

Material Safety Data Sheet

SABRE

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

Quick Identifier
January 1, 2001

SECTION 1 - CHEMICAL PRODUCT & COMPANY IDENTIFICATION

Manufacturer's Name:	SECURITY EQUIPMENT CORPORATION	Emergency Phone Number:	800-325-9568
Address:	330 SUN VALLEY CIRCLE	Other Calls:	636-343-0200
City, State, Zip:	FENTON, MO 63026	Fax Number:	636-343-1318
Chemical Name:	Oleoresin Capsicum (OC) and Orthochlorobenzalmalononitrile (CS Tear Gas)		
Trade Name:	SABRE		

SECTION 2 - HAZARDOUS INGREDIENTS / IDENTITY

Hazardous Component(s) (chemical & common name(s))	Content(s)	OSHA PEL	Carcinogen (Yes / No)
Orthochlorobenzalmalononitrile (CS)	1%	N/A	No
Oleoresin Capsicum (OC)	1%	N/A	No
Scoville Heat Units	2,000,000	N/A	No
Major Capsaicinoids	0.13%	N/A	No
Capsaicin CAS #404-86-4			
Nordihydrocapsaicin CAS #19408-84-5			
Dihydrocapsaicin CAS #28789-35			

Dymel 134a/P is used with nitrogen creating a dual propellant system. Other ingredients are trade secrets as defined in Harard Communications Act 29 CFR 1910.1200 Para 1 (1) end Apendix D to CFR 1910.1200.

SECTION 3 - PHYSICAL & CHEMICAL CHARACTERISTICS

Boiling Point:	370 Degrees F	Specific Gravity (H2O = 1)	1.2
Solubility in Water:	Insoluble	Vapor Pressure:	80 PSI
Appearance & Odor:	Red/Orange in color. Odor is pungent		

SECTION 4 - FIRE & EXPLOSION DATA

Flash Point:	400 degrees F.		
Auto-ignition Temperature:	N/A	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 5 - PHYSICAL HAZARDS (REACTIVITY DATA)

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

SECTION 6 - HEALTH HAZARDS

Signs & Symptoms Of Exposure: Ingredients cause irritation through all routes of entry. Repeated contact may cause dermatitis. Ingestion may cause nausea, vomiting, and/or diarrhea.

Medical Conditions Aggravated By Exposure: May cause more severe, temporary, effects on those persons who are asthmatics or suffer from emphysema.

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

SECTION 7 - SPECIAL PRECAUTIONS AND SPILL / LEAK PROCEDURES

Precautions to be taken in handling & storage: Store 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: N/A

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

SECTION 8 - SPECIAL PROTECTION INFORMATION / CONTROL MEASURES

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 - PROPELLANT

SABRE used Dymel 134a/P, a pharmaceutical grade propellant. 134a/P is non-flammable.

In addition, 134a/P is not a VOC (Volatile Organic Compound), has an ozone depletion potential (ODP) of 0, and its global warming potential is negligible. SABRE also uses Nitrogen.