



SECTION 1 - PRODUCT AND COMPANY IDENTIFICATION					
<b>PRODUCT NAME: GALLS 10% Aerosol -OC</b>					
<b>PRODUCT NUMBER(S): SD140</b>		<b>DATE: September 15, 2008</b>			
TRADE NAME: GALLS 10% Aerosol -OC GENERAL USE: Irritant and tearing agent CHEMICAL FAMILY: Capsaicinoid PRODUCT DESCRIPTION: Reddish Brown Liquid, Pungent Odor.		 <b>DEFENSE TECHNOLOGY</b>			
<b>MANUFACTURED FOR: Safariland LLC</b>		<b>DATE PREPARED: September 15, 2008</b>			
<b>ADDRESS (NUMBER, STREET, P.O. BOX): 13386 International Parkway</b>		<b>SUPERSEDES: November 1, 2006</b>			
<b>(CITY, STATE AND ZIP CODE): Jacksonville, FL 32218</b>		<b>TELEPHONE NUMBER FOR INFORMATION / Customer Service: 904-741-5400</b>			
<b>COUNTRY: USA</b>		<b>CHEMTEL 24-HOUR EMERGENCY TELEPHONE NUMBER</b>			
				<b>1-800-255-3924      01-813-248-0585</b> North America Toll Free      International	
SECTION 2 - HAZARDOUS INGREDIENTS					
Hazardous Components	% (by Weight)	CAS #	EINECS #	Hazard Symbol	RISK PHRASES (Full Text Section 15)
<b>Capsaicinoids</b>	<b>NA</b>	<b>404-86-4</b>	<b>206-969-8</b>	<b>None</b>	<b>None</b>
<b>1,1,1,2-Tetrafluoroethane</b>	<b>NR</b>	<b>811-97-2</b>	<b>212-377-0</b>	<b>None</b>	<b>None</b>
<b>Dipropylene Glycol n-butyl Ether</b>	<b>NA</b>	<b>112-34-5</b>	<b>203-961-6</b>	<b>(+Xi)</b>	<b>R36</b>
<b>Notes:</b> Hazard symbols and risk phrases based on maximum listed concentration of each hazardous ingredient.					
SECTION 3 - HAZARDS IDENTIFICATION					
<b>EMERGENCY OVERVIEW</b>					
Acute eye, skin, digestive and respiratory system irritation. Product may be considered toxic. Product packaged in aerosol form -may cause containers to burst when exposed to extreme heat.					
<b>POTENTIAL HEALTH EFFECTS</b>					
<b>INHALATION:</b>					
Burning sensation and irritation. Cough, rhinorrhea, sneezing, chest tightness, and laryngospasm may occur shortly following exposure due to the irritant effects.					
<b>SKIN:</b>					
Liquid concentrate can cause irritation.					
<b>EYES:</b>					
Burning sensation, tearing, and irritation.					
<b>INGESTION:</b>					
Liquid concentrate can cause dizziness, nausea and a burning sensation. Nausea is common; vomiting occurs occasionally. Epigastric discomfort and burping may occur if tearing products are swallowed.					
<b>CARCINOGENICITY:</b>					
NTP? <b>No</b>		IARC MONOGRAPHS? <b>No</b>		OSHA REGULATED? <b>No</b>	
CALIFORNIA, Prop.65? <b>No</b>		ESIS? <b>No</b>			
SECTION 4 - FIRST AID MEASURES					
<b>INHALATION:</b>					
Remove patient to fresh air. If breathing is difficult, give oxygen. If breathing has stopped, give artificial respiration.					
<b>EYES:</b>					
First check the victim for contact lenses and remove if present. Flush victim's eyes with water or normal saline solution for 15 minutes. Do not put any ointments, oils, or medication in the victim's eyes without specific instructions from a physician.					
<b>SKIN:</b>					
Wash with cool water & soap.					
<b>INGESTION:</b>					
DO NOT INDUCE VOMITING. Corrosive chemicals will destroy the membranes of the mouth, throat, and esophagus and, in addition, have a high risk of being aspirated into the victim's lungs during vomiting which increases the medical problems. If the victim is conscious and not convulsing, give 1 or 2 glasses of water to dilute the chemical and IMMEDIATELY call a hospital or poison control center. IMMEDIATELY transport the victim to a hospital. If the victim is convulsing or unconscious, do not give anything by mouth, ensure that the victim's airway is open and lay the victim on his/her side with the head lower than the body. DO NOT INDUCE VOMITING. Transport the victim IMMEDIATELY to a hospital.					

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## SECTION 5 - FIRE FIGHTING MEASURES

**GENERAL HAZARDS:**

Product packaged in aerosol form may cause containers to burst when exposed to extreme heat. Product is not generally flammable.

**EXTINGUISHING MEDIA:**

Carbon Dioxide, "alcohol-foam," dry chemical or water may be ineffective. Use water to disperse fumes and to dilute spills.

**FIRE FIGHTING PROCEDURES:**

Use NIOSH or European EN149 approved chemical respirator. Use turn-out uniform with full jacket. Avoid absorption of product on clothing. If absorbed in clothing, remove and wash clothes at once. Use chemical-resistant goggles. Use dry chemical, CO<sub>2</sub>, or water spray to fight surrounding fires. Clothing may require some decontamination.

**UNUSUAL FIRE AND EXPLOSION HAZARDS:**

Cool containers if exposed to fire or high heat. Product packaged in aerosol form may cause containers to burst when exposed to extreme heat. May form highly toxic decomposition products.

**HAZARDOUS COMBUSTION PRODUCTS:**

Carbon Dioxide, Carbon Monoxide, various hydrocarbons and small amounts of phosgene.

## SECTION 6 - ACCIDENTAL RELEASE MEASURES

**STEPS TO BE TAKEN IN CASE MATERIAL IS RELEASED OR SPILLED:**

Extinguish all flames, don personal protective equipment including NIOSH/OSHA respirator, then soak up material in absorbent material and shovel into properly marked hazardous waste container for disposal at a licensed facility.

## SECTION 7 - HANDLING AND STORAGE

**PRECAUTIONS TO BE TAKEN IN HANDLING AND STORAGE:**

Packaged product is under pressure. Do not puncture, incinerate or store at temperatures above 120° F.

## SECTION 8 - EXPOSURE CONTROLS / PERSONAL PROTECTION

HAZARDOUS COMPONENTS	NIOSH			ACGIH		OSHA		
	TWA ppm	TWA mg/m <sup>3</sup>	STEL ppm	STEL mg/m <sup>3</sup>	TLV/TWA ppm	TWA mg/m <sup>3</sup>	PEL ppm	PELmg/m <sup>3</sup>
<b>Capsaicinoids</b>	NR				NR		NR	
<b>1,1,1,2-Tetrafluoroethane</b>	MAK: 1000 ppm 4200 mg/m <sup>3</sup>							
<b>Dipropylene Glycol n-butyl Ether</b>					100		100	

### PERSONAL PROTECTION

**RESPIRATORY PROTECTION:**

Wear positive pressure NIOSH or European EN149 approved self-contained breathing apparatus (SCBA).

**PROTECTIVE GLOVES:**

Use solvent or chemical resistant rubber gloves.

**EYE PROTECTION:**

Use chemical-resistant goggles.

**OTHER PROTECTIVE CLOTHING OR EQUIPMENT:**

Use solvent-resistant type clothing with full jacket.

**WORK / HYGIENIC PRACTICES:**

Avoid absorption of product on clothing. If absorbed in clothing, remove and wash clothes at once.

## SECTION 9 - PHYSICAL AND CHEMICAL PROPERTIES

<b>APPEARANCE AND ODOR</b> Reddish Brown Liquid, Pungent Odor.	<b>VAPOR PRESSURE</b> 96 lbs @ 77°F (25°C)
VOC <b>NA</b> Volatility <b>Aerosol</b>	<b>SPECIFIC GRAVITY (WATER = 1)</b> <1
<b>BOILING POINT / BOILING RANGE</b> -10°F(-26.5°C) (Propellant only)	<b>SOLUBILITY IN WATER</b> Approx. 50%
<b>FLASH POINT</b> NE	<b>VISCOSITY</b> NE
<b>FLAMMABLE LIMITS</b> LEL: NA UEL: NA	<b>VAPOR DENSITY (AIR = 1)</b> >1
<b>AUTO-IGNITION TEMPERATURE</b> NE	<b>EVAPORATION RATE BUTYL ACETATE = 1)</b> NE

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## SECTION 10 - STABILITY AND REACTIVITY

STABILITY	STABLE	<b>X</b>	CONDITIONS TO AVOID: Avoid exposure to extreme heat. Do not store at temperatures above 120° F.
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INCOMPATIBILITY (MATERIALS TO AVOID):  
**Oxidizers, fine metal powders, strong acids.**

HAZARDOUS DECOMPOSITION OR BYPRODUCTS:  
**Carbon Dioxide, Carbon Monoxide, various hydrocarbons and small amounts of phosgene.**

HAZARDOUS POLYMERIZATION: Will not occur.	CONDITIONS TO AVOID: None related to polymerization.
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## SECTION 11 - TOXICOLOGICAL INFORMATION

Hazardous Components	CAS # EINECS #	LD50 of Ingredient (Specify Species and Route)	LC50 of Ingredient (Specify Species)
Capsaicinoids	404-86-4	NE	NE
	206-969-8		
1,1,1,2-Tetrafluoroethane	811-97-2	Inhalation, Rat: LC50= 1,500 gm/m <sup>3</sup> /4 Hours	Inhalation, Rat: LC50= 1,500 gm/m <sup>3</sup> /4 Hours
	212-377-0		
Dipropylene Glycol n-butyl Ether	112-34-5	Oral rat LD 50=5660 mg/kg	NE
	203-961-6		

## SECTION 12 - ECOLOGICAL INFORMATION



No ecological information is presently available for this blended product.

## SECTION 13 - DISPOSAL CONSIDERATIONS

WASTE DISPOSAL METHOD:  
 Dispose as hazardous waste in a properly permitted facility. Respiratory protection must be worn when disposing of this product. Dispose in accordance with all applicable Local, State and Federal regulations.

## SECTION 14 - TRANSPORT INFORMATION

**PROPER SHIPPING NAME:** Aerosols, Non-Flammable (Tear Gas Devices), UN 1950

<p>DOT HAZARD CLASS / Pack Group: 6.1,2,2/ PGII</p> <p>REFERENCE: 49CFR</p> <p>UN / NA IDENTIFICATION NUMBER: UN 1693</p> <p><b>LABEL: Toxic 6, Non-Flammable Gas 2.2</b></p> <p>HAZARD SYMBOLS:</p> <div style="display: flex; justify-content: space-around; align-items: center;">   </div>	<p>IATA HAZARD CLASS / Pack Group:  <b>Tear Gas Devices, 2.2, 6.1, PGII, Passenger Aircraft=Forbidden, Cargo Aircraft only = 50 kg max.</b></p> <p>IMDG HAZARD CLASS: 6.1, 2.2</p> <p>RID/ADR Dangerous Goods Code: 6.1,2,2</p> <p>UN TDG Class / Pack Group: UN 1693/PG II</p> <p>Hazard Identification Number (HIN): 26</p>
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Note: Transportation information provided is for reference only. Client is urged to consult CFR 49 parts 100 - 177, IMDG, IATA, EU, United Nations TDG, and WHMIS (Canada) TDG information manuals for detailed regulations and exceptions covering specific container sizes, packaging materials and methods of shipping.

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## SECTION 15 - REGULATORY INFORMATION

TSCA (USA - Toxic Substance Control Act): **All ingredients listed.**  
 SARA TITLE III (USA - Superfund Amendments and Reauthorization Act):  
 Acute Health: **Yes** Chronic Health: **Yes**  
 Fire: **No** Sudden Release of Pressure: **Yes**  
 Reactive: **No**

**313 REPORTABLE INGREDIENTS:** **None**  
 CERCLA (USA - Comprehensive Response Compensation and Liability Act): **None listed**  
 California Prop 65, Safe Drinking Water and Toxic Enforcement Act of 1986: **None listed**  
 CCPR (Canadian Controlled Products Regulations): **Listed**  
 CIDL (Canadian Ingredient Disclosure List): **Listed**  
 CDSL / NDSL (Canadian Domestic Substances List / Non-Domestic Substances List): **Listed on NDSL**  
 EINECS (European Inventory of Existing Commercial Chemical Substances): **CAS#8023-77-6 not referenced.**

WGK Water Quality Index: **NE**

RISK PHRASES:	SYMBOL(S) REQUIRED FOR EU LABEL	SAFETY PHRASES:
<p><b>R20/21/22 : Harmful by inhalation, in contact with skin and if swallowed.</b>  <b>R36/37/38 : Irritating to eyes, respiratory tract, and skin.</b>  <b>R43 : May cause sensitization by skin contact.</b></p>	 (+TOXIC)   (+CORROSIVE)   (+HARMFUL)	<p><b>S2 : Keep out of the reach of children.</b>  <b>S7/9 : Keep container tightly closed and in a well-ventilated place.</b>  <b>S13 : Keep away from food, drink and animal feedingstuffs.</b>  <b>S24/25 : Avoid contact with skin and eyes.</b>  <b>S26 : In case of contact with eyes, rinse immediately with plenty of water and seek medical advice.</b>  <b>S37 : Wear suitable gloves.</b>  <b>S46 : If swallowed, seek medical advice immediately and show this container or label.</b></p>

## SECTION 16 - OTHER INFORMATION

<b>Legend</b>			
N/A = Not Applicable	N/D = Not Determined	N/E = Not Established	N/R = Not Reported
HMIS HAZARD RATINGS	HEALTH: FLAMMABILITY: PHYSICAL HAZARD: PERSONAL PROTECTIVE EQUIPMENT:	<b>2</b> <b>0</b> <b>1</b> <b>1</b>	<b>0 = INSIGNIFICANT</b> <b>1 = SLIGHT</b> <b>2 = MODERATE</b> <b>3 = HIGH</b> <b>4 = EXTREME</b>

REVISION SUMMARY:  
 Revised to GHS/EU protocols 8/26/2008 supersedes 11/01/06 issue. LB

<p><b>MSDS Prepared by:</b>                  ChemTel Inc.                  1305 North Florida Avenue                  Tampa, Florida USA 33602-2902                  Toll Free North America 1-888-255-3924 Intl. +01 813-248-0573                  Website: www.chemtelinc.com</p>	
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The information contained herein is believed to be accurate but is not warranted to be so. Data and calculations are based on information furnished by the manufacturer of the product and manufacturers of the components of the product. Users are advised to confirm in advance of need that information is current, applicable and suited to the circumstances of use. Vendor assumes no responsibility for injury to vendee or third persons proximately caused by the material if reasonable safety procedures are not adhered to as stipulated in the data sheet. Furthermore, vendor assumes no responsibility for injury caused by abnormal use of this material even if reasonable safety procedures are followed. Any questions regarding this product should be directed to the manufacturer of the product as described in Section 1.