

SILV-EX FOAM CONCENTRATE
QUICK IDENTIFIER (In Plant Common Name)

Manufacturer's Name:	ANSUL INCORPORATED	Emergency Telephone No.:	CHEMTREC (800) 424-9300 or (703) 527-3887
Address:	One Stanton Street, Marinette, WI 54143-2542	Other Information Calls:	(715) 735-7411
Prepared By:	Safety and Health Department	Date Prepared:	June, 2001

SECTION 1 – IDENTITY

Common Name: (used on label) (Trade Name and Synonyms)	SILV-EX Foam Concentrate	CAS No.:	N/A
Chemical Name:	N/A This is a Mixture	Chemical Family:	Mixture
Formula:	N/A		

SECTION 2 – INGREDIENTS

PART A – HAZARDOUS INGREDIENTS				
Principal Hazardous Component(s) (chemical and common name(s)):	Wt. %	CAS No.	ACGIH TLV	Acute Toxicity Data
Diethylene Glycol Monobutyl Ether (Butyl Carbitol) Chemical listed under SARA Title III – Section 313 under generic heading "Glycol Ethers"	18	112-34-5	N/E	Oral LD ₅₀ (rat) 6560 mg/kg Dermal LD ₅₀ (Rabbit) 4120 mg/kg
Ethyl Alcohol (Ethanol)	8	64-17-5	1000 ppm (OSHA TLV-TWA)	Oral LD ₅₀ (rat) 21,000 mg/kg
PART B – OTHER INGREDIENTS				
Other Component(s) (chemical and common name(s)):	Wt. %	CAS No.	ACGIH TLV	Acute Toxicity Data
Proprietary mixture consisting of sodium and ammonium salts of fatty alcohol ether sulfates (C ₈ – C ₁₈), and higher alcohols; not otherwise specified.	20-25	N/A	N/E	NDA
Water	55-65	7732-18-5	N/E	NDA

SECTION 3 – PHYSICAL AND CHEMICAL CHARACTERISTICS (Fire and Explosion Data)

Boiling Point:	65 °C – 70 °C	Specific Gravity (H ₂ O = 1):	1.01 g/ml	Vapor Pressure (mm Hg):	Not Determined
Percent Volatile by Volume (%):	Approx. 70	Vapor Density (Air = 1):	Below 1	Evaporation Rate (Butyl Acetate = 1):	Approximately 0.005
Solubility in Water:	100%	Reactivity in Water:	Unreactive		
Appearance and Odor:	Clear pale straw colored liquid; mild sweet odor.				
Flash Point:	104 °F PMCC	Flammable Limits in Air % by Volume:	Not Determined	Extinguisher Media:	Dry Chemical, Water Spray, Foam, CO ₂
Auto-Ignition Temperature:	None to boiling				
Special Fire Fighting Procedures:	None				
Unusual Fire and Explosion Hazards:	None				

SECTION 4 – PHYSICAL HAZARDS

Stability:	Unstable <input type="checkbox"/> Stable <input checked="" type="checkbox"/>	Conditions to Avoid:	N/A
Incompatibility (Materials to Avoid):	Reactive metals, electrically energized equipment, any materials reactive with water, strong oxidizers.		
Hazardous Decomposition Products:	None known; however carbon monoxide and oxides of nitrogen and sulfur may be produced during fire conditions.		
Hazardous Polymerization:	May Occur <input type="checkbox"/> Will Not Occur <input checked="" type="checkbox"/>	Conditions to Avoid:	N/A

SECTION 5 – HEALTH HAZARDS

SILV-EX FOAM CONCENTRATE (Continued)

Threshold Limit Value:	None established by ACGIH or OSHA.		
Routes of Entry: Eye Contact:	May cause mild to moderate transient irritation.		
Skin Contact:	May cause mild transient irritation and/or dermatitis.		
Inhalation:	Not an expected route of entry.		
Ingestion:	Irritating to mucous membranes. Large oral doses could produce narcosis.		
Signs and Symptoms:	Acute Overexposure:	Irritation of the eyes, skin and mucous membranes.	
	Chronic Overexposure:	None known. Possible delayed kidney injury or liver damage.	
Medical Conditions Generally Aggravated by Exposure:	Prior diseases of the kidney or liver may be aggravated.		
Chemical Listed as Carcinogen or Potential:	National Toxicology Program:	Yes <input type="checkbox"/> No <input checked="" type="checkbox"/>	I.A.R.C. Monographs: Yes <input type="checkbox"/> No <input checked="" type="checkbox"/>
		OSHA: Yes <input type="checkbox"/> No <input checked="" type="checkbox"/>	

SECTION 6 – EMERGENCY AND FIRST AID PROCEDURES

Eye Contact:	Flush with large amounts of water; if irritation persists, seek Medical attention.
Skin Contact:	Wash with soap and water; if irritation persists, seek Medical attention.
Inhalation:	Remove victim to fresh air. Seek Medical attention if discomfort continues.
Ingestion:	If patient is conscious, give large amounts of water and induce vomiting. Seek Medical help.

SECTION 7 – SPECIAL PROTECTION INFORMATION

Respiratory Protection (Specify Type):	Not normally necessary.		
Ventilation:	Local Exhaust:	N/A	Mechanical (General): Recommended
Protective Gloves:	Rubber or Latex gloves recommended	Eye Protection:	Chemical goggles recommended.
Other Protective Clothing or Equipment:	Standard fire fighting safety equipment should provide all protection which is necessary. Eye wash and safety showers are good safety practice.		

SECTION 8 – SPECIAL PRECAUTIONS AND SPILL/LEAK PROCEDURES

Precautions to be Taken in Handling and Storage:	Store in original container. Note incompatibility information in Section 4.
Other Precautions:	Do not mix with other fire fighting agents.
Steps to be Taken in Case Material is Released or Spilled:	Rinse floor thoroughly with water as material is slippery. Prevent material from reaching sewers or waterways to avoid nuisance foaming.
Waste Disposal Methods:	Dispose of in compliance with local, state, and federal regulations.

HAZARDOUS MATERIAL IDENTIFICATION SYSTEM RATINGS

HAZARD INDEX: 4 Severe Hazard 3 Serious Hazard 2 Moderate Hazard 1 Slight Hazard 0 Minimal Hazard	1 HEALTH 2 FLAMMABILITY 0 REACTIVITY	WHMIS RATING:  D2B – Product may cause skin or eye irritation.
---	--	---

N/A = Not Applicable NDA = No Data Available N/E = None Established

MSDS AVAILABILITY	
MSDS AVAILABLE AT www.ansul.com	MSDS FAX ON DEMAND: 1-800-323-8493 or 715-735-7411, extension 3091
AGENT SILV-EX FOAM CONCENTRATE	INDEX NUMBER 8742

ANSUL and SILV-EX are registered trademarks.