

**SECTION 1 - PRODUCT/MANUFACTURER'S IDENTITY**

Product Name: Mark 11  
 Synonyms: 5T-735, 5T-747, 5T-3024, 5T-3021

Formula ID Number: SL-J0  
 MSDS File Name: MARK\_11  
 EPA REG #: 1839-79-3640  
 DOT Hazard Class: None  
 DOT Shipping Name: Disinfectant, NOL Liquid Item 57109, Sub 3, Class 60  
 USDA Acceptance date & Category code: 112

In Dilution		HAZARD RATING
0	Flammability	
1	Health	
0	Reactivity	1 = Slight 0 = Insignificant
None	Special Hazard	

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 Fax: 808-246-6149

Emergency Contact: CHEM-TEL, 800-265-3924

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)
Sodium carbonate	497-19-8	Irritant			
Nonylphenoxypolyethoxyethanol	127087-87-0	Irritant			
N-ADyl (C11-18)-N, N-dimethyl-N-benzyl-ammonium chloride	68381-01-3	Corrosive			2.25%
Alkyl dimethyl eth. benz. amm. chl. (C11-14)	68956-79-6	Corrosive			2.25%

SARA Section 313 Title III Notification Required: No

**SECTION 3 - PHYSICAL DATA**

Appearance and Odor: Red liquid  
 Quaternary odor

Solubility in water: Complete  
 Boiling Point: 213°F  
 Melting Point: NA

Vapor Pressure (mm Hg): ND  
 Vapor Density (Air = 1): ND  
 Evaporation Rate (Water = 0.3): ND

pH (Concentrate): 9.0-9.5  
 pH (1% Solution): ND  
 Specific Gravity: 1.035

**SECTION 4 - FIRE AND EXPLOSION HAZARD DATA**

Flash Point and Method: Non-combustible, >200°F  
 Flammable Limits: LEL: NA UEL: NA  
 Extinguishing Media: CO2, water, dry chemical

Special Fire Fighting Procedures: Use full protective clothing and self-contained breathing apparatus.  
 Unusual Fire & Explosion Hazards: None

**SECTION 5 - REACTIVITY DATA**

Chemical Stability: Stable  Unstable   
 Conditions to Avoid: Freezing and extreme heat  
 Incompatibility (Materials to Avoid): None known

Hazardous Polymerization: May Occur  Will not Occur   
 Conditions to Avoid: None known  
 Hazardous Decomposition or By-products: Ammonia

**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: Irritation of eyes and possibly upon direct prolonged contact with skin. Mists may irritate mucous membranes.  
 Medical Conditions Aggravated by Exposure: No data available  
 Carcinogenicity: IARC Monographs? Yes  No   
 NTP? Yes  No  OSHA Regulated? Yes  No

Emergency and First Aid Procedures:  
 Eyes: If contact occurs, flush with plenty of cool water for 15 minutes. 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. If ingested, drink large amounts of water or milk. DO NOT induce vomiting. Get medical attention immediately. Avoid continuation of foods.

Physicians note: No specific antidote. Use supportive care. Treatment should be based on physician's judgement in response to the patient's reaction.

**SECTION 7 - PREVENTATIVE AND CONTROL MEASURES**

Ventilation: Use with adequate ventilation. If misted or aerosol generated, local or mechanical exhaust recommended to maintain vapor concentration below TLV. This level should not be reached under normal working conditions.

Skin Protection: EPA recommends use of gloves to handle germicidal products.  
 Eye Protection: EPA recommends use of goggles to handle germicidal products.  
 Personal Hygiene: As in handling any germicidal detergent, wash thoroughly after using.  
 Respiratory Protection: Not required under normal working/use conditions.

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.

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.

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: Keep out of the reach of children

**SECTION 8 - OTHER REGULATORY INFORMATION**

California Safe Drinking Water and Toxic Enforcement Act of 1986: No chemicals listed by Calif are present at a level that poses a significant risk of causing cancer or reproductive toxicity.

Massachusetts Right-to-know law:

Arsenic 7440-38-2    Lead 7439-92-1  
 Chromium 7440-47-3    Ethylene oxide 75-21-8 (Traces)

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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.