

MATERIAL SAFETY DATA SHEET

LIVE Shotgun Stream[®] Aerosol Defense Device OC/CS Combination

1. CHEMICAL PRODUCT IDENTIFICATION

MSDS#: A14
REVISION DATE: 2/26/03
EDITION: 001
PRODUCT NAME: LIVE Shotgun Stream[®] Aerosol Defense Device OC/CS
 Combination (2 oz. & 4 oz. canisters)
PRODUCT TYPE: Self Defense Irritant Spray

2. COMPOSITION INFORMATION ON INGREDIENTS

Ingredient:	CAS#:	%:
Trichloroethylene	79-01-6	92.9
O-Chlorobenzylmalononitrile	2698-41-1	1.0
Carbon Dioxide	124-38-9	3.0
Oleoresin Capsicum (2mm)	8023-77-6	3.0
UV Dye	7128-64-5	<0.1

3. HAZARDS IDENTIFICATION

HMIS		NFPA	
Health	2	Health Hazard	2
Flammability	1	Fire Hazard	1
Reactivity	1	Instability	1
Personal Protection:	Gloves, goggles, respirator	Specific Hazard	Aerosol containers may burst in fire

NOTE: HMIS and NFPA ratings involve data and interpretations that may vary from company to company. They are intended only for rapid, general identification of the magnitude of the specific hazard. To deal adequately with the safe handling of this material, all the information contained in the MSDS must be considered.

4. FIRST AID

INHALATION: Remove to fresh air. Give artificial respiration or oxygen if needed. Call a physician.

EYES: Remove contact lenses and flush with plenty of water for at least 15 minutes. Consult a physician.

SKIN: Remove contaminated clothing. Flush with water for 15 minutes. **DO NOT COVER EFFECTED AREA OF USE CREAMS OR OINTMENTS FOR 6 HOURS.** Call a physician.

INGESTION: Drink large quantities of water. **DO NOT INDUCE VOMITING;** take immediately to a hospital or physician.

5. FIRE FIGHTING MEASURES

FLASH POINT: None when tested in accordance with DOT requirements.

FLAMMABILITY LIMITS:

(% BY VOLUME IN AIR) LOWER: 7.8

(% BY VOLUME IN AIR) UPPER: 52

RECOMMENDED EXTINGUISHING AGENTS: Foam, Dry chemical

HAZARDOUS PRODUCTS FORMED BY FIRE OR THERMAL DECOMPOSITION:

Phosgene, Irritating fumes.

UNUSUAL FIRE OR EXPLOSION HAZARDS: Aerosol cans will burst in fire, some projectile hazard.

COMPRESSED GASES: Carbon Dioxide

PRESSURE AT ROOM TEMPERATURE: 60 PSIG

6. ACCIDENTAL RELEASE MEASURES

STEPS TO BE TAKEN IN CASE OF SPILL OR LEAK: Absorb on appropriate sorbant;
Provide increased ventilation

7. HANDLING AND STORAGE

HANDLING: Handle with care as any aerosol product, **KEEP OUT OF THEREACH OF CHILDREN.**

STORAGE: Store below 100°F. in shipping carton provided.

8. EXPOSURE CONTROLS/PERSONAL PROTECTION

EYES: Splash goggles.

SKIN: Protective clothing.

VENTILATION: Adequate natural or forced ventilation.

NOTE: FIRE FIGHTING PERSONNEL MUST USE AIR PACK.

9. PHYSICAL AND CHEMICAL PROPERTIES

VAPOR PRESSURE @ 70°F: 57.8 MM HG
VAPOR DENSITY (AIR=1): 4.54
SOLUBILITY IN WATER (WT%): 0.11
SPECIFIC GRAVITY (H₂O): 1.46 @ 20/20 C.
BOILING POINT: 86-88 C
EVAPORATION RATE (ETHER=1): .28
PH: N/A
APPEARANCE: Orange liquid
ODOR: Pungent, highly irritating
WEIGHT % VOLATILE: 96.9

10. STABILITY AND REACTIVITY

STABILITY: Stable at ambient temperatures.
HAZARDOUS POLYMERIZATION: Will not occur.
HAZARDOUS DECOMPOSITION PRODUCTS (NON-THERMAL): None
INCOMPATIBILITY: Strong oxidizers, finely divided alkaline metal, caustic soda, caustic potash.

11. TOXICOLOGICAL INFORMATION

TOXICITY: Strong skin and eye irritant. Oral LD 50 (RAT) 6.4 GM/GM

PRIMARY ROUTES OF ENTRY: Inhalation, skin, ingestion.

SIGNS AND SYMPTOMS OF EXPOSURE: Respiratory and skin irritation. High inhaled amounts can cause dizziness, death, skin contact can cause local irritation, or general allergic reaction in sensitive individuals.

EXISTING CONDITIONS AGGRAVATED BY EXPOSURE: Certain allergies in sensitive individuals.

EXPOSURE LIMITS (for ingredients):

TRICHLORETHYLENE: OSHA 8-HR TWA 100 PPM Ceiling 200 PPM

O-CHLOROBENZYL MALONONITRILE: TLV: 0.4

ISOPROPYL ALCOHOL: OSHA TWO 400 PPM, STEL 500 PPM

TARGET ORGANS (for ingredients):

TRICHLORETHYLENE:	Nervous System
O-CHLOROBENZYL MALONONITRILE:	Irritant, Allergen, Ocular
OLEORESIN CAPSICUM:	Irritant

12. ECOLOGICAL INFORMATION

No specific ecological data area available for this product. Please refer to Section 6 for information regarding accidental releases.

13. DISPOSAL CONSIDERATIONS

Dispose of in accordance with all federal, state, and local environmental laws.

14. TRANSPORT INFORMATION

DOT STATUS:	N/A
PROPER SHIPPING NAME:	Consumer Commodity
I.D. NUMBER:	Orm-D
REPORTABLE QUANTITY:	N/A

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, are recommendation in infringe upon any existing patents or violate any Federal, State or local laws.