NO.
Propylene Glycol USP-13%.....	57-55-6	Distilled Water- 58%.....	N/A
Capsaicinoids-0.18%.....	404-86-4	SDA 40B-28%.....	64-17-5
Nitrogen.....	1727379		

## 3. Hazards Identification

Eye Contact: May cause superficial keratitis and conjunctivitis.  
Skin Contact: May cause skin irritation to sensitive parts upon direct contact.  
Ingestion: May cause irritation to stomach.  
Inhalation: May cause irritation in the lungs.  
Appearance: Translucent / Yellowish Liquid  
Odor: None

## 4. First Aid Measures

Eye Contact: Remove contact lenses. Flush with plenty of water for at least 15 minutes. If symptoms persist, consult a physician.  
Skin Contact: Remove contaminated clothing. Flush with water for 15 minutes. Wash with soap and water. Do not cover affected areas with creams or ointments for 6 hours.  
Ingestion: Drink large quantities of water. Do not induce vomiting. Take immediately to a hospital or physician.  
Inhalation: Remove to fresh air. Give artificial respiration if necessary. If symptoms persist, call a physician. Do not use Epinephrine.

## 5. Fire and Explosion Hazards

Closed Cup Flash Point: 212° F  
NFPA Hazard Rating: Health Hazard: ..... 1  
Fire Hazard: ..... 1  
Reactivity Hazard: ..... 0  
Specific Hazard: Contents under pressure. Contents will discharge under fire conditions.  
Estimate HMIS Code: Health Hazard: ..... 1  
Flammability Hazard: ..... 1  
Reactivity Hazard: ..... 0  
Personal Protection: Gloves, Goggles, and Respirator  
Flammability Limits @ 25° C:  
(% By volume in air) Lower: ..... Not Known  
(% By volume in air) Upper: ..... Not Known  
Recommended Extinguishing Agents: Dry Chemical, CO2, or Water Spray  
Cool Containers if exposed to fire or high heat. Contents will discharge under fire conditions.

## 6. Accidental Release Measures

Steps to be taken in case of spill or leak: ... Extinguish all flames. Absorb on appropriate sorbant. Shovel into waste container.  
Recommended methods of disposal: ... Dispose of in accordance with all federal, state, and local environmental laws.  
Fire fighting personnel must use an Air Pack.

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## **7. Handling and Storage**

Storage: Store below 120° F in shipping carton provided.  
Handling: Handle with care. Keep out of the reach of children.

## **8. Exposure Controls and Personal Protection**

Eye Protection: Wear chemical resistant goggles.  
Skin Protection: Wear protective clothing.  
Ventilation: Use Chemical Respirator, NIOSH Approved.  
Other: Use solvent resistant type with full jacket.  
Note: Fire Fighting personnel must use an air pack.

## **9. Physical and Chemical Properties**

Vapor Pressure @ 70° F: . . . . . Never Been Determined  
Vapor Density (Air = 1): . . . . . Never Been Determined  
Boiling Point: . . . . . Between 179° F - 368° F  
Appearance: . . . . . Translucent / Yellowish

Evaporation Rate (Ether = 1): . . . . Not Known  
Solubility in water (WT%): . . . . . Soluble  
Specific Gravity (H2O = 1): . . . . 0.97  
Odor: . . . . . Pungent

## **10. Stability and Reactivity**

Hazardous Products formed by thermal decomposition: None.  
Unusual Fire or Explosion Hazards: Contents will discharge in fire.  
Stability: Stable at ambient temperatures.  
Hazardous Polymerization: Will not occur.  
Hazardous Decomposition Products (Non-Thermal): None

## **11. Toxicological Information**

Toxicity: Strong skin and eye irritant. Oral LD 50 (Rat) 7.65GR/KG  
Primary routes of entry: Inhalation, skin, and ingestion.  
unconsciousness, and asphyxia. Skin contact may cause local irritation or a general allergic reaction in sensitive individuals. Signs and Symptoms of Exposure: Respiratory and skin irritation. High-inhaled amounts may cause dizziness, Existing conditions aggravated by exposure: Certain allergies in sensitive individuals.

## **12. Ecological Information**

This material released directly or indirectly into the environment is not expected to have a significant impact.

## **13. Disposal Considerations**

Recommended methods of disposal: Dispose of in accordance with all federal, state, and local environmental laws.

## **14. Transport Information**

DOT Hazard Class: 2.2  
Proper Shipping Name: Aerosol, non-flammable  
I.D. Number: UN 1950  
Reportable Quantity: N/A  
Note: Qualifies for Consumer Commodity, ORM-D exemption.

## **15. Regulatory Information**

TOXIC SUBSTANCE CONTROL ACT (TSCA): All ingredients are on the TSCA Inventory or are not required to be listed on the TSCA Inventory.

## **16. Other Information**

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