

# ONE PACKS

Dispenser-Free Control Systems®

## Mark 11

**pH Neutral Disinfectant, Non-Food Contact Sanitizer, Cleaner, Mildewstat, Fungicide, Virucide\*, and Deodorizer**



**Mark 11**  
ST-740, 0.5 oz pack

ST-No.	Case UPC No. Mfg. No. 071206	Each UPC No. Mfg. No. 071206	Case Size	Case Weight	Cases/ Pallet	Pack Yield
ST-735	009043	N/A	72 x 2 fl. oz. packs	10.75 pounds	75	1 gallon
ST-738	007384	N/A	36 x 4 fl. oz. packs	11 pounds	75	2 gallons
ST-740	009951	N/A	144 x 0.5 fl. oz. packs	6.5 pounds	75	1 quart
ST-740E	274007	027405	10 x 10 x 0.5 fl. oz. packs	5.5 pounds	64	1 quart
ST-1375	013750	N/A	25 x 0.5 fl. oz. packs w/bottle	1.75 pounds	162	1 quart
ST-747	008916	N/A	10 x 10 fl. oz. packs	8 pounds	100	5 gallons
ST-2020	202000	320209	4 x 1 gallon case	37 pounds	48	1/2 oz. per quart
ST-9950	009180	N/A	12 x 32 oz. empty silk-screened spray bottles	3.5 pounds	40	N/A

### DISINFECTANT

MARK 11 is a phosphate free, pH neutral formulation designed to provide effective cleaning, deodorizing and disinfection in hospitals, nursing homes, schools, food establishments, factories, office buildings, hotels, motels, transportation terminals, athletic and recreational facilities, where housekeeping is of prime importance in controlling the hazard of cross contamination on treated surfaces. MARK 11 has been formulated to aid in the reduction of cross-contamination on treated surfaces not only in hospitals, but also in schools, institutions and industry. MARK 11 cleans, shines, deodorizes and disinfects all hard non-porous surfaces listed on the label: floors, washable walls, sinks, countertops, toilet bowls, tables, chairs and telephones. It inhibits the growth of mold and mildew, leaving bathrooms and kitchens clean and fresh smelling.

A quaternary based formulation. When used on environmental, inanimate, hard surfaces at 0.5 ounce per quart of water (660 ppm active), provides broad spectrum kill against *Pseudomonas Aeruginosa*, *Salmonella Enterica*, *Staphylococcus Aureus*, *VRE*, *VISA*, *E. coli O157:H7*, *MRSA*, and *CA-MRSA* bacterial organisms and many more. HIV-1, Influenza A (H1N1), Influenza A2, Avian Influenza A, HBV, HCV, Herpes Simplex Types 1 & 2, Swine Influenza A (H1N1), and Vaccinia viruses and many more. Controls the growth of mold and mildew including *Trichophyton Mentagrophytes* (Athletes Foot Fungus). At 2 ounces per quart of water this product is effective against **Canine Parvovirus Type 2b (Nike Strain)** and **Rabies Virus**.

### Directions

It is a violation of Federal Law to use MARK 11 in a manner inconsistent with its labeling.

MARK 11 is not for use on medical device surfaces. MARK 11 is not for use to disinfect, sanitize or clean eating equipment, glassware or dishware.

#### DISINFECTION PREPARATION OF USE SOLUTION:

For water hardness up to 200 ppm to disinfect hard, non-porous surfaces mix a 1/2-ounce packet with 1 quart of water. Treated surfaces must remain wet for 10 minutes.

#### Disinfection/Fungicidal/\*Virucidal Directions:

Apply use solution to hard inanimate, non-porous surfaces thoroughly wetting surfaces as recommended and required, with a cloth, mop, sponge or sprayer. For sprayer applications use a coarse spray device. Spray 6-8 inches from surface and rub with brush, sponge or cloth. Do not breathe spray.

Add 1/2 ounce per quart (16 milliliters per liter) of water to disinfect hard, non-porous surfaces. Treated surfaces must remain wet for 10 minutes. Prepare a fresh solution at least daily or when use dilution becomes diluted or soiled.

#### Non-Acid Toilet Bowl and Urinal Disinfection/Cleaner Directions:

Remove gross filth prior to disinfection.

From use solution: Empty toilet bowl or urinal and apply 1/2 ounce per quart (16 milliliters per liter) use solution to exposed surfaces including under the rim with a cloth, mop, sponge or sprayer, brush or swab thoroughly and allow to stand for 10 minutes and flush.

### Chemical Characteristics

<b>Abrasive</b> .....	no
<b>Appearance</b> .....	red liquid
<b>Biodegradable</b> .....	yes
<b>Fragrance</b> .....	fresh scent
<b>Non-Acid</b> .....	yes
<b>Non-Butyl</b> .....	yes
<b>Non-Flammable</b> .....	yes
<b>Non-Toxic</b> .....	no
<b>NSF Certified</b> .....	D2
<b>pH (concentrate)</b> .....	7.0-8.0
(use dilution (1:64)) .....	7.0-8.0
<b>Phosphate-Free</b> .....	yes
<b>Sara 313 notification required</b> .....	no
<b>VOC Compliant</b> .....	yes

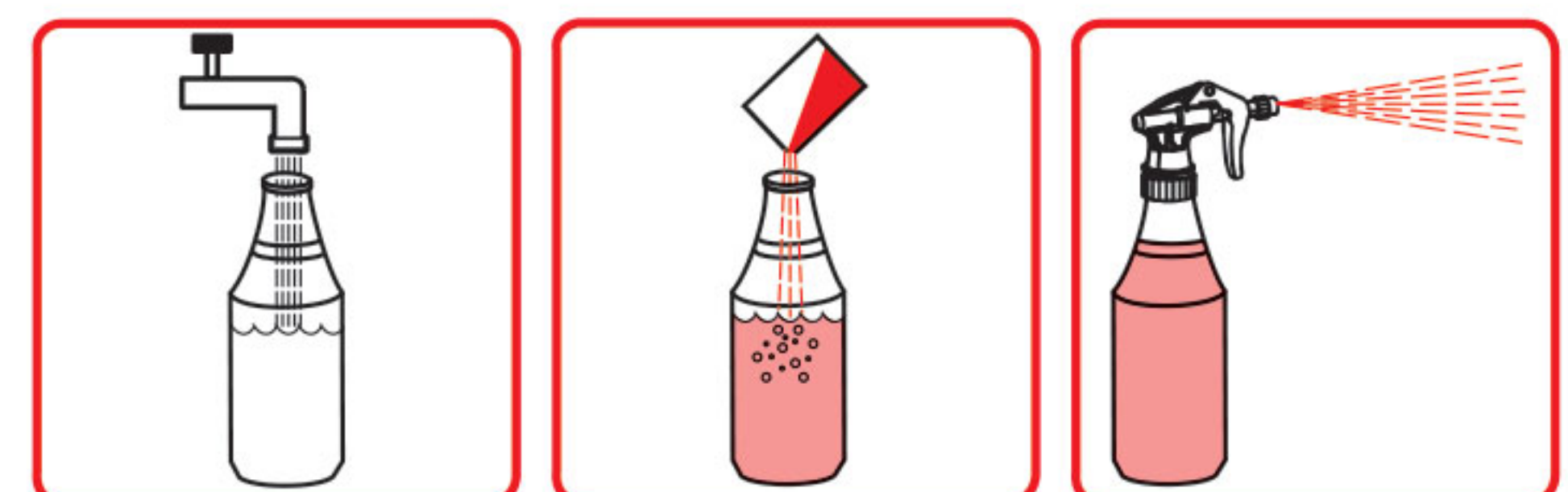
### Active Ingredients

#### ACTIVE INGREDIENTS:

Didecyl Dimethyl Ammonium Chloride .....	2.535%
n-Alkyl (C14 50%, C12 40%, C16 10%).....	
dimethyl benzyl ammonium chloride.....	1.690%
<b>INERT INGREDIENTS:</b> .....	<b>95.775%</b>
<b>TOTAL:</b> .....	<b>100.000%</b>

EPA Reg. No. 10324-154-3640

EPA Est. No. 3640-WI-1



**UnoClean.com 1-888-226-2724**

# MATERIAL SAFETY DATA SHEET

## SECTION 1 – PRODUCT/MANUFACTURER'S IDENTITY

Product Name: Mark 11  
Synonyms: ST-735, ST-738, ST-740, ST-740E,  
ST-745, ST-747, ST-1375  
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: SL30  
MSDS File Name: MARK 11  
EPA Reg #: 10324-154-3640  
DOT Hazard Class: None  
DOT Shipping Name: UN1903, disinfectants, liquid,  
corrosive, n.o.s. (quaternary ammonium chloride), 8,  
PG III, Ltd Qty. Item 44155, Sub 4, Class 70  
NSF Certified: D2, 7/26/07, #135243

Concentrate		In Dilution		HAZARD RATING
0	Flammability	0	0	
2	Health	1	1	
0	Reactivity	0	0	
B	PPE	B	B	

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 PEL(ppm)	ACGIH TLV(ppm)	%(Optional)
Didecyl dimethyl ammonium chloride	7173-51-5	Corrosive	1000 ppm (TWA)	1000 ppm (TWA)	2 - 3
Alkyl dimethyl benzyl ammonium chloride (C12-16)	68424-85-1	Corrosive			1 - 2

SARA Section 313 Title III Notification Required: No

## SECTION 3 – PHYSICAL DATA

Appearance and Odor: Red liquid, fresh scent	Specific Gravity: 1.00 (8.34 lbs/gal)	VOC Content: ~ 1	Evaporation Rate (Butyl acetate=1): N.D.
Solubility in water: Complete	Boiling Point: N.D.	Vapor Pressure (mm Hg): N.D.	Pour Point: N.D.
	Melting Point: N.A.	Vapor Density (Air=1): Estimated to be heavier than air	pH (Concentrate): 7.0 – 8.0
	Percent Volatiles: N.D.	Viscosity: 1.4489 mm <sup>2</sup> /s (cSt) @ 22°C	pH (1:64 Dilution): 7.0 – 8.0

## SECTION 4 – FIRE AND EXPLOSION HAZARD DATA

Flash Point and Method: None when heated to 105°C – Tag Closed Cup	Special Fire Fighting Procedures: Firefighters should wear full protective clothing including self-contained breathing apparatus. Cool fire exposed containers with spray.
Flammable Limits: LEL: N.D. UEL: N.D.	Unusual Fire & Explosion Hazards: Combustion products are toxic.
Extinguishing Media: Dry chemical, foam, CO <sub>2</sub> , water fog or any other agent suitable for surrounding fire.	

## 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: Heat and strong oxidizing agents.	Hazardous Decomposition or By-Products: Carbon monoxide, carbon dioxide, and toxic hydrogen chloride vapors.
Incompatibility (Materials to Avoid): Strong oxidizing agents (may result in fire), reducing agents.	

## SECTION 6 – HEALTH HAZARD DATA/FIRST AID PROCEDURES

Health Hazards (Acute and Chronic): Corrosive to the eyes, skin, gastrointestinal tract, and respiratory system.	Emergency and First Aid Procedures:
Signs and Symptoms of Exposure: Ingestion: Ingestion can cause gastrointestinal irritation, nausea, vomiting, and diarrhea and possibly death. Harmful if swallowed. Skin: Causes corrosive burns. Brief exposures may cause irritation and defatting of the skin. Exposures not promptly washed off may lead to toxic effects similar to ingestion. Harmful if absorbed through skin. Inhalation: 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. Harmful if inhaled. Eyes: Causes burns and may result in permanent injury to eyes including blindness.	Eyes: Immediately flush eyes with water for at least 15 minutes, while holding eyelids open. Remove contact lenses, if present, after the first 5 minutes, then continue rinsing eye. Seek medical attention at once.
Medical Conditions Aggravated by Exposure: No data available.	Skin: Take off contaminated clothing. Rinse skin immediately with plenty of water for 15-20 minutes. Call a poison control center or doctor for treatment advice.
Carcinogenicity: IARC Monographs? Yes <input type="checkbox"/> No <input checked="" type="checkbox"/>	Ingestion: Call a poison control center or doctor immediately 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.
NTP? Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> OSHA Regulated? Yes <input type="checkbox"/> No <input checked="" type="checkbox"/>	Inhalation: If symptoms are experienced, move victim to fresh air. If person is not breathing, call 911 or an ambulance, then give artificial respiration, preferably mouth-to-mouth if possible. Call a poison control center or doctor for further treatment advice.
NOTE TO PHYSICIAN: Probable mucosal damage may contraindicate the use of gastric lavage.	

## SECTION 7 – PREVENTATIVE AND CONTROL MEASURES

Ventilation: Provide adequate local exhaust ventilation (explosion proof) to maintain worker exposure below exposure limits.	Steps to be Taken if Material is Spilled or Released: Isolate spill or leak area immediately. Keep unauthorized personnel away. Stay upwind. Keep out of low areas where vapors may accumulate. Eliminate all ignition sources (no smoking, flares, sparks, or flames in immediate area.) Ventilate closed spaces before entering. All equipment used when handling the product must be grounded. Floor will be slippery. Do not touch or walk through spilled material. Stop leak if you can do it without risk. Prevent entry into waterways, sewers, basements, or confined areas. Absorb or cover the dry earth, sand, or other non-combustible material and transfer to containers. For large spills, dike far ahead of liquid spill for later disposal. Pump into containers for disposal.
Skin Protection: Use impervious gloves (rubber or neoprene). Wear suitable protective clothing.	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: Wear chemical goggles. Use face shield if splashing is possible.	Handling and Storage: Avoid contact with skin and eyes. Use good personal hygiene practices. Wash hands before eating, drinking, smoking, or using toilet facilities. Wash thoroughly after work using soap and water. Keep container tightly closed and in a cool, well-ventilated place. Keep from freezing. Do not handle or store near an open flame, heat, or other sources of ignition. Prevent electrostatic charge buildup by using common bonding and grounding techniques.
Respiratory Protection: If exposure limits are exceeded or if irritation is experienced, an organic-vapor removing cartridge with a pre-filter respiratory (MSHA/NIOSH approved) 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: Eye wash fountain and emergency showers are recommended. Keep out of the reach of children.	

## SECTION 8 – OTHER REGULATORY INFORMATION

TSCA Status: All ingredients of this product are listed on the TSCA Inventory  
Ecological Information: Very toxic to aquatic organisms. This product is biodegradable.  
Acute Oral LD50: >1000 mg/kg for male and female rats; Acute Dermal LD50: >2000 mg/kg for male and female rabbits  
Toxicological Information: No carcinogenicity data available. Primary Skin: Corrosive; Primary Eye: Corrosive  
SARA Title III, Sections 311/312 – Classification of this product: Immediate, Fire  
WHMIS Classification: E, D2B

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.