

Combined Systems, Inc.

MSDS

Material Safety Data Sheet

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

Non-Emergency Number: (856)-753-5007

CTS Inert, Fog Spray Pattern: No Active Aerosol Defense Ingredient

1. Product Identification

MSDS: # A1109

Date: 01/31/12

Edition: 001

Model Number(s): 1303, 1403, 1903

Product Type: Aerosol Defense Pepper Spray

2. Composition

Ingredients:	CAS NO.	Ingredients:	CAS NO.
Propylene Glycol	000057556	1,1,1,2-Tetrafluoroethane (134a)	000811972
Diethylene glycol n-butyl ether	000112345		

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: Yellowish/Amber Liquid
Odor: Medicinal

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

Flash Point: Method SW846 1010: >200° F

NFPA Hazard Rating: Health Hazard: 2
Fire Hazard: 1
Reactivity Hazard: 0

Avoid exposure to extreme heat. Pungent fumes may be emitted on exposure to temperature above 175F.

Hazardous thermal decomposition products may form such as carbon monoxide, carbon dioxide, and other toxic, and corrosive gases. Contents under pressure may discharge under fire conditions.

Estimate HMIS Code: Health Hazard: 2
Flammability Hazard: 1
Reactivity Hazard: 0

Personal Protection: Gloves, Goggles, 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.

7. Handling and Storage

Storage: Store below 120° F in shipping carton provided.

Handling: Handle with care. Keep out of the reach of children.

Continued on other side

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:	80 Psia	Evaporation Rate (Ether = 1):	N/A
Vapor Density (Air = 1):	3.9	PH:	N/A
Solubility in water (WT%):	NIL	Wt. % Volatile:	N/A
Boiling Point:	400° F	Specific Gravity (H2O = 1):	1.2
Appearance:	Yellowish/Amber Liquid	Odor:	Pungent, Highly irritating

10. Stability and Reactivity

Hazardous Products formed by thermal decomposition: Phosgene, Hydrogen Fluoride, Irritating fumes.
Unusual Fire or Explosion Hazards: Contents will discharge in fire. Will decompose above 250F
Decomposition products include hydrofluoric acid and fluorophosgene.
Stability: Stable at ambient temperatures. Hazardous Decomposition Products (Non-Thermal): None

11. Toxicological Information

Toxicity: Strong skin and eye irritant.
Peroral: Rat; LD 50=5660mg/kg. Percutaneous: Rabbit: LD50= 4000mg/kg (Diethylene glycol n-butyl ether)
Primary routes of entry: Inhalation, skin, and ingestion.
Signs and Symptoms of Exposure: Respiratory and skin irritation. High inhaled amounts may cause dizziness, unconsciousness, and asphyxia. Skin contact may cause frostbite (due to propellant) local irritation or a general allergic reaction in sensitive individuals.
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. (Domestic)

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

DISCLAIMER: The supplier provides no warranty and no guarantee, either express or implied, and assumes no responsibility for the accuracy or completeness of the data contained herein. Safe handling and use of this product remains the responsibility of the user. No suggestions for use are intended as, and nothing herein shall be construed as, as recommendation to infringe upon any existing patents or violate any Federal, State, or Local laws.