

MATERIAL SAFETY DATA SHEET

SECTION 1 – PRODUCT/MANUFACTURER'S IDENTITY

Product Name: Angora® Fabric Softener Concentrate
Synonyms: ST-28
Company: Stearns Packaging Corporation
4200 Sycamore Avenue (53714)
PO Box 3216
Madison, WI 53704-0216
Phone: 800-655-5008
Fax: 608-246-5149
Website: www.stearnspkg.com

Formula ID Number: LL70
MSDS File Name: ANGORA F-S CONC
EPA Reg #: None
DOT Hazard Class: None
DOT Shipping Name: Cleaning Compounds, NOI,
liquid. Item 48580, Sub 3, Class 55
NSF Certified: None

Concentrate		In Dilution		HAZARD RATING
1	Flammability	0		
1	Health	1		
0	Reactivity	0		
None	Special Hazard	None		

4 = Extreme
3 = High
2 = Moderate
1 = Slight
0 = Insignificant

Emergency Contact: CHEM-TEL, 800-255-3924

Abbreviation Key: N.A.=Not Applicable,
N.D.=Not Determined

SECTION 2 – HAZARDOUS INGREDIENTS / IDENTITY INFORMATION

CHEMICAL IDENTIFICATION	CAS NO.	HAZARD	OSHA		ACGIH TLV		% (Opt'l)
			PEL/TWA	STEL	STEL	TWA	
Methyl tallow diethylene triamine condensate, polyethoxylated methyl sulfate	68410-69-5	Irritant					15 . 40
Fatty acids with diethylene triamine, ethoxylated di-methyl sulfate quaternized	68605-27-6	Irritant					15 . 40
Water	7732-18-5						10 . 30
Propylene glycol	57-55-6						10 . 30
Isopropanol	67-63-0	Flammable	400ppm/ 980 mg/m ³	500ppm/ 1225 mg/m ³	400ppm	200ppm	7 . 13

SARA Section 313 Title III Notification Required: No

SECTION 3 – PHYSICAL DATA

Appearance and Odor: Light blue, semi-viscous liquid. Clean, fresh scent.
Solubility in water: Complete
Boiling Point: 210° F
Melting Point: N.A.
Vapor Pressure (mm Hg): N.D.
Vapor Density (Air=1): N.D.
Evaporation Rate (Water=0.3): <1
pH (Concentrate): 5.4
pH (1% Solution): N.D.
Specific Gravity: 1.004

SECTION 4 – FIRE AND EXPLOSION HAZARD DATA

Flash Point and Method: Non-combustible, >200°F
Special Fire Fighting Procedures: Use NIOSH approved respirator for sulfur and nitrogen compounds. Combustion products may include sulfur and nitrogen compounds if exposed to extreme heat.
Flammable Limits: LEL: N.A.
UEL: N.A.
Unusual Fire & Explosion Hazards: Vapors are heavier than air and may travel along the ground or be moved by ventilation and ignited by pilot lights, other flames sparks, heaters, smoking, electrical motors or other ignition sources at locations distant from material handling point. Never use cutting or welding torch on or near drum (even when empty); product (or residue) may ignite explosively.
Extinguishing Media: CO₂, water, dry chemical.

SECTION 5 – REACTIVITY DATA

Chemical Stability: Stable: Unstable: _____
Conditions to Avoid: Avoid freezing and extremes of heat.
Incompatibility (Materials to Avoid): Strong oxidizing agent.
Hazardous Polymerization: May Occur _____ Will Not Occur
Hazardous Decomposition or By-Products: Sulfur and nitrogen compounds if exposed to extreme heat.

SECTION 6 – HEALTH HAZARD DATA/FIRST AID PROCEDURES

Health Hazards (Acute and Chronic): Irritation of exposed tissues, especially eyes, skin, throat, nasal cavities and other mucous membranes.
Signs and Symptoms of Exposure: SKIN: Irritation of exposed tissues. EYES: Liquid can cause irritation. High concentrations (>400 ppm) of isopropanol can also cause irritation. INGESTION: Causes diarrhea, nausea, vomiting, cramps, and gastrointestinal irritation. May aggravate pre-existing liver and kidney problems. INHALATION: Can cause drowsiness. Causes irritation of mucous membranes at exposures of 400 ppm for 3 to 5 minutes. Extreme overexposure can cause unconsciousness and death. Isopropyl alcohol can be detected by its smell at concentrations below 200 ppm.
Medical Conditions Aggravated by Exposure: Persons with skin disorders may be susceptible to defatting, dermatitis, and cracking.
NOTE TO PHYSICIAN: No specific antidote. Use supportive care. Treatment should be based on judgment of the physician in response to reactions of the patient.
Emergency and First Aid Procedures:
Eyes: Flush with cool water for at least 15 minutes. If irritation persists, consult a physician.
Skin: May be irritating to skin. Flush with water and wear gloves in the future to minimize exposure. Wash hands thoroughly after handling. Discontinue use if irritation persists and consult a physician.
Inhalation: Remove from exposure. Obtain medical attention immediately.
Ingestion: May be harmful if swallowed. Drink large amounts of water or milk. **DO NOT** induce vomiting. Get medical attention immediately. Avoid contamination of foods.
Carcinogenicity: IARC Monographs? Yes _____ No
NTP? Yes _____ No OSHA Regulated? Yes _____ No

SECTION 7 – PREVENTATIVE AND CONTROL MEASURES

Ventilation: Local Exhaust: Recommended to control below TLV of 400 ppm for isopropanol.
Mechanical: To control below TLV of 400 ppm for isopropanol.
Skin Protection: Use neoprene, rubber, or other chemical resistant gloves. Wear protective clothing to prevent repeated or prolonged contact.
Eye Protection: Splash goggles, or safety glasses if splashing is not a concern.
Respiratory Protection: In general, respirators are not needed if the product is used in a well-ventilated area. However, a respirator is recommended when working with products where dusts and mists cause irritation of the eyes and/or mucous membranes.
Other Precautions: Always keep out of the reach of children.
Steps to be Taken if Material is Spilled or Released: Eliminate all ignition sources. Persons not wearing proper protective equipment should be excluded from the area of the spill. Stop spill at sources, dike area of spill to prevent spreading. Pump liquid to salvage tank. Absorb liquid on absorbent material and shovel into containers. This product is toxic to fish. Prevent runoff to sewers, streams or other bodies of water.
Waste Disposal: Comply with all local, state, and federal regulations. Consult your state DNR or the EPA for specific questions. Wastewater should never enter a fresh water body without treatment. This product, if disposed of, is an ignitable waste (waste #D001) under current RCRA regulations.
Handling and Storage: Store at room temperature. Keep container closed when not in use. Do not mix with other chemicals or cleaning agents.

SECTION 8 – OTHER REGULATORY INFORMATION