

Safety Data Sheet

FRONTIERSMAN - Canada

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 / Rev. Date

12.15.2021

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: Personal Safety

MODEL #'s: CFBAD-01, CFBAD-02, CFBAD-01G, CFBAD-02G, CFBAD-321, CFBAD-322, CFBAD-321G, CFBAD-322G, CFBAD-03

Manufacturer's Name: SECURITY EQUIPMENT CORPORATION

Emergency Phone: 800-325-9568

Address: 747 SUN PARK DRIVE

Other Calls: 636-343-0200

City, State, Zip FENTON, MO 63026

Fax Number: 636-343-1318

Emergency Telephone Number for Infotrac:

Tel.: +1-800-535-5053, Tel.: +1-352-323-3500

Fax: +1-352-323-0005

SECTION 2 - HAZARD IDENTIFICATION**Classification of the substance or mixture****Pictogram:****Signal Word:**

Warning

Hazard Statement(s)

H280 Contains gas under pressure; may explode if heated
 H223 Flammable Aerosol
 H315 Causes skin irritation
 H319 Causes serious eye irritation
 H335 May cause respiratory irritation

GHS Hazard Statements

GHS02 Flammable aerosol - Category 2
 GHS07 Skin corrosion / Irritation - Category 2
 GHS07 Serious eye damage - Category 2A
 GHS07 Specific target organ toxicity (STOT) - Single Exposure - Category 3 (Respiratory tract)

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 Protect from sunlight
 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 TWA | ACGIH TLV | Carcinogen (Yes / No) |
|--|------------|----------|-----------|-----------------------|
| Oleoresin Capsicum (OC or Red Pepper) CAS# 8023-77-6 | 6%* | N/A | N/A | No |
| Acetone CAS# 67-64-1 | ** | N/A | 500 ppm | No |
| Isopropyl Alcohol CAS# 67-63-0 | ** | N/A | 200 ppm | No |
| Propylene Glycol CAS# 57-55-6 | ** | N/A | N/A | No |
| trans-HFO-1234ze (CAS # 29118-24-9) | ** | 1000 ppm | N/A | No |

*6% @ 0.857% Absolute Capsaicin

** Other ingredients and specific amounts 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 if symptoms persist. |
| Routes of Entry | 1. Inhalation Remove from contaminated area immediately. Provide fresh air. If breathing is difficult, seek immediate medical attention. If the victim is not breathing, administer CPR and seek immediate medical attention. |
| | 2. Eyes Only exposed subject or EMS should remove subject's contact lenses. Irrigate with cool water for 15 minutes, or until relieved. Seek medical attention if irritation persists. |
| | 3. Skin Flush with cool water for 15 minutes. Wash with mild soap and water. Seek medical attention if irritation persists. |
| | 4. Ingestion Unlikely route of entry. DO NOT INDUCE VOMITING. Rinse mouth with water. Ingest milk or water. Immediately call for medical help. |

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. Trainee exposure without protection in controlled 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 |

SECTION 10 - STABILITY AND REACTIVITY

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

SECTION 11 - TOXICOLOGICAL INFORMATION

| | |
|---|--|
| Standard Draize Test: Skin, 500 mg | Severity: Slightly Irritating |
| Standard Draize Test: Eye, 100 mg | Severity: Moderately Irritating |
| ACUTE INHALATION LC50: | > 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

GHS within the EU: The new classification & labelling system according to CLP regulation (EC) No 1272/2008

WHMIS: In Canada, this product is in accordance with the Canadian Workplace Hazardous Materials Information System. (2015)

P-Codes

Signal Word: WARNING

P102: Keep out of reach of children.

Exclamation Mark Skin & Eye Irritation, Category 2

P210: Keep away from heat, hot surfaces, sparks, open flames and other

H315: Causes skin irritation

P251: Do not pierce or burn, even after use.

H319: Causes serious eye irritation

P302+P352: IF ON SKIN: Wash with plenty of water

H280: Contains gas under pressure; may explode if heated

P305+P351+P338 IF IN EYES: Rinse cautiously with water for several

H335: May cause respiratory irritation

P337+P313: If eye irritation persists get medical advice/attention.

H223: Flammable Aerosol

P410: Protect from sunlight.

P412: Do not expose to temperatures exceeding 50 °C/122 °F.

GHSWHMIS 2015 Codes

- GHS02 Flammable aerosol - Category 2
- GHS07 Skin corrosion / Irritation - Category 2
- GHS07 Serious eye damage-Category 2A
- GHS07 Specific target organ toxicity (STOT) - Single Exposure - Category 3

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: CAS# 112-34-5

CLEAN AIR ACT (CAA): Not Listed

CLEAN WATER ACT (CWA): Not Listed

CALIFORNIA PROPOSITION 65: Not Listed

MASSACHUSETTS RIGHT TO KNOW: Not Listed

PENNSYLVANIA RIGHT TO KNOW: CAS# 112-34-5 57-55-6

NEW JERSEY RIGHT TO KNOW: CAS# 112-34-5 57-55-6

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). 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 interpretations and decisions by the Occupational Safety and Health Review Commission and the courts for additional guidance on OSHA compliance requirements. Please note that states with OSHA-approved state plans may have additional requirements for chemical safety data sheets, outside of those outlined above. For more information on those standards, please visit: <http://www.osha.gov/dcsp/osp/statestandards.html>.