

**Product Name:** Germicide  
**Revision Date:** 11/11/2022

**SECTION 1 IDENTIFICATION**

**Supplier:** Divina Professional Products  
55 Container Drive  
Terryville, Ct 0676  
(860) 589-7502

**Distributor:**

**U.S. PERS Emergency Telephone:** 1-800-633-8253

**Product Name:** **Germicide**

**Synonyms:** 1-Decanaminium,N-decyl-N,N-dimethyl-,chloride; Bio-Dac; Bardac 22; BTC 1010

**Chemical Name:** Didecyl Dimethyl Ammonium Chloride

**Chemical Formula:** C<sub>22</sub>H<sub>48</sub>ClN

**CAS Number:** 7173-51-5

**EPA Registration Number:** 47371-37-62655

**Product Use:** Cleaner & Deodorant Concentrate

**SECTION 2 HAZARDOUS COMPONENTS**

**Emergency Overview**



**Warning**

**GHS Hazard Statements**

- H302: Harmful if swallowed
- H312: Harmful in contact with skin
- H319: Causes serious eye irritation

**GHS Precautionary Statements**

- P234: Keep only in original container.
- P262: Do not get in eyes, on skin, or on clothing.
- P280: Wear protective gloves/protective clothing/eye protection/face protection.
- P264: Wash thoroughly with soap and water after handling.
- P321: Specific treatment (see First Aid Measures on this label).
- P362+364: Take off contaminated clothing and wash it before reuse.

**SECTION 3 COMPOSITION/INFORMATION ON INGREDIENTS**

<u>Component</u>	<u>CAS Number</u>	<u>Percent</u>
Didecyl Dimethyl Ammonium Chloride	7173-51-5	<2%
n-Alkyl (C <sub>14</sub> 50%, C <sub>12</sub> 40%, C <sub>16</sub> 10%) dimethyl benzyl ammonium chloride	68989-01-5	<2%

SECTION 4 **FIRST-AID MEASURES**

**Eye Contact:** Hold eye open and rinse slowly and gently with water for 15-20 minutes. Remove contact lenses, if present, after first 5 minutes, then continue rinsing eye.

**Skin Contact:** Take off contaminated clothing. Rinse skin immediately with plenty of water for 15-20 minutes.

**Inhalation:** Remove victim to fresh air and keep at rest in a position comfortable for breathing.

**Ingestion:** Call a poison control center or doctor immediately for treatment advice. Have person sip 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.

**Indication of Immediate medical attention and special treatment needed:** Provide general supportive measures and treat symptomatically.

SECTION 5 **FIRE FIGHTING MEASURES**

**Suitable Extinguishing Media:** Use extinguishing measures that are appropriate to local circumstances and the surrounding environment. CAUTION: Use of water spray when fighting fire may be inefficient.

**Specific hazards arising from the chemical:** No information available.

**Explosion Data:** **Sensitivity to Mechanical Impact:** None.  
**Sensitivity to Static Discharge:** None.

**Protective Equipment and Precautions for Firefighters:** As in any fire, wear self-contained breathing apparatus pressure-demand, MSHA/NIOSH (approved or equivalent) and full protective gear.

SECTION 6 **ACCIDENTAL RELEASE MEASURES**

**Personal Precautions:** Avoid contact with the skin and the eyes. Use personal protective equipment. Ensure adequate ventilation.

**Environmental Precautions:** No special environmental precautions required. Beware of vapors accumulating to form explosive concentrations. Vapors can accumulate in low areas.

**Methods for Containment:** Prevent further leakage or spillage if safe to do so.

**Methods for Cleaning Up:** Mop up & flush to sanitary sewer with plenty of water. Floors may be slippery. Use care to avoid falls.

SECTION 7 **HANDLING AND STORAGE**

**Advice On Safe Handling:** Use good personal hygiene practices. Wash hands before eating, drinking, smoking, or using toilet facilities. Wash thoroughly after work using soap and water. Do not eat, drink or smoke when using this product.

**Technical Measures/Storage Conditions:** Keep tightly closed in a dry and cool place. Keep out of the reach of children.

**Incompatible Products:** None known based on information supplied.

SECTION 8 **EXPOSURE CONTROLS/PERSONAL PROTECTION**

**Exposure Guidelines:** No Occupational Exposure Limits (OELs) have been established for this product or its chemical components.

**Engineering Measures:** None under normal use conditions.

**Personal Protective Equipment**

**Eye/Face Protection:** Splash-proof chemical goggles or face shield.

**Skin and Body Protection:** Rubber gloves.

**Respiratory Protection:** If exposure limits are exceeded or irritation is experienced, NIOSH/MSHA approved respiratory protection should be worn. Positive-pressure supplied air respirators may be required for high airborne contaminant concentrations. Respiratory protection must be provided in accordance with current local regulations.

**Hygiene Measures:** Wash hands before breaks and immediately after handling the product. Do not eat, drink or smoke when using this product.

SECTION 9 **PHYSICAL AND CHEMICAL PROPERTIES**

<b>Appearance:</b>	Liquid.
<b>Odor:</b>	Benzaldehyde
<b>Specific Gravity H<sub>2</sub>O=1:</b>	0.91 - 0.94
<b>pH :</b>	6-9 for 10% Aqueous Solution
<b>Boiling Point:</b>	Not Available
<b>Freezing Point:</b>	Not Available
<b>Melting Point:</b>	Not Available
<b>Density:</b>	0.95 g/cm <sup>3</sup> (20 °C)
<b>Bulk Density:</b>	Not Available
<b>Vapor Pressure:</b>	Not Available
<b>Vapor Density:</b>	> 1
<b>Viscosity (cSt at 22°C):</b>	Not Available
<b>Solubility in Water:</b>	Soluble
<b>Partition coefficient (n-octanol/water):</b>	Not Available
<b>Evaporation Rate:</b>	Not Available
<b>Flash Point:</b>	Not Available
<b>Volatiles, % by vol.:</b>	50%
<b>Molecular Weight:</b>	362.08

SECTION 10 **STABILITY AND REACTIVITY**

**Chemical Stability:** Stable under recommended storage conditions.

**Possibility of Hazardous Reactions:** None under normal processing.

**Conditions to Avoid:** Extremes of temperature and direct sunlight.

**Incompatible Materials:** None known based on information supplied.

**Hazardous Decomposition Products:** None known based on information supplied.

SECTION 11 **TOXICOLOGICAL INFORMATION**

**Likely Routes of Exposure**

**Product Information:** Product does not present an acute toxicity hazard based on known or supplied information.

**Inhalation:** Not an expected route of exposure.

**Eye Contact:** Irritating to eyes.

**Skin Contact:** Prolonged contact may cause redness and irritation. Repeated or prolonged skin contact may cause allergic reactions with susceptible persons.

**Ingestion:** Ingestion may cause gastrointestinal irritation, nausea, vomiting and diarrhea.

**Information on Toxicological Effects**

**Symptoms:** No information available.

**Delayed and immediate effects as well as chronic effects from short and long-term exposure**

**Sensitization:** No information available.

**Mutagenic effects:** No information available.

**Carcinogenicity:** No information available.

**Reproductive toxicity:** No information available.

**STOT - single exposure:** No information available.

**STOT - repeated exposure:** No information available.

**Chronic Toxicity:** No known chronic effects of components present at greater than 1%.

**Aspiration hazard:** No information available.

SECTION 12 **ECOLOGICAL INFORMATION**

**Persistence and Degradability:** No information available.

**Bioaccumulation:** No information available.

**Environmental Fate:** This product is biodegradable

SECTION 13 **DISPOSAL CONSIDERATIONS**

**Waste Disposal Methods:** Disposal should be in accordance with applicable regional, national and local laws and regulations.

**Contaminated Packaging:** Do not reuse container.

SECTION 14 **TRANSPORTATION INFORMATION**

<b>DOT:</b>	<b>UN Number:</b>	Not Regulated
	<b>UN Proper Shipping Name:</b>	Not Regulated
	<b>Transport Hazard Class:</b>	Not Regulated
	<b>Packing Group:</b>	Not Regulated

**SECTION 15 REGULATORY INFORMATION**

**International Inventories**

<b>TSCA</b>	Complies
<b>DSL/NDSL</b>	Complies
<b>EINECS/ELINCS</b>	Complies
<b>ENCS</b>	-
<b>IECSC</b>	Complies
<b>KECL</b>	Complies
<b>PICCS</b>	Complies
<b>AICS</b>	Complies

**Legend:**

**TSCA** - All components of this product are listed or are exempt or excluded from listing on the United States Toxic Substances Control Act Section 8(b) Inventory.

**DSL/NDSL** - Canadian Domestic Substances List/Non-Domestic Substances List

**EINECS/ELINCS** - European Inventory of Existing Commercial Chemical Substances/EU List of Notified Chemical Substances

**ENCS** - Japan Existing and New Chemical Substances

**IECSC** - China Inventory of Existing Chemical Substances

**KECL** - Korean Existing and Evaluated Chemical Substances

**PICCS** - Philippines Inventory of Chemicals and Chemical Substances

**AICS** - Australian Inventory of Chemical Substances

**U.S. Federal Regulations**

**SARA 313:** Section 313 of Title III of the Superfund Amendments and Reauthorization Act of 1986 (SARA). This product does not contain any chemicals, which are subject to the reporting requirements of the Act and Title 40 of the Code of Federal Regulations, Part 372.

**SARA 311/312 Hazard Categories**

<b>Acute Health Hazard</b>	no
<b>Chronic Health Hazard</b>	no
<b>Fire Hazard</b>	no
<b>Sudden Release of Pressure Hazard</b>	no
<b>Reactive Hazard</b>	no

**Clean Water Act:** This product contains the following substances which are regulated pollutants pursuant to the Clean Water Act (40 CFR 122.21 and 40 CFR 122.42):

**CERCLA:** This material, as supplied, contains one or more substances regulated as a hazardous substance under the Comprehensive Environmental Response Compensation and Liability Act (CERCLA) (40 CFR 302):

**U.S. State Regulations**

**California Proposition 65:** This product does not contain any Proposition 65 chemicals.

**U.S. State Right-to-Know Regulations:** This product contains substances regulated by state right-to-know regulations.

**SECTION 16 OTHER INFORMATION**

No representations or warranties, either expressed or implied, of merchant ability, fitness for a particular purpose or any other nature are made hereunder with respect to information or the product to which information refers.

Date: 11/11/2022  
Phoenix Products Company