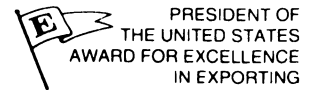


# PHARMACEUTICAL INNOVATIONS, INC.



897 Frelinghuysen Avenue, Newark, New Jersey 07114-2195

## THIS PRODUCT IS NOT AVAILABLE FOR SALE OR DISTRIBUTION T-SPRAY DISINFECTANT DETERGENT

### Section 1 – Material Identification

Product: T-Spray Disinfectant Detergent  
Date Prepared: 10/01/2001

Manufacturer: Pharmaceutical Innovations, Inc.  
Telephone: 973-242-2900

### Section 2 – Hazardous Ingredients

N-ALKYL (C12-18)-N, N-DIMETHYL-N-BENZYL  
AMMONIUM CHLORIDE (CAS 68391-01-5)  
ALKYL DIMETHYL ETHYL BENZYL  
AMMONIUM CHLORIDE (C12-14) (CAS 68956-79-6)

OSHA PEL	ACGIH TLV
NL	NL
NL	NL

### Section 3 – Physical/Chemical Characteristics

Boiling Point: Approx. 212F  
Solubility in Water: Complete  
Vapor Density: >1  
Appearance & Odor: Blue green, perfumed, clear liquid

Evaporation Rate: ND  
Density: 1.01 g/cc  
Vapor Pressure (mm Hg): ND

### Section 4 – Fire and Explosion Hazard Data

Flash Point: ND  
Extinguishing Media: All Types  
Flammable Limits: ND  
Unusual Fire and Explosion Hazards: None  
Special Fire fighting procedures: Use self contained breathing apparatus for maximum respiratory protection.

Lower Exposure Limit: ND  
Upper Exposure Limit: ND

### Section 5 – Reactivity Data

Stability: Stable  
Incompatibility: Strong oxidizing agents

Hazardous Polymerization: Will not occur  
Hazardous Decomposition Products: Nitrous Oxides  
Ammonical vapors

### Section 6 – Health Hazard Data

Route of Entry	Effect
Health Hazards:	Contact with eyes causes irritation. Prolonged or repeated contact with skin may cause irritation. Vapors or mist may irritate respiratory passage.

Carcinogenicity	
NTP	None
IARC	None
OSHA	None

This product is not considered a carcinogen by OSHA, NTP, or IARC

Signs and Symptoms of Exposure: ND

Medical Conditions Aggravated: N/A

### Emergency and First Aid Procedures:

Eye Contact: Flush eyes immediately with plenty of water for at least 15 minutes. Call a physician.  
Skin Contact: Wash off skin and remove contaminated clothing. Wash contaminated clothing before reuse.  
Inhalation: If vapors or mist cause distress, remove to fresh air.  
Indigestion: If swallowed, consult a physician immediately. Probable mucosal damage may contraindicate the use of gastric lavage. Drink egg whites or gelatin solution, or if these are not available, drink large quantities of water.

### Section 7 – Precautions for Safe Handling and Use

Accidental Release: Contain spills and leaks to prevent discharge to the environment. Ventilate immediately.  
Small Spills: Soak up with absorbent, shovel into waste containers. Flush area with water.  
Large Spills: Recover spilled material for disposal.  
Waste Disposal Method: Material collected with absorbent may be disposed in a permitted landfill in accordance with federal, State, and local regulations.

Precautions to Be Taken in Handling and Storing: Avoid overheating or freezing.

### Section 8 – Control Measures

Respiratory Protection:	NR	Ventilation:	NR
Protective Gloves:	NR	Local:	NR
Other Protective Measures:	N/A		
Work/Hygienic Practices:	Normal	Eye Protection:	NR

This Material Safety Data Sheet (MSDS) has been prepared in compliance with Federal OSHA Hazard Communication Standard, 29 CFR 1910.1200. Pharmaceutical Innovations believes this information to be reliable and up to date as of the date of this form, but makes no warranty that it is.