

Stream PF



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Material Safety Data Sheet
PE5M, PE5M-FT, PE11M, PE11M-FT
8% 2MM OC STREAM

Caution: To avoid possible eye injury this product should not be sprayed directly into eyes from a distance under two feet.

1. CHEMICAL PRODUCT IDENTIFICATION

MSDS#: A19

REVISION DATE: 7/12/07

EDITION: 002

PRODUCT NAME: 2, 3, 4, OZ. Pepper Spray (STREAM Delivery)

PRODUCT TYPE: Personal Protection Irritant Spray

2. COMPOSITION INFORMATION ON INGREDIENTS

Ingredient:	CAS#:	%:
TRICHLOROETHYLENE	79-01-6	
CARBON DIOXIDE	124-38-9	
OLEORESIN CAPSICUM	8023-77-6	
UV DYE	7727-37-9	<0.1

3. HAZARDS IDENTIFICATION

	HMIS:		NFPA:
HEALTH	2	HEALTH HAZARD	2
FLAMMABILITY	1	FIRE HAZARD	1
REACTIVITY	0	INSTABILITY	0

PERSONAL PROTECTION:	Gloves, goggles, respirator	SPECIFIC HAZARD	Contents under pressure - Contents will discharge under fire conditions.
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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 this MSDS must be considered.

4. FIRST AID

INHALATION:	Remove to fresh air. Give artificial respiration or oxygen if needed. If symptoms persist contact a physician.
EYES:	Remove contact lenses and flush with plenty of water for at least 15 minutes. If symptoms persist contact a physician.
SKIN:	Remove contaminated clothing. Flush with water for 15 minutes. Wash with soap and water. Do not cover effected area or use creams or ointments for 6 hours.
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: 6.0

(% BY VOLUME (N AIR) UPPER: 16.7

RECOMMENDED EXTINGUISHING AGENTS: Foam, dry chemical

HAZARDOUS PRODUCTS FORMED BY FIRE OR THERMAL

DECOMPOSITION: Phosgene, irritating fumes.

UNUSUAL FIRE OR EXPLOSION HAZARDS: Contents will discharge in fire. Will decompose at temperatures above 250 F. Decomposition products include hydrochloric acid and phosgene.

COMPRESSED GASES: CARBON DIOXIDE

PRESSURE AT ROOM TEMPERATURE: 70 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, KEEP OUT OF THE REACH 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: 58 MM Hg @ 20 C.

VAPOR DENSITY (AIR=1): 4.54

SOLUABILITY IN WATER (WT%): 0.11

SPECIFIC GRAVITY (H₂O=1): 1.25 @ 25 C

BOILING POINT: 88 C

EVAPORATION RATE (BuAc=1): 0.3

PH: N/A

APPEARANCE: Clear red liquid

ODOR: Pungent, Peppery

WEIGHT % VOLATILE: 90

10. STABILITY AND REACTIVITY

STABILITY: Stable at ambient temperatures.

HAZARDOUS POLYMERIZATION: Will not occur.

HAZARDOUS DECOMPOSTON PRODUCTS (NON-THERMAL): None

INCOMPATABILITY: Strong oxidizers, finely divided alkaline metals, strong acids and strong alkalis.

11. TOXICOLOGICAL INFORMATION

TOXICITY: Strong skin and eye irritant. Oral LD 50 (RAT) 6.4 GM/KG not toxic per

16 CFR, Section 1500.3 (5)

PRIMARY ROUTES OF ENTRY: Inhalation, skin, ingestion.

SIGNS AND SYMPTOMS OF EXPOSURE: Respiratory and skin irritation. High inhaled amounts can cause dizziness, unconsciousness, death. Skin contact can cause local irritation, or general allergic reaction in sensitive individuals. High level long term inhalation exposure may cause liver damage.

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

EXPOSURE LIMITS (for ingredients):

TRICHLOROETHYLENE: TWA: 100 PPM

CARBON DIOXIDE: TWA 10,000 PPM

TARGET ORGANS (for ingredients):

TRICHLOROETHYLENE: Nervous System, Ocular

OLEORESIN CAPSICUM: Irritant, Ocular, Respiratory

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: TRICHLOROETHYLENE: 100 #

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

California Proposition 65. The state of California requires that the following warning be given concerning this product:

Warning: This product contains a chemical known to the State of California to cause cancer.

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.