



Powdered Detergent/Disinfectant

CLEANER • DETERGENT • DEODORIZER • VIRUCIDE* • DISINFECTANT
MILDEWSTAT (on hard inanimate surfaces) • FUNGICIDE (against pathogenic fungi) Kills Pandemic 2009 H1N1 Influenza A virus (formerly called swine flu)
Convenient Water-Soluble Packets for Quarts.

*Powdered Detergent/Disinfectant
ST-690, 125 count container*

ST-No.	Case UPC No. Mfg. No. 071206	Each UPC No. Mfg. No. 071206	Case Size	Case Weight	Cases/Pallet	Yield
ST-690	106902	206909	4 x 125 x 3.5 g	5.25 pounds	150	500 Quarts
ST-691	106919	206909	1 x 125 x 3.5 g w/bottle	2.0 pounds	154	125 Quarts
ST-9690	969002	N/A	12 x 32 oz empty silk-screened bottles	3 pounds	40	N/A

DISINFECTANTS

Cleans, disinfects, and deodorizes in a single step. Kills HIV-1 (AIDS virus), Hepatitis B, Hepatitis C, Influenza A viruses including pandemic 2009 H1N1 Influenza A virus, E. coli, Salmonella choleraesuis, and many other pathogens on hard, inanimate surfaces. Fungicidal against Tricophyton Mentagrophytes (Athlete's Foot Fungus). Fresh lemon fragrance. EPA registered. Designed specifically for hospitals, nursing homes, and other institutions.

Directions

ST-690 & ST-691

Add one (3.5 g) premeasured packet per quart of water. Powdered Detergent/Disinfectant is EPA registered as a disinfectant. This product has demonstrated efficacy against a variety of microorganisms including Pseudomonas aeruginosa PRD-10, Escherichia coli, Klebsiella pneumoniae, Salmonella schottmuelleri, Salmonella choleraesuis, Brevibacterium ammoniagenes, Streptococcus faecalis, Shigella dysenteriae, Staphylococcus aureus, Enterobacter aerogenes, Trichophyton mentagrophytes, and HIV-1. As an EPA registered disinfectant, it is a violation of federal law to use this product in a manner inconsistent with its labeling.

EPA Registration

EPA REG. NO. 1839-93-3640

EPA EST. NO. 3640-WI-01

See actual container label for complete EPA information.

Chemical Characteristics

- Abrasive no
- Appearance pink powder
- Biodegradable yes
- Corrosive (in powder form) yes
- Fragrance lemon
- Non-Acid yes
- Non-Butyl yes
- Non-Flammable yes
- pH (use dilution) 8.5
- Phosphate-Free yes
- Sara 313 notification required no
- Solubility in water complete
- VOC Compliant yes

Active Ingredients

The active ingredients in Powdered Detergent/Disinfectant are alkyl dimethyl benzyl ammonium chlorides and alkyl dimethyl ethylbenzyl ammonium chlorides.

Caution

Do not handle packets with wet hands. Do not remove packets from container until just prior to use. Humidity and water will destroy the packet integrity.



MATERIAL SAFETY DATA SHEET

SECTION 1 – PRODUCT/MANUFACTURER'S IDENTITY

Product Name: **Quart'r Packs Powdered Detergent/Disinfectant**
Formula ID Number: SP30Q
MSDS File Name: QTR PACKS POWD DET/DIS
EPA Reg #: 1839-93-3640
Synonyms: ST-690, ST-691
DOT Hazard Class: None
Company: **Stearns Packaging Corporation**
4200 Sycamore Ave. (53714)
PO Box 3216
Madison, WI 53704-0216
DOT Shipping Name: Disinfectant, NOI, powder.
Item 57100, Sub 3, Class 85
Phone: 800-655-5008
Fax: 608-246-5149
Website: www.stearnspkg.com
NSF Certified: None

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

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)	TLV(ppm)	%(Optional)
Sodium sulfate	7757-82-6				
Urea	57-13-6	Irritant	10 mg/m3 TWA		
Alkyl dimethyl benzyl ammonium chloride (C12-18)	68391-01-5	Corrosive			7.95%
Alkyl (68% C12, 32% C14) dimethyl ethylbenzyl ammonium chloride	85409-23-0	Corrosive			7.95%
Linear primary alcohol ethoxylate	68131-39-5	Irritant			
Sodium carbonate	497-19-8	Irritant			
Silicon dioxide	7631-86-9		6 mg/m3 TWA		

SARA Section 313 Title III Notification Required: No

SECTION 3 – PHYSICAL DATA

Appearance and Odor: Solubility in water: Complete
Deep pink powder, lemon scent
Boiling Point: N.A.
Melting Point: N.A.
Vapor Pressure (mm Hg): N.D.
Vapor Density (Air=1): Estimated heavier than air
Evaporation Rate: Estimated slower than ethyl ether
pH (Concentrate): N.A.
pH (1% Solution): 9.0-10.0
Specific Gravity: N.A.

SECTION 4 – FIRE AND EXPLOSION HAZARD DATA

Flash Point and Method: > 200° F (> 93.9° C)
Special Fire Fighting Procedures: Firefighters should wear full fire-fighting turn-out gear (full Bunker gear) including NIOSH-approved self-contained breathing apparatus with full facepiece operated in the pressure demand or other positive pressure mode.
Flammable Limits: LEL: N.A.
UEL: N.A.
Extinguishing Media: Dry chemical, foam, carbon dioxide, water fog
Unusual Fire & Explosion Hazards: None

SECTION 5 – REACTIVITY DATA

Chemical Stability: Stable: Unstable:
Conditions to Avoid: Freezing and extreme heat.
Incompatibility (Materials to Avoid): May react with oxidizing agents.
Hazardous Polymerization: May Occur Will Not Occur
Hazardous Decomposition or By-Products: Upon decomposition, this product may yield oxides of nitrogen and ammonia, carbon dioxide, carbon monoxide and other low molecular weight hydrocarbons.

SECTION 6 – HEALTH HAZARD DATA/FIRST AID PROCEDURES

Health Hazards (Acute and Chronic): May be corrosive to the skin and eyes.
May be harmful if swallowed.
Signs and Symptoms of Exposure: Eyes: May be corrosive to eyes. Skin: May be corrosive to skin. Inhalation: Dusts of this product may cause irritation of the nose, throat, and respiratory tract. Ingestion: May be harmful if swallowed. May cause nausea, vomiting, and diarrhea.
Medical Conditions Aggravated by Exposure: N.D.
Carcinogenicity: IARC Monographs? Yes No
NTP? Yes No OSHA Regulated? Yes No
NOTE TO PHYSICIAN: If the product is ingested, probable mucosal damage may contraindicate the use of gastric lavage. Treat the affected person appropriately.
Emergency and First Aid Procedures:
Eyes: Immediately flush eyes with water for at least 15 minutes while holding eyelids open. Get medical attention or advice.
Skin: Immediately take off all contaminated clothing. For skin contact, flush with large amounts of water. If irritation persists, get medical attention. Wash contaminated clothing before reuse.
Inhalation: If symptoms are experienced, remove source of contamination or move victim to fresh air. If symptoms persist, get medical attention. If not breathing, give artificial respiration, preferably mouth-to-mouth. If breathing is difficult, give oxygen. Seek medical attention.
Ingestion: If swallowed, get immediate medical attention or advice. Do not induce vomiting.

SECTION 7 – PREVENTATIVE AND CONTROL MEASURES

Engineering Controls: Provide adequate local exhaust ventilation to maintain worker exposure below exposure limits.
Skin Protection: Work clothing sufficient to prevent all skin contact should be worn, such as coveralls and long sleeves. Use impervious gloves.
Eye/Face Protection: Wear chemical goggles and face shield.
Respiratory Protection: If exposure limits are exceeded or if irritation is experienced, NIOSH approved respiratory protection should be worn.
Other Precautions: Eye wash fountain and emergency showers are recommended. Keep out of the reach of children.
Steps to be Taken if Material is Spilled or Released: Wear appropriate personal protective equipment during cleanup. Cover powder spill with plastic sheet or tarp to minimize spreading. Use clean non-sparking tools to collect absorbed material. With clean shovel place material into clean, dry container; move containers from spill area. DO NOT GET WATER INSIDE CONTAINERS. Do not touch or walk through spilled material.
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. Pesticide wastes are acutely hazardous. Improper disposal of excess pesticide, spray mixture, or rinsate is a violation of Federal Law.
Handling and Storage: Avoid contact with skin and eyes. Avoid breathing dusts from this material. Wash thoroughly after handling. As with all chemicals, good industrial hygiene practices should be followed when handling this material. Keep the container tightly closed and in a cool, well-ventilated place. DO NOT CONTAMINATE WATER, FOOD, OR FEED BY STORAGE OR DISPOSAL.

SECTION 8 – OTHER REGULATORY INFORMATION

Toxicological Information: Sodium sulfate 7757-28-6
Urea 57-13-6
Sodium carbonate 497-19-8
Oral LD50: Mouse 5989 mg/kg
Oral LD50: Rat 8471 mg/kg, Mouse 11 g/kg
Inhalation LC50: Rat 2300 mg/m3/2H, Mouse 1200 mg/m3/2H;
Oral LD50: Rat 4090 mg/kg, Mouse 6600 mg/kg

Ecotoxicity: Toxic to fish

There is no calculable reportable quantity (RQ) for this product.

This product is considered a pesticide and is therefore excluded from the United States TSCA Regulations.

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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