

MATERIAL SAFETY DATA SHEET

SECTION 1 – PRODUCT/MANUFACTURER'S IDENTITY

Product Name: Steramine®
Formula ID Number: SL10
MSDS File Name: STERAMINE
Synonyms: ST-718, ST-722, ST-723, ST-741,
ST-742, ST-743, ST-767, ST-1266,
ST-2010, Steramine® Disinfectant
EPA Reg #: 10324-63-3640
DOT Hazard Class: None
Company: Stearns Packaging Corporation
4200 Sycamore Avenue (53714)
PO Box 3216
Madison, WI 53704-0216
800-655-5008
608-246-5149
Fax:
Website: www.stearnspkg.com
DOT Shipping Name: Disinfectant, NOI, liquid.
Item 57100, Sub. 3, Class 85
NSF Certified: None

Concentrate		In Dilution		HAZARD RATING
0	Flammability	0	0	
2	Health	1	1	3 = High
0	Reactivity	0	0	2 = Moderate
None	Special Hazard	None	None	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	PEL(ppm)	TLV(ppm)	% (Optional)
Water	7732-18-5				
Alkyl dimethyl benzyl ammonium chloride (C ₁₂₋₁₈)	68391-01-5	Corrosive/Disinfectant	N.D.	N.D.	5%
Alkyl dimethyl ethylbenzyl ammonium chloride(C ₁₂₋₁₈)	85409-23-0	Corrosive/Disinfectant	N.D.	N.D.	5%

SARA Section 313 Title III Notification Required: No

SECTION 3 – PHYSICAL DATA

Appearance and Odor: Solubility in water: Complete
Clear liquid Boiling Point: N.D.
Benzaldehyde odor VOC Content: < 13%

Vapor Pressure (mm Hg): N.D.
Vapor Density (Air=1): Heavier than air
Evaporation Rate (Water=0.3): N.D.

pH (Concentrate): 6 . 8
pH (1% Solution): N.D.
Specific Gravity: 0.994

SECTION 4 – FIRE AND EXPLOSION HAZARD DATA

Flash Point and Method: None when heated to 100°C. Cleveland Open Cup
Flammable Limits LEL: N.D.
UEL: N.D.
Extinguishing Media: Any agent suitable for surrounding fire.

Special Fire Fighting Procedures: Firefighters should wear full protective clothing including self-contained breathing apparatus. Cool the fire-exposed containers with spray.
Unusual Fire & Explosion Hazards: Combustion products are toxic. Irritating and toxic gases or fumes may be released during a fire.

SECTION 5 – REACTIVITY DATA

Chemical Stability: Stable: Unstable: _____
Conditions to Avoid: Keep away from heat and strong oxidizing agents.
Incompatibility (Materials to Avoid): Strong oxidizing agents (may result in fire), reducing agents, anionic soaps and detergents.

Hazardous Polymerization: May Occur _____ Will Not Occur
Hazardous Decomposition or By-Products: Carbon monoxide, carbon dioxide, hydrogen chloride vapors.

SECTION 6 – HEALTH HAZARD DATA/FIRST AID PROCEDURES

Health Hazards (Acute and Chronic): Corrosive. Hazards to humans and domestic animals. Causes irreversible eye damage and skin burns. Harmful if swallowed or absorbed through the skin. Do not get into eyes, on skin, or on clothing.

Signs and Symptoms of Exposure: May cause irritation or burn to the eyes, skin, gastrointestinal tract, and respiratory system. Exposures may cause irritation and defatting of the skin, and may result in permanent injury to eyes including blindness. Mists and vapors can irritate the throat and respiratory tract. High vapor concentrations may cause central nervous system effects. Symptoms may include headaches, dizziness, and drowsiness. Ingestion can cause gastrointestinal irritation, nausea, vomiting, and diarrhea.

Medical Conditions Aggravated by Exposure: No data available
Carcinogenicity: IARC Monographs? No data available
NTP? Yes _____ No OSHA Regulated? Yes _____ No

Emergency and First Aid Procedures:
IF ON SKIN OR CLOTHING: Take off contaminated clothing and wash clothing before reuse. Rinse skin immediately with plenty of water for 15-20 minutes. Call a poison control center or doctor for treatment advice.
IF IN EYES: Hold eye open and rinse slowly and gently with water for 15-20 minutes. Remove contact lenses, if present, after the first 5 minutes, then continue rinsing eye. Call a poison control center or doctor for treatment advice.
IF SWALLOWED: Call a poison control center or doctor for treatment advice. Have person sip a glass of water if able to swallow. Do not induce vomiting unless told to do so by a poison control center or doctor. Do not give anything by mouth to an unconscious person.
NOTE TO PHYSICIAN: Probable mucosal damage may contraindicate the use of gastric lavage.

SECTION 7 – PREVENTATIVE AND CONTROL MEASURES

Ventilation: Provide adequate local exhaust (explosion proof).
Skin Protection: Use impervious gloves (rubber or neoprene). Wear suitable protective clothing. Wash hands thoroughly with soap and water after handling.
Eye Protection: Wear chemical goggles. Use face shield around splashing.
Respiratory Protection: If exposure limits are exceeded or if irritation is experienced, NIOSH approved respiratory protection should be worn. Ventilation and other forms of engineering controls are often the preferred means for controlling chemical exposures. Respiratory protection may be needed for non-routine or emergency situations.
Other Precautions: Keep out of the reach of children. Wash hands before eating, drinking, chewing gum, using tobacco or using the toilet. Eye wash fountain and emergency showers are recommended.

Steps to be Taken if Material is Spilled or Released: Remove ignition sources. Wear respirator. Small spills may be mopped up, flushed away with water or absorbed on some absorbent material and incinerated. Large spills should be contained; the material then moved into containers and disposed of by approved methods for hazardous wastes.
Waste Disposal: Comply with all local, state and federal regulations. Do not reuse empty container. Wrap and discard in trash (or recycle).
Handling and Storage: Store in original container in areas inaccessible to small children. Do not store on side. Avoid creasing or impacting of side walls.

SECTION 8 – OTHER REGULATORY INFORMATION

Toxicity:
Acute Oral LD₅₀: >2,500 mg/kg in male and female rats
Acute Dermal LD₅₀: >2,000 mg/kg in male and female rabbits
Primary Skin: Corrosive
Primary Eye: Corrosive

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.

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