

# Material Safety Data Sheet

Number: **DMN0504**

Product Name: **D-GERM™**

An inorganic acid disinfecting bowl cleaner.

Revised: 12/21/06

Damon Industries, Inc.  
Box 2120  
Alliance, OH 44601

24 hour Emergency Only phone: 1-800-535-5053  
Information phone: 1-800-362-9850 or 330-821-5310  
fax: 330-821-6355

## Section 2 - Composition / Information on Hazardous Ingredients

<u>Ingredient</u>	<u>C.A.S. No.</u>	<u>Percent</u>	<u>Carcinogen</u>
Phosphoric Acid	7664-38-2	20%	No
Nonoxynol	9016-45-9	1%	No

## Section 3 - Hazards Identification

**Emergency Overview:** Concentrate can cause damage to the eyes and skin. Solutions are irritating to eyes and skin. Excessive inhalation of vapors may cause irritation. Product is water based and does not burn. Contact with reactive metals may form small amounts of hydrogen gas. Product has a low pH and should not be allowed into sanitary sewers. A light green liquid with a mint odor.

**Health Hazards:** Corrosive, Irritant

**Physical Hazards:** None

**Primary Routes of Entry:**  Through Skin  Inhalation  Ingestion

### Potential Health Effects:

**Eyes** - Concentrate causes severe irritation and moderate damage. Dilutions cause moderate to severe irritation.  
**Skin** - Concentrate may cause redness, pain and moderate to severe burns. Brief contact has little or no effect when rinsed off promptly. Dilutions cause irritation and redness. Repeated contact may lead to contact dermatitis.

**Swallowing** – concentrate may cause sore throat, abdominal pain, nausea and severe burns to mouth, throat and stomach. Dilutions may cause moderate to severer irritation and upset stomach.

**Breathing** - excessive inhalation of vapors or inhalation of sprayer mist may cause irritation of the nose, throat and respiratory passages and bronchitis with cough, phlegm, shortness of breath and emphysema, chronic runny nose and nosebleads.

## Section 4 - First Aid Measures

**Eye Contact:** Immediately flush eyes with water for at least 15 minutes, lifting upper and lower eyelids occasionally. Get medical attention immediately.

**Skin Contact:** Immediately flush skin with running water for at least 15 minutes while removing contaminated clothing and shoes. Get medical attention immediately. Wash contaminated clothing before reuse.

**Inhalation:** Move the affected person to fresh air. If irritation persists get medical attention. If not breathing, give artificial respiration. If breathing is difficult, give oxygen.

**Ingestion:** If the product is swallowed, do NOT induce vomiting. If the affected person is conscious, give ½ to 1 glass of water to drink. Immediately call a poison control center or doctor for treatment advice. NOTE TO PHYSICIAN: Probable mucosal damage may contraindicate the use of gastric lavage.

## Section 5 - Fire-Fighting Measures

**Flash Point:** None by standard methods.

**Lower Explosive Limit:** Not Applicable

**Upper Explosive Limit:** Not Applicable

**Extinguishing Media:** Any

**Special Fire Fighting Procedures:** None.

**Unusual Fire And Explosion Hazards:** Contact with reactive metals will form hydrogen gas.

## Section 6 - Accidental Release Measures

**Steps To Be Taken If Material Is Released Or Spilled:** Stop all leaks. Absorb spills with inert absorbent material. Prevent run-off from entering drains, sewers or other bodies of water. Transfer contaminated absorbent to containers for disposal.

## Section 7 - Handling and Storage

Empty containers retain product residue and may be hazardous. Observe all precautions given in this data sheet and on label.

Keep container closed. Store in a cool, dry, well ventilated area. Keep out of reach of children.

If this product contacts bleach or a cleaner containing bleach, it could produce a dangerous gas (chlorine). If your facility uses bleach, or a cleaner containing bleach, look at the MSDS on the bleach product now, to learn what to do if chlorine is accidentally produced. Your facility should decide upon the appropriate emergency action plan for accidental release of chlorine as a part of your emergency preparedness plan. Contact Damon Industries if more information is needed.

### Section 8 - Exposure Controls / Personal Protection

<u>Ingredient</u>	<u>C.A.S. No.</u>	<u>Percent</u>	<u>TWA(source)</u>	<u>STEL</u>	<u>Ceiling</u>
Phosphoric Acid	7664-38-2	20%	1mg/m <sup>3</sup> (1,3)	3mg/m <sup>3</sup> (1,3)	-
Nonoxynol	9016-45-9	1%	400 ppm	400 ppm	-

(1)=OSHA (2)=NIOSH (3)=ACGIH (4)=CANADA TWA=8 hr Time Weighted Average STEL=15 minute TWA Ceiling=Instantaneous

**Ventilation:** Good room ventilation.

**Respiratory Protection:** When respiratory protection is required, wear a NIOSH approved respirator with an acid gas cartridge.

**Protective Gloves:** Wear latex, nitrile or neoprene gloves.

**Eye Protection:** Wear safety glasses with side shields. Remove contact lenses.

**Other Protective Equipment:** Impervious (rubber, nitrile or neoprene) clothing and boots. An eye wash station should be located within 10 seconds travel time from where the product is mixed or used.

### Section 9 - Physical and Chemical Properties

**Boiling Point:** >212° F.

**Specific Gravity:** 1.09

**Percent Volatiles:** Not Available

**Solubility In Water:** Complete

**Appearance and Odor:** A light green liquid with a mint odor.

**Vapor Pressure:** Not Available

**Vapor Density:** Not Available

**Evaporation Rate:** Not Available

**pH:** concentrate < 1.0

### Section 10 - Stability and Reactivity

**Incompatibility:** Bleach, alkalis, oxidizers, organic matter, reactive metals.

**Hazardous Decomposition Products:** Carbon monoxide, carbon dioxide, hydrogen

### Section 11 - Toxicological Information

**Target Organs:** Lungs and upper respiratory tract.

Phosphoric acid: Oral LD<sub>50</sub> rat: 1,530 mg/kg

### Section 12 - Ecological Information

Do not dispose of in the environment.

### Section 13 - Disposal Considerations

**Waste Disposal Method:** Waste must be disposed of in accordance with federal, state and local environmental control regulations.

### Section 14 - Transport Information

**D.O.T. Hazard Class:** ORM-D.

### Section 15 - Regulatory Information

The components of this product are on the TSCA inventory of chemical substances.

### Section 16 - Other Information

**NFPA:** H:2 F:0 I:0 **HMIS® III:** H:2 F:0 P:0 **Personal Protection:** B

These ratings estimates are to be used only with a fully implemented training program in the workplace. NFPA® is a mark registered by the NFPA. HMIS® is a mark registered by the NPCA.

Replaces sheet dated 4/26/06.

The information accumulated herein is believed to be accurate but is not warranted to be. Recipients are advised to confirm in advance that the information is current, applicable, and suitable to their circumstances.