

MATERIAL SAFETY DATA SHEET

SECTION 1 - PRODUCT/MANUFACTURER'S IDENTITY

Product Name: Mark E II

Formula ID Number: SL-40

Synonyms: ST-756, ST-757, ST-758, ST-760,
ST-2145, ST-2146

MSDS File Name: MARK E II

EPA Reg #: 47371-129-3640

DOT Hazard Class: None

DOT Shipping Name: Disinfectant, NOI, Liquid Item
57100, Sub 3, Class 60

Company: Stearns Packaging Corporation
4200 Sycamore Avenue (53714)
PO Box 3216
Madison, WI 53704-0216

USDA Acceptance Date & Category Code: 9/25/90;
A4

Phone: 800-655-5008
Fax: 608-246-5149

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

Concentrate		In Dilution		HAZARD RATING
1	Flammability	0		
2	Health	1		
0	Reactivity	0		
None	Special Hazard	None		
4 = Extreme 3 = High 2 = Moderate 1 = Slight 0 = Insignificant				

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

SECTION 2 - HAZARDOUS INGREDIENTS INFORMATION

HAZARDOUS CHEMICAL IDENTITY	CAS NO.	HAZARD	PEL(ppm)	TLV(ppm)	%(Optional)	Other Limits
n-Alkyl (C14-50%, C12-40%, C16-10%) dimethyl benzyl ammonium chloride	8001-54-5	Irritant				
Didecyl dimethyl ammonium chloride	7173-51-5	Irritant				
Octyl dimethyl amine oxide	2605-78-9	Irritant				
Ethyl alcohol	64-17-5	Flammable	1000	1000		

SARA Section 313 Title III Notification Required: *No*

SECTION 3 - PHYSICAL DATA

Appearance and Odor: Light red liquid, amine odor.	Solubility in water: Complete	Vapor Pressure (mm Hg): 17.5	pH (Concentrate): 7.6-8.0
	Boiling Point: 212°F	Vapor Density (Air=1): <1	pH (1% Solution): N.D.
	Melting Point: N.A.	Evaporation Rate (Water=0.3): 1	Specific Gravity: 1.002

SECTION 4 - FIRE AND EXPLOSION HAZARD DATA

Flash Point and Method: Non-combustible, >200°F	Special Fire Fighting Procedures: Use full protective clothing and self-contained breathing apparatus.
Flammable Limits LEL: N.A. UEL: N.A.	Unusual Fire & Explosion Hazards: None
Extinguishing Media: CO ₂ , water, dry chemical	

SECTION 5 - REACTIVITY DATA

Chemical Stability: Stable: <input checked="" type="checkbox"/> Unstable: <input type="checkbox"/>	Hazardous Polymerization: May Occur <input type="checkbox"/> Will Not Occur <input checked="" type="checkbox"/>
Conditions to Avoid: Freezing and extreme heat	Conditions to Avoid: None known
Incompatibility (Materials to Avoid): None known	Hazardous Decomposition or By-Products: None known

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.	<u>Emergency and First Aid Procedures:</u>
Signs and Symptoms of Exposure: Irritation of eyes and possibly upon direct prolonged contact with skin. Mists may irritate mucous membranes.	Eyes: Flush with cool water for at least 15 minutes. If irritation persists, consult a physician.
Medical Conditions Aggravated by Exposure: No data available	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.
Carcinogenicity: IARC Monographs? Yes <input type="checkbox"/> No <input checked="" type="checkbox"/>	Inhalation: Remove from exposure. Obtain medical attention immediately.
NTP? Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> OSHA Regulated? Yes <input type="checkbox"/> No <input checked="" type="checkbox"/>	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.
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.	

SECTION 7 - PREVENTATIVE AND CONTROL MEASURES

Ventilation: Local Exhaust: Recommended for control of dusts and vapors. Mechanical: Recommended for control of dusts and vapors.	Steps to be Taken if Material is Spilled or Released: May be flushed with water. Material is biodegradable and may be flushed with water to sewer.
Skin Protection: Use neoprene, rubber, or other chemical resistant gloves. Wear protective clothing to prevent repeated or prolonged exposure.	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.
Eye Protection: Avoid eye contact.	Handling and Storage: Store at room temperature. Keep container closed. Do not mix with other chemicals or cleaning agents.
Respirator Protection: In general, respirators are not needed if the product is used in a well-ventilated area.	
Other Precautions: Always keep out of the reach of children.	

SECTION 8 - OTHER REGULATORY INFORMATION

SARA Title III, Sections 311/312, listed chemicals:	State Right-to-Know Regulations:		
Immediate (Acute) Health Hazard:	N-Nitrosodimethylamine	62-75-9	CA
N,N-Didecyl-N, N dimethylammonium chloride	N,N-Didecyl-N, N dimethylammonium chloride	7173-51-5	NJ
N-Alkyl(C12-C16)-N,N-dimethyl-benzylammonium chloride	N-Alkyl(C12-C16)-N,N-dimethyl-benzylammonium chloride	8001-54-5	NJ
Fire Hazard:	Benzyl chloride	100-44-7	CA, MA
Ethyl alcohol	Ethyl alcohol	64-17-5	CA, NJ, PA
	Propylene oxide	75-56-9	CA, MA
	Toluene	108-88-3	CA
	Benzene	71-43-2	CA, MA

rev. 06/30/00

This MSDS data relates only to the material designated and does not relate to its use with any other material or process. The data is believed to be accurate. However, since use conditions vary and are outside our control, Stearns Packaging Corporation makes no warranties, expressed or implied, and assumes no liability for failure to follow directions and safety precautions.

