

# FL 285 GERM WIPE TECH BULLETIN

DETERGENT DISINFECTANT • CLEANER • DEODORIZER  
MILDEWSTAT (on hard inanimate surfaces)  
FUNGICIDE (against pathogenic fungi) • TUBERCULOCIDAL • VIRUCIDE

|  |          |
|--|----------|
| Active Ingredients   |          |
| n-Alkyl (60%Cl4, 30%Cl6, 5%Cl8, 3%Cl18) dimethyl benzyl ammonium chlorides | 0.105%   |
| n-Alkyl (68%Cl12, 32%Cl14) dimethyl ethylbenzyl ammonium chlorides         | 0.105%   |
| Inert Ingredients  | 99.790%  |
| TOTAL  | 100.000% |

EPA REG NO. 1839-83-10693 • EPA EST. NO. 10693-CA-1

**DESCRIPTION:** This product is designed for general household cleaning and disinfecting in Homes, Nursing Homes, Hospitals, Institutions, Offices, Schools, Motels and Hotels. When used as directed it is formulated to disinfect inanimate hard surfaces (such as walls, sink tops, tables, chairs, telephones, doorknobs, light switches, shower stalls, hamper, cabinets, and bed springs). In addition, it deodorizes those areas which generally are hard to keep fresh smelling such as garbage storage areas, empty garbage bins and cans, basements, restrooms, and other areas which are prone to odors caused by microorganisms. When used as directed, this product demonstrates effective disinfection against *Mycobacterium tuberculosis* (BCG) at 20°C, *Staphylococcus aureus*, *Salmonella choleraesuis* and *Pseudomonas aeruginosa*, thus meeting requirements for hospital use. Efficacy tests have demonstrated that it is an effective one-step cleaner/disinfectant in the presence of organic soil (5% blood serum). The product is fungicidal against pathogenic fungi (*T. mentagrophytes*) when used as directed on hard surfaces found in the bathroom, shower stall, and locker room, or other clean hard non-porous surfaces commonly contacted by bare feet.

**DIRECTIONS FOR USE: DISINFECTING, CLEANING, AND DEODORIZING** - To disinfect, clean, and deodorize hard nonporous surfaces such as bathroom tubs, fixtures, shower stalls, walls, sinks and bathtubs proceed as indicated below:

1. Hold container six to eight inches from surface to be treated.
2. Spray area until its covered with the solution. Allow the product to penetrate and remain wet for 10 minutes. No scrubbing necessary.
3. Wipe off with a clean cloth, mop, or sponge. The product will not leave grit or soap scum.

\* For heavily soiled areas, remove gross soil before treatment.

**MOLD AND MILDEWSTAT** - This product prevents and controls mold and mildew and the odors they cause on hard, non-porous, inanimate surfaces. To control mold and mildew on hard non-porous surfaces (such as floors, walls, table tops), spray the surfaces to be treated, making sure to wet completely. Let air dry. Repeat application at weekly intervals or when mildew growth reappears.

**KILLS HIV-1 ON PRE-CLEANED ENVIRONMENTAL SURFACES/OBJECTS PREVIOUSLY SOILED WITH BLOOD/BODY FLUIDS** in health care settings (Hospitals, Nursing Homes) or other settings in which there is an expected likelihood of soiling of inanimate surfaces/objects with blood or body fluids, and in which the surfaces/objects likely to be soiled with blood or body fluids can be associated with the potential for transmission of Human Immunodeficiency Virus Type 1 (HIV-1) (associated with AIDS). Exhibits effective virucidal activity against Canine Parvovirus.

**NOTE:** It is a violation of Federal law to use this product in a manner inconsistent with its labeling. This product has been designed specially for Household and Institutional cleaning and disinfecting in Homes, Nursing Homes, Hospitals, Offices, Schools, Motels, and Hotels.

## SPECIFICATIONS:

|                          |                     |
|--------------------------|---------------------|
| Color                    | Clear, light straw  |
| Fragrance                | Lavender            |
| Type of surfactants      | Cationic & Nonionic |
| Phosphates               | None                |
| pH                       | 11.7 ± .5           |
| Active Ingredients       | 6.5%                |
| Specific Gravity         | 1.012 ± .005        |
| Hard Water Compatibility | Yes                 |
| Shelf Life               | 1 Year              |
| Grease Cutting Ability   | Very Good           |
| Soil Penetration         | Very Good           |

MATERIAL SAFETY DATA SHEET

**SECTION I. IDENTIFICATION OF PRODUCT**

Name: GERM W/PE  
Identity: Quat Germicidal Disinfectant  
TOXICITY: 2  
MSDS Number: 285  
Date: 06/21/2006  
Supersedes: 09/23/2005  
FIRE: 0  
REACTIVITY: 0  
PROTECTION: B

**SECTION II. HAZARDOUS INGREDIENTS/IDENTITY INFORMATION**

|      |                               |            |         |     |     |
|------|-------------------------------|------------|---------|-----|-----|
| Name | Quaternary Ammonium Chlorides | CAS Number | Mixture | PEL | TLV |
|      |                               |            |         | NE  | NE  |
|      |                               |            |         |     | %   |

**SECTION III. PHYSICAL/CHEMICAL CHARACTERISTICS**

Boiling Point: 212° F  
Specific Gravity: 1.020 ± 0.005  
Vapor Density (Air = 1): 1  
Evaporation (H2O = 1): 1  
Appearance and Odor: Clear light straw liquid, Floral odor  
Melting Point: ND  
Water Solubility: Complete  
pH @ 77°F: 12.0 ± 0.5  
VOCg/ml: 0

**SECTION IV. FIRE AND EXPLOSION HAZARD DATA**

Flash Point (TCC): None  
% LEL: ND  
% UEL: ND  
Flammable Limits: ND  
Extinguishing Media: Water fog, foam, carbon dioxide or dry chemical  
Special Fire Fighting Procedures: Prevent breathing vapors. Wear SCBA and impervious protective clothing.  
Unusual Fire and Explosion: None known

**SECTION V. HEALTH HAZARD DATA**

Routes) of Entry: INHALATION? Yes  
(Acute) Health Hazards: EYES? Yes INGESTION? Yes  
Eyes: May cause irritation, redness, pain, blurred vision & tissue burns  
Ingestion: May cause gastric distress, colic, diarrhea  
Inhalation: Mist or vapors may severely irritate nose, throat and lungs.  
(Chronic) Health Hazards: None Known  
Signs and Symptoms of Exposure:  
Eyes: Burning, irritation, permanent damage if not treated promptly  
Ingestion: Nausea & vomiting, diarrhea  
Inhalation: Occasional mild irritation effects to nose and throat may occur.  
Medical Conditions Generally Aggravated by Exposure: Pre-existing contact site disorders.

**Emergency First Aid Procedures:**

**Eyes:** Have the product container or label with you when calling a poison control center or doctor or going for treatment. Hold eye open and rinse slowly and gently with water for 15-20 minutes. Remove contact lenses, if present, after 5 minutes, then continue rinsing eye. Call a poison control center or doctor for treatment advise.  
**Ingestion:** Call poison control center or doctor immediately for treatment advise. Have person sip a glass of water, if able to swallow. Do not induce vomiting unless told to do so by the poison control center or doctor. Do not give anything by mouth to an unconscious person.  
**Inhalation:** Move 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 advise.  
**Note to Physician:** Probable mucosal damage may contraindicate the use of gastric lavage.

**HAZARD TO HUMANS AND DOMESTIC ANIMALS**

**DANGER: KEEP OUT OF REACH OF CHILDREN.** Causes moderate eye irritation. Avoid contact with eyes or clothing. Wash thoroughly with soap and water after handling.

|                  |         |      |                           |    |                    |
|------------------|---------|------|---------------------------|----|--------------------|
| Carcinogenicity: | NTP? No | IARC | SECTION VI. TOXICITY DATA | No | OSHA REGULATED? No |
|------------------|---------|------|---------------------------|----|--------------------|

Stability: Stable

**SECTION VII. REACTIVITY DATA**

Incompatibility (Materials to Avoid): Cleaning agents may or may not react; Bleach

Hazardous Polymerization Will Not Occur

Hazardous Decomposition Byproducts: Oxides of carbon and nitrogen

**SECTION VIII. PRECAUTIONS FOR SAFE HANDLING AND USE**  
**Steps to be Taken in Case Material is Released or Spilled:**

**Small Spills:** Mop up. Slippery on floor.

**Large Spills:** Dike area and absorb into neutral material or pump up

**Disposal:** Meet Federal, State & Local Requirements

**Handling and Storage:** Store in cool, dry well ventilated area.

**Other Precautions:** Keep out of reach of children. FOR INDUSTRIAL AND INSTITUTIONAL USE ONLY.

**Pesticide Storage:** Store in a dry place no lower in temperature than 50°F or higher than 120°F.

**DO NOT CONTAMINATE WATER, FOOD, OR FEED BY STORAGE OR DISPOSAL.**

**CONSULT PRODUCT LABEL FOR ADDITIONAL INFORMATION ON STORAGE AND DISPOSAL.**

**SECTION IX. CONTROL MEASURES**

**Respiratory Protection:** Not normally indicated when used as directed

**Ventilation:** Normal indoor

**Local Exhaust:** Not normally indicated unless mist is generated

**Mechanical (General):** Not normally indicated unless mist is generated

**Protective Gloves:** Rubber, vinyl

**Eye Protection:** Chemical safety goggles

**Other Protective Clothing or Equipment:** Long pants, sleeves, apron

**Work/Hygienic Practices:** The recommendations described in this section are provided as general guidance for minimizing exposure when handling this product. Because use conditions will vary, depending upon customer applications, specific safe handling procedures should be developed by persons knowledgeable of the intended use conditions and equipment.

**SECTION X. DOT INFORMATION**  
**NOT REGULATED**

SARA 313: No **SECTION XI. MISCELLANEOUS INFORMATION**

**Notice:** All information, recommendations, and suggestions appearing herein concerning this product are based upon data obtained from the manufacturer and/or recognized technical sources; however, manufacturer makes no warranty, representation or guarantee as to the accuracy, sufficiency or completeness of the material set forth herein. It is the user's responsibility to determine the safety, toxicity and suitability of his own use, handling and disposal of the product.

NA - Not Available NE - Not Established ND - Not Determined