

MATERIAL SAFETY DATA SHEET from STEARNS PACKAGING CORPORATION

SECTION I—PRODUCT/MANUFACTURER'S IDENTITY

IDENTITY (As Used On Label and List):

Angora® Fabric Softener R-T-U

SYNONYMS: ST-29, ST-1050, ST-1055, ST-1056, ST-1060, ST-1200
Fabric Softener

FORMULA ID NUMBER: LL60

EPA REG #: None

NSF CERTIFIED: None

COMPANY: STEARNS PACKAGING CORPORATION
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HAZARD RATING		
1	Flammability	4 = Extreme
1	Health	3 = High
0	Reactivity	2 = Moderate
None	Special Hazard	1 = Slight
		0 = Insignificant

For Transportation Emergency Involving Hazardous Materials Contact: CHEM-TEL 1 (800) 255-3924

Shipping Information:

DOT SHIPPING NAME: Compound, cleaning, NOI, liquid. Item 48580, Sub 3, Class 55
DOT SHIPPING NUMBER: None
HAZARD LABEL: None
HAZARD CLASS: None

SECTION II—HAZARDOUS INGREDIENTS OR IDENTITY INFORMATION

HAZARDOUS CHEMICAL IDENTITY &

<u>CAS#</u>	<u>HAZARD</u>	<u>OSHA PEL</u>	<u>ACGIH TLV</u>	<u>OTHER LIMITS</u>	<u>% (OPTIONAL)</u>
▶ Methyl bis (fallow amido ethyl) 2 hydroxyethyl ammonium methyl sulfate 68410-69-5	Irritant				
▶ Isopropanol 67-63-0	Flammable		400 ppm (TWA)	500 ppm (STEL)	

SARA SECTION 313 TITLE III NOTIFICATION REQUIRED: No; CHEMICAL IN PRODUCT: None; CAS#: N/A; WEIGHT % OF CHEM: N/A

SECTION III—PHYSICAL/CHEMICAL CHARACTERISTICS

BOILING POINT:	210°F	VAPOR PRESSURE (mm Hg):	Not Determined
SPECIFIC GRAVITY (WATER=1):	1.000	VAPOR DENSITY (AIR=1):	Not Determined
MELTING POINT:	Not Determined	EVAPORATION RATE:	< 1 (Butyl Acetate=1)
SOLUBILITY IN WATER:	Complete	pH (CONCENTRATE):	6.5 ± 0.5
APPEARANCE AND ODOR:	Light blue liquid Clean, fresh scent	pH (1% SOLUTION):	Not Determined

SECTION IV—FIRE AND EXPLOSION HAZARD DATA

FLASH POINT (METHOD USED):	Non-combustible, >200°F
EXTINGUISHING MEDIA:	CO ₂ , water, dry chemical
FLAMMABLE LIMITS:	LEL: Not Applicable UEL: Not Applicable
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.
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.

SECTION V—REACTIVITY DATA

STABILITY:	Stable
INCOMPATIBILITY (MATERIALS TO AVOID):	Strong oxidizing agents
HAZARDOUS DECOMPOSITION OR BYPRODUCTS:	Sulfur and nitrogen compounds if exposed to extreme heat
CONDITIONS TO AVOID:	Freezing and extremes of heat
HAZARDOUS POLYMERIZATION:	Will not occur

SECTION VI—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.

CARCINOGENICITY: NTP:	No
IARC Monographs:	No
OSHA Regulated:	No

SIGNS AND SYMPTOMS OF OVEREXPOSURE: **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 pre-existing skin disorders may be susceptible to defatting, dermatitis and cracking.

EMERGENCY AND FIRST AID PROCEDURES:

Eyes:	If contact with eyes occurs, flush with plenty of cool water for 15 minutes. Consult a physician.
Skin:	May be irritating to skin. If contact occurs, 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. If ingested, drink large amounts of water or milk. DO NOT induce vomiting. Get medical attention immediately. Avoid contamination of foods.
Note to Physician:	No specific antidote. Use supportive care. Treatment should be based on judgment of the physician in response to the reactions of the patient.

SECTION VII—PRECAUTIONS FOR SAFE HANDLING AND USE

STEPS TO BE TAKEN IN CASE MATERIAL IS RELEASED OR SPILLED: 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 METHOD: Waste disposal must be done in accordance with all local, city or municipality, county, state, and federal regulations. Consult your state department of natural resources or the EPA for specific questions not answerable through other sources. Wastewater should never enter a fresh water body without treatment. Incineration is the recommended disposal method for all chemical wastes. Material collected on absorbent material may be landfilled in accordance with all applicable regulations.

PRECAUTIONS TO BE TAKEN IN HANDLING AND STORAGE: Store at room temperature. Keep container closed when not in use. Do not mix with other chemicals or cleaning agents.

OTHER PRECAUTIONS: Always keep product out of the reach of children.

SECTION VIII—OTHER REGULATORY INFORMATION

SECTION IX—CONTROL MEASURES

RESPIRATORY PROTECTION:	In general, respirators are not needed if the product is used in a well-ventilated area.
VENTILATION: Local Exhaust:	Recommended to control below TLV of 400 ppm for isopropanol.
Mechanical (General):	Recommended to control below TLV of 400 ppm for isopropanol.
SKIN PROTECTION:	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.
WORK/HYGIENIC PRACTICES:	As good hygiene dictates.

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