

Material Safety Data Sheet

FRONTIERSMAN

May be used to comply with OSHA's Hazard Communication Standard, 29 CFR 1910.1200. Standard must be reviewed for specific requirements.

Quick Identifier
1/1/2009

SECTION 1 - CHEMICAL PRODUCT & COMPANY IDENTIFICATION

Manufacturer's Name:	SECURITY EQUIPMENT CORPORATION	Emergency Phone Number:	800-325-9568
Address:	747 SUN PARK DRIVE	Other Calls:	636-343-0200
City, State, Zip:	FENTON, MO 63026	Fax Number:	636-343-1318
Chemical Name:	Oleoresin Capsicum (Red Pepper)	Model #'s:	FBAD-03, FBAD-04, FBAD-05
Trade Name:	FRONTIERSMAN Bear Attack Deterrent		FBAD-06, FBAD-07, FBAD-08

SECTION 2 - HAZARDOUS INGREDIENTS / IDENTITY

Hazardous Component(s) (chemical & common name(s))	Content(s)	OSHA PEL	ACGIH TLV	Carcinogen (Yes / No)
Major Capsaicinoids	2.00%	N/A	N/A	No
Capsaicin CAS #404-86-4	1.1%			
Other Related Capsaicinoids	0.9%			
Solvents	*			
Propellants	*			

Major Capsaicinoids are determined via A.O.A.C. Method 995.03. * Other ingredients are trade secrets as defined in Hazard Communications ACT 29 CFR 1910.1200 Para 1 (1) end Appendix D to CFR 1910.1200.

SECTION 3 - HAZARD IDENTIFICATION

SEVERE SKIN AND EYE IRRITANT. CONTENTS UNDER PRESSURE. KEEP OUT OF THE REACH OF CHILDREN. DO NOT PUNCTURE OR INCINERATE CAN. DO NOT EXPOSE TO HEAT OR STORE ABOVE 120° F. DO NOT USE AFTER CANISTER'S EXPIRATION DATE.

HMIS Ratings: Health: 2 Fire: 3 Reactivity: 0

Signs & Symptoms Of Exposure: Ingredients cause irritation through all routes of entry.

EYE: Liquid or vapors may cause redness, burning, tearing, swelling and/or pain.

SKIN: Frequent or repeated contact with skin may cause skin irritation and dermatitis.

INGESTION: Ingestion may cause nausea, vomiting, and/or diarrhea.

INHALATION: May cause irritation of the respiratory tract.

MEDICAL CONDITIONS AGGRAVATED: May cause more severe, temporary, effects on those persons who are asthmatics or suffer from emphysema.

CARCINOGEN DATA: None of the Ingredients in this product are listed with OSHA, IARC or NTP as carcinogenic.

SECTION 4 - FIRST AID MEASURES

Emergency & First Aid Procedures: Remove victim from contaminated area and remove contaminated clothing.
Provide fresh air, irrigate with copious amounts of cool water. Obtain medical advice if symptoms persist.

Routes Of Entry

- Inhalation:** Provide fresh air.
- Eyes:** Only exposed subject or EMS should remove subject's contact lenses. Irrigate with cool water at least 15 minutes, or until relieved.
- Skin:** Flush with cool water. Wash with mild soap and water.
- Ingestion:** Rinse mouth with water. Ingest milk or water. Obtain medical advice immediately.

SECTION 5 - FIRE-FIGHTING MEASURES

Flammability Classification 16 CFR

1500.45: FLAMMABLE

Extinguishing Media: Halon, Carbon Dioxide, Dry Chemical or Water

Special Fire Fighting Procedures: Wear respirator or self-contained breathing apparatus.

Unusual Fire and Explosion Hazards: Smoke would be irritating to eyes and mucous membranes.

SECTION 6 - ACCIDENTAL RELEASE MEASURES

Steps to follow if material is spilled or released: Wipe up small spills with absorbent material. With large spills, use respiratory equipment, to avoid irritation, and collect absorbent materials.

If inside: Ventilate area and after absorbent process, wash area with soap and cold water

If outside: Stay upwind

SECTION 7 - HANDLING AND STORAGE

Precautions to be taken in handling & storage: Store upright in a cool, dry area. Avoid direct light and heat.
DO NOT expose to temperatures over 120 degrees F.
DO NOT puncture or incinerate container.

Other Precautions: Assure can is in a secure place to prevent accidental rupture.

SECTION 8 - EXPOSURE CONTROLS AND PERSONAL PROTECTION

Respiratory Protection: Not required under normal conditions of use.

Ventilation: Yes

Protective Gloves: Suggested (not required)

Eye Protection: Yes. Exposure without protection in training environment is acceptable.

Other Protective Clothing or Equipment: Not required

Work/Hygienic Practices: Normal

SECTION 9 - PHYSICAL & CHEMICAL PROPERTIES

Appearance & Odor: Red/Orange in color. Odor is pungent
Physical State: Liquid

Boiling Point: 370° F
Specific Gravity (H₂O = 1): ~0.8144 @ 20° C

Solubility in Water: Insoluble
Vapor Pressure: 110 PSI

SECTION 10 - STABILITY AND REACTIVITY

<i>Stability</i>	Unstable	<i>Conditions To Avoid</i>	<i>Incompatibility (Materials To Avoid)</i>	N/A
	Stable	X		
<i>Hazardous Polymerization:</i>	May Occur		<i>Hazardous Decomposition Products:</i>	N/A
	Will Not Occur	X	<i>Conditions To Avoid</i>	

SECTION 11 - TOXICOLOGICAL INFORMATION

Standard Draize Test: Skin, rabbit, 500 mg	Severity: Moderately Irritating
Standard Draize Test: Eye, rabbit, 100 mg	Severity: Moderately Irritating
ACUTE INHALATION LC50 (rat):	> 100.5 mg/L

SECTION 12 - ECOLOGICAL INFORMATION

This product has not been tested for environmental effects.

SECTION 13 - DISPOSAL CONSIDERATIONS

Waste Disposal Methods: Consult Federal, State, and Local Regulations
Evacuate contents in a safe area, & dispose of container.

SECTION 14 - TRANSPORT INFORMATION

DOT HM-181 INFORMATION

	<u>GROUND</u>	<u>AIR</u>
Proper Shipping Name:	Consumer Commodity	Consumer Commodity
Hazard Class or Division:	ORM-D	Class 9
Identification Number:	none	ID-8000
Packaging Group:	none	none
Label(s) Required:	none	Class 9 Miscellaneous

INTERNATIONAL TRANSPORTATION REGULATIONS

	<u>GROUND</u>	<u>AIR</u>	<u>OCEAN</u>
Proper Shipping Name:	Consumer Commodity	Consumer Commodity	Aerosols, Flammable
Hazard Class or Division:	ORM-D	Class 9	2.1
Identification Number:	none	ID-8000	UN1950
Packaging Group:	none	none	none
Label(s) Required:	none	Class 9 Miscellaneous	Class 2

SECTION 15 - REGULATORY INFORMATION

TOXIC SUBSTANCES CONTROL ACT:	This product is in compliance with the U.S. Toxic Substances Control Act (TSCA) inventory requirements.
SARA TITLE III, SECTION 313:	Not Listed
CLEAN AIR ACT (CAA):	Not Listed
CLEAN WATER ACT (CWA):	Not Listed
CALIFORNIA PROPOSITION 65:	Not Listed
CANADIAN WORKPLACE HAZARDOUS MATERIALS INFORMATION SYSTEMS (WHMIS):	Not Listed

SECTION 16 - OTHER INFORMATION

Format and Preparation Complies with ANSI Z400.1-1993

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