

Combined Systems, Inc.

MSDS

Material Safety Data Sheet

Emergency Number: 1-800-255-3924 (Chem-Tel)

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

CTS Inert - Foam Spray Pattern: No Active Aerosol Defense Ingredient

1. Product Identification

MSDS: # 057a
Date: 01/31/12
Edition: 003

Model Number(s): 1322, 1422, 1922
Product Type: Aerosol Defense Training Spray

2. Composition

Ingredients:	CAS NO.	Ingredients:	CAS NO.
Propylene Glycol	000057556	1,1,1,2-Tetrafluoroethane (134a)	000811972
Water	N /A	N-Propyl Alcohol	000071238
Non-Ionic Surfactant (detergent)	N/A		

3. Hazards Identification

Eye Contact: May cause eye irritation upon direct contact.
Skin Contact: May cause skin irritation to sensitive parts upon direct contact.
Ingestion: May cause irritation to mouth, throat, and stomach upon direct contact.
Inhalation: May cause gagging and coughing with irritation in the lungs.
Appearance: Clear 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: None
NFPA Hazard Rating: Health Hazard: 1
Fire Hazard: 0
Reactivity Hazard: 0
Specific Hazard: Contents under pressure. Contents will discharge under fire conditions.
Estimate HMIS Code: Health Hazard: 1
Flammability Hazard: 0
Reactivity Hazard: 0
Personal Protection: Gloves, Goggles, Respirator
Flammability Limits @ 25° C:
(% by volume in air) Lower: N/A
(% by volume in air) Upper: N/A
Recommended Extinguishing Agents: N/A

Hazardous Products formed by thermal decomposition: Irritating fumes.
Unusual Fire or Explosion Hazards: Contents will discharge in fire
Compressed Gases: Tetrafluoroethane
Pressure at Room Temp.: 70 PSIG

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.

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8. Exposure Controls and Personal Protection

Eye Protection: Wear splash goggles.
Skin Protection: Wear protective clothing.
Ventilation: Adequate natural or forced ventilation.
Note: Fire Fighting personnel must use an air pack.

9. Physical and Chemical Properties

Vapor Pressure @ 70° F:	80 Psia	Evaporation Rate (Ether = 1):	< 1
Vapor Density (Air = 1):	< 1	PH:	6-8
Solubility in water (WT%):	100%	Wt. % Volatile:	50.0
Boiling Point:	212° F	Specific Gravity (H2O = 1):	1.2
Appearance:	Clear Liquid	Odor:	Slightly Medicinal

10. Stability and Reactivity

Hazardous Products formed by thermal decomposition: Will not occur.
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
Incompatibility: Finely divided alkaline metals

11. Toxicological Information

Toxicity: Moderate eye irritant. Oral LD 50 (RAT) >5 GM/KG. Not toxic per 16 CFR, section 1500.3 (5)
Primary routes of entry: Skin and ingestion.
Signs and Symptoms of Exposure: Eye irritation. Skin contact may cause 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, a recommendation to infringe upon any existing patents or violate any Federal, State, or Local laws.