

Safety Data Sheet

FRONTIERSMAN

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

Quick Identifier

10.13.2020

SECTION 1 - CHEMICAL PRODUCT & COMPANY IDENTIFICATION

PRODUCT NAME: FRONTIERSMAN Bear Attack Deterrent

SYNONYMS: Bear Spray, Bear Pepper Spray

CHEMICAL NAME: Oleoresin Capsicum (Red Pepper)

CHEMICAL FAMILY: Deterrent, Irritant Agent

PRODUCT USE: Handheld aerosol canister that sprays an irritating formula in the eyes, nose and mouth of a bear threatening your personal safety.

MODEL #'s: FBAD-03; FBAD-03-00; FBAD-03-03; FBAD-04; FBAD-04-04; FBAD-05; FBAD-06; FBAD-06-00; FBAD-06-06; FBAD-07; FBAD-07-07; FBAD-08; JFBAD-01; JFBAD-02; FBAD-07-JP; FBAD-03-MB; FBAD-06-MB

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

EPA Registration No.: 72265-1

EPA Establishment No.: 72265-MO-1

Further Information obtainable from Info Trac.

Tel.: +1-800-535-5053

Information in case of emergency:






Tel.: +1-352-323-3500

Fax: +1-352-323-0050

SECTION 2 - HAZARD IDENTIFICATION

Classification of the substance or mixture

GHS Label Elements, including precautionary statements

Hazard Code	Hazard Statement	Hazard Class	Category	Pictogram	Signal Word
H229	Contains Gas Under Pressure; May Explode if Heated	Gases Under Pressure	Compressed gas		Warning
H223	Flammable Aerosol	Flammable Aerosols	2		Warning
H315	Causes skin irritation	Skin corrosion / irritation	2		Warning
H319	Causes serious eye irritation	Serious eye damage / eye irritation	2A		Warning
H335	May cause respiratory irritation	Specific target organ toxicity. Single exposure; Respiratory tract irritation	3		Warning

Precautionary Statement(s)

P102	Keep out of reach of children
P210	Keep away from heat / sparks / open flame / hot surfaces - NO SMOKING
P211	Do not spray on an open flame or other ignition source
P251	Pressurized container: Do NOT pierce or burn even after use
P302 + P352	IF ON SKIN: Wash with plenty of soap and water
P305 + P351 + P338	IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses if present and easy to do. Continue to rinse.
P337 + P313	IF EYE IRRITATION PERSISTS: Get medical advice / attention
P410	IF EYE IRRITATION PERSISTS: Get medical advice / attention
P412	Do NOT expose to temperatures exceeding 50°C / 122°F

SECTION 3 - COMPOSITION / INFORMATION ON INGREDIENTS

Hazardous Component(s) (chemical & common name(s))	Content(s)	OSHA PEL	ACGIH TLV	Carcinogen (Yes / No)
Oleoresin Capsicum CAS# 8023-77-6	10%	N/A	N/A	No
Propane-1,2-diol CAS# 57-55-6	14%			

2-(2-butoxyethoxy)ethanol CAS# 112-34-5	30%			
HFC-134A CAS# 811-97-2	6%	1000 ppm	N/A	No
Isopropanol CAS# 67-63-0 EC#200-661-7	40%			

10% @ 2.0% Major Capsaicinoids

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(g) Para 1 (1) end Appendix D to CFR 1910.1200(g).

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 is symptoms persist.			
Routes of Entry	1. Inhalation	Remove from contaminated area immediate. Provide fresh air. If breathing is difficult, administer oxygen. If the victim is not breathing, administer CPR. Seek immediate medical attention.		
	2. Eyes	Only exposed subject or EMS should remove subject's contact lenses. Irrigate with cool water for at least 15 minutes, or until relieved. Seek medical attention if irritation persists.		
	3. Skin	Flush with cool water for at least 15 minutes. Wash with mild soap and water. Seek medical attention if irritation persists.		
	4. Ingestion	DO NOT INDUCE VOMITING. If victim is conscious and not convulsing, rinse mouth with water. Ingest milk or water. Call 800-535-5053 or obtain medical advice immediately. If victim is convulsing or unconscious, do not give anything by mouth, ensure the victim's airway is open and lay the victim on his/her side with the head lower than the body. IMMEDIATELY transport the victim to a hospital.		

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. Containers may burst in the heat of a fire.

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
Waste Disposal Method:	Dispose of in accordance with current laws and regulations.

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° F / 50° C. 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 normally required in well-ventilated areas, however, NIOSH approved respiratory protection may be required when the material is used in confined areas. Avoid overexposure for long periods in enclosed areas.		
Ventilation:	Yes		
Protective Gloves:	Suggested (not required)		
Eye Protection:	Yes. Exposure without protection in training environment is acceptable.		
Other Protective Clothing/Equipment:	Not required		
Work/Hygienic Practices:	Avoid absorption of product on clothing. If absorbed in clothing, remove and wash clothes at once. Do not eat, drink, or smoke while handling product.		
Engineering Controls:	Provide ventilation if working in confined areas.		

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 @ 25° C
Solubility in Water:	Insoluble	Vapor Pressure:	110 PSI
pH:	4.1		

SECTION 10 - STABILITY AND REACTIVITY

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

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:	Aerosol, Flammable	Aerosol, Flammable
Hazard Class or Division:	2.1	2.1
Identification Number:	UN1950	UN1950
Packaging Group:	none	none
Label(s) Required:	2.1	FLAMMABLE GAS

INTERNATIONAL TRANSPORTATION REGULATIONS

Regulations vary from country to country. Check regulations for your country.

	<u>GROUND</u>	<u>AIR</u>	<u>OCEAN</u>
Proper Shipping Name:	Aerosol, Flammable	Aerosol, Flammable	Aerosols, Flammable
Hazard Class or Division:	2.1	2.1	2.1
Identification Number:	UN1950	UN1950	UN1950
Packaging Group:	none	none	none
Label(s) Required:	2.1	FLAMMABLE GAS	2.1

SECTION 15 - REGULATORY INFORMATION**Information concerning particular hazards for human and environment:**

Contact with skin and inhalation of aerosols/vapors should be avoided. The product has to be labeled due to the calculation procedure of the "General Classification guideline for preparations of the EU" in the latest valid version.

Health hazard symbol:



Xi IRRITANT
R36/37/38 IRRITATING TO EYES, RESPIRATORY SYSTEM AND SKIN.
S2 KEEP OUT OF REACH OF CHILDREN.
S24/25 AVOID CONTACT WITH EYES, RINSE IMMEDIATELY WITH PLENTY OF WATER AND SEEK MEDICAL ADVICE.
S36/37 WEAR SUITABLE PROTECTIVE CLOTHING AND GLOVES.

Warning! Pressurized container.

Pressurized container: protect from sunlight and do not expose to temperatures exceeding 50°C. Do not pierce or burn, even after use.

POISONS SCHEDULE: None

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

Not Listed

SECTION 16 - OTHER INFORMATION

Format and Preparation Complies with ANSI Z400.1-1993

DISCLAIMER: This brief provides a general overview of the safety data sheet requirements in the Hazard Communication Standard (see 29 CFR 1910.1200(g) and Appendix D of 29 CFR 1910.1200(g)). It does not alter or determine compliance responsibilities in the standard or the Occupational Safety and Health Act of 1970. Since interpretations and enforcement policy may change over time, the reader should consult current OSHA compliance requirements. Please note that states with OSHA-approved state plans may have additional requirements for chemical data sheets, outside of those outlined above. For more information on those standards, please visit <http://www.osha.gov/dcspp/osp/statestandards.html>.