SAFETY DATA SHEET

1. Identification

Product identifier: GERMICIDAL CLEANER 128

Other means of identification

- Product number: U00GERM12832 / U00GERM128004 / U00GERM128005 / U00GERM128015 / U00GERM128030 / U00GERM128055 / U00GERM128PK

Recommended use: Disinfectant Cleaner

Recommended restrictions: None known.

Manufacturer/Importer/Supplier/Distributor information

Manufacturer:

- Company name: CORCRAFT - DEPT. OF CORRECTIONS AND COMMUNITY SUPERVISION
- Address: Great Meadow/Washington Industries, 11739 State Route 22, Comstock, NY 12821-0051, United States
- Telephone: 888-697-6233 (7AM - 3PM Weekdays)
- Emergency phone number: 800-424-9311 (CHEMTREC)

2. Hazard(s) identification

Physical hazards: Not classified.

Health hazards:

- Skin corrosion/irritation: Category 2
- Serious eye damage/eye irritation: Category 2A

Environmental hazards:

- Hazardous to the aquatic environment, acute hazard: Not applicable
- Hazardous to the aquatic environment, long-term hazard: Not applicable

OSHA defined hazards: Not classified.

GHS label elements

- Hazard statement: Causes skin irritation. Causes serious eye irritation.

Label elements

- Signal word: Danger
- Prevention: Wash thoroughly after handling. Avoid release to the environment. If contact is likely, safety glasses with side shields are recommended. For prolonged or repeated skin contact use suitable protective gloves.
- Response: IF IN EYES: Flush eyes with water. No special treatment normally needed. Get medical attention if irritation develops and persists. IF ON SKIN: Wash off with soap and water. No special treatment normally needed. Get medical attention if irritation develops and persists. IF SWALLOWED: Rinse mouth thoroughly with water. Drink plenty water to dilute contents of stomach. If large amount is ingested, contact a poison control center immediately. If a person feels unwell, consult a physician. IF INHALED: Move to fresh air. If a person feels unwell, contact a physician or medical personnel.
- Storage: Keep out of the reach of children.
- Disposal: Dispose of contents/container in accordance with local/regional/national/international regulations.
- Hazard(s) not otherwise classified (HNOC): None known.
3. Composition/information on ingredients

Mixtures

<table>
<thead>
<tr>
<th>Chemical name</th>
<th>Common name and synonyms</th>
<th>CAS number</th>
<th>%</th>
</tr>
</thead>
<tbody>
<tr>
<td>Alcohols, C9 - C11, Ethoxylated</td>
<td></td>
<td>68439-46-3</td>
<td>1 - &lt;5</td>
</tr>
<tr>
<td>CITRIC ACID, USP FINE GRANULATED</td>
<td></td>
<td>77-92-9</td>
<td>1 - &lt;5</td>
</tr>
<tr>
<td>Didecyldimethylammonium chloride</td>
<td></td>
<td>7173-51-5</td>
<td>1 - &lt;5</td>
</tr>
<tr>
<td>Dioctyl Dimethyl Ammonium Chloride</td>
<td></td>
<td>5538-94-3</td>
<td>1 - &lt;5</td>
</tr>
<tr>
<td>ETHYL HYDROXIDE</td>
<td></td>
<td>64-17-5</td>
<td>1 - &lt;5</td>
</tr>
<tr>
<td>N-Alkyl(C14 50%, C12 40%, C16 10%)-N,N-dimethyl-N-benzylammonium Chloride</td>
<td></td>
<td>68424-85-1</td>
<td>1 - &lt;5</td>
</tr>
<tr>
<td>Octyl Decyl Dimethyl Ammonium Chloride</td>
<td></td>
<td>32426-11-2</td>
<td>1 - &lt;5</td>
</tr>
</tbody>
</table>

Other components below reportable levels

>80

4. First-aid measures

Eye contact
Flush eyes with water. No special treatment normally needed. Get medical attention if irritation develops and persists.

Skin contact
Wash off with soap and water. No special treatment normally needed. Get medical attention if irritation develops and persists.

Ingestion
Rinse mouth thoroughly with water. Drink plenty water to dilute contents of stomach. If large amount is ingested, contact a poison control center immediately. If a person feels unwell, consult a physician.

Inhalation
Move to fresh air. If a person feels unwell, contact a physician or medical personnel.

Notes to physician
Provide general supportive measures and treat symptomatically. Keep victim under observation. Symptoms may be delayed.

Most important symptoms/effects, acute and delayed
Symptoms may include stinging, tearing, redness, swelling, and blurred vision. Direct contact with eyes may cause temporary irritation.

Indication of immediate medical attention and special treatment needed
Provide general supportive measures and treat symptomatically. Keep victim under observation. Symptoms may be delayed.

General information
If you feel unwell, seek medical advice (show the label where possible).

5. Fire-fighting measures

Suitable extinguishing media
Water fog. Foam. Dry chemical powder. Carbon dioxide (CO2).

Unsuitable extinguishing media
Not available.

Specific hazards arising from the chemical
During fire, gases hazardous to health may be formed.

Special protective equipment and precautions for firefighters
Self-contained breathing apparatus and full protective clothing must be worn in case of fire.

6. Accidental release measures

Personal precautions, protective equipment and emergency procedures
Keep unnecessary personnel away. Wear appropriate protective equipment and clothing during clean-up. Ensure adequate ventilation. Local authorities should be advised if significant spillages cannot be contained. For personal protection, see section 8 of the SDS.

Methods and materials for containment and cleaning up
Should not be released into the environment. Stop the flow of material, if this is without risk. Collect spillage. Dike far ahead of spill for later disposal. Following product recovery, flush area with water. Never return spills to original containers for re-use. For waste disposal, see section 13 of the SDS.
7. Handling and storage

Precautions for safe handling
Do not get this material in contact with eyes. Avoid prolonged exposure. Observe good industrial hygiene practices. Avoid release to the environment. Do not mix with other chemicals.

Conditions for safe storage, including any incompatibilities
Store in original tightly closed container. Keep out of the reach of children.

8. Exposure controls/personal protection

Occupational exposure limits

<table>
<thead>
<tr>
<th>US. ACGIH Threshold Limit Values</th>
<th>Components</th>
<th>Type</th>
<th>Value</th>
</tr>
</thead>
<tbody>
<tr>
<td>ETHYL HYDROXIDE (CAS 64-17-5)</td>
<td>STEL</td>
<td></td>
<td>1000 ppm</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>US. NIOSH: Pocket Guide to Chemical Hazards</th>
<th>Components</th>
<th>Type</th>
<th>Value</th>
</tr>
</thead>
<tbody>
<tr>
<td>ETHYL HYDROXIDE (CAS 64-17-5)</td>
<td>TWA</td>
<td></td>
<td>1900 mg/m3</td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
<td>1000 ppm</td>
</tr>
</tbody>
</table>

Control parameters

<table>
<thead>
<tr>
<th>US. OSHA Table Z-1 Limits for Air Contaminants (29 CFR 1910.1000)</th>
<th>Components</th>
<th>Type</th>
<th>Value</th>
</tr>
</thead>
<tbody>
<tr>
<td>ETHYL HYDROXIDE (CAS 64-17-5)</td>
<td>PEL</td>
<td></td>
<td>1900 mg/m3</td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
<td>1000 ppm</td>
</tr>
</tbody>
</table>

Appropriate engineering controls
Good general ventilation should be sufficient to control airborne levels.

Individual protection measures, such as personal protective equipment

Eye/face protection
If contact is likely, safety glasses with side shields are recommended. Do not get in eyes.

Skin protection
For prolonged or repeated skin contact use suitable protective gloves. Not normally needed.

Hand protection

Respiratory protection
Not normally needed.

General hygiene considerations
Always observe good personal hygiene measures, such as washing after handling the material and before eating, drinking, and/or smoking. Routinely wash work clothing and protective equipment to remove contaminants.

9. Physical and chemical properties

Appearance

<table>
<thead>
<tr>
<th>Color</th>
<th>clear green</th>
</tr>
</thead>
<tbody>
<tr>
<td>Odor</td>
<td>pleasant Sassafrass</td>
</tr>
<tr>
<td>Odor threshold</td>
<td>Not available.</td>
</tr>
<tr>
<td>pH</td>
<td>0.8 - 1.9</td>
</tr>
<tr>
<td>Melting point/freezing point</td>
<td>Not available.</td>
</tr>
<tr>
<td>Boiling point</td>
<td>212 °F (100 °C)</td>
</tr>
<tr>
<td>Flash point</td>
<td>None to Boiling: Pensky-Martens Closed Cup</td>
</tr>
<tr>
<td>Evaporation rate</td>
<td>Not available.</td>
</tr>
<tr>
<td>Flammability (solid, gas)</td>
<td>Not available.</td>
</tr>
</tbody>
</table>

Upper/lower flammability or explosive limits

| Flammability limit - lower (%) | Not available. |
| Flammability limit - upper (%) | Not available. |
GERMICIDAL CLEANER 128  
Product number: U00GERM12832 / U00GERM128I

Vapor pressure  
as water
Vapor density  
as water
Solubility(ies)  
Solubility (water)  
100 %
Partition coefficient  
(n-octanol/water)  
Not available.
Auto-ignition temperature  
Not available.
Decomposition temperature  
Not available.
Viscosity  
Not available.
Specific gravity  
1.01
VOC (Weight %)  
1.1 %

10. Stability and reactivity
Reactivity  
The product is stable and non-reactive under normal conditions of use, storage and transport.
Chemical stability  
Material is stable under normal conditions.
Possibility of hazardous reactions  
Hazardous polymerization does not occur.
Conditions to avoid  
This product may react with reducing agents. Do not mix with other chemicals.
Incompatible materials  
This product may react with reducing agents. Incompatible with bases.
Hazardous decomposition products  
Carbon oxides. Nitrogen compounds.

11. Toxicological information
Information on likely routes of exposure
Eye contact  
Direct contact with eyes may cause temporary irritation.
Skin contact  
Causes mild skin irritation.
Ingestion  
Expected to be a low ingestion hazard. May be harmful if swallowed. However, ingestion is not likely to be a primary route of occupational exposure.
Inhalation  
May cause irritation to the respiratory system.
Symptoms related to the physical, chemical and toxicological characteristics  
Symptoms may include stinging, tearing, redness, swelling, and blurred vision.
Acute toxicity  
May be harmful if swallowed.
Carcinogenicity  
This product is not considered to be a carcinogen by IARC, ACGIH, NTP, or OSHA.
US. OSHA Specifically Regulated Substances (29 CFR 1910.1001-1050)  
Not listed.
Reproductive toxicity  
Not available.
Toxicological information  
Occupational exposure to the substance or mixture may cause adverse effects.

12. Ecological information
Ecotoxicity  
Contains a substance which causes risk of hazardous effects to the environment.
Persistence and degradability  
No data is available on the degradability of this product.
Bioaccumulative potential  
No data available.
Other adverse effects  
No other adverse environmental effects (e.g. ozone depletion, photochemical ozone creation potential, endocrine disruption, global warming potential) are expected from this component.

13. Disposal considerations
Disposal instructions  
Not available.
Local disposal regulations  
Dispose in accordance with all applicable regulations.
Hazardous waste code

The waste code should be assigned in discussion between the user, the producer and the waste disposal company.

Waste from residues / unused products

Dispose of in accordance with local regulations. Empty containers or liners may retain some product residues. This material and its container must be disposed of in a safe manner (see: Disposal instructions).

Contaminated packaging

Triple rinse containers. Can be offered for recycling, re-conditioning or puncture. Do not re-use empty containers.

14. Transport information

DOT

Not regulated as dangerous goods.

IATA

Not regulated as dangerous goods.

IMDG

Not regulated as dangerous goods.

15. Regulatory information

US federal regulations

This product is a "Hazardous Chemical" as defined by the OSHA Hazard Communication Standard, 29 CFR 1910.1200.

TSCA Section 12(b) Export Notification (40 CFR 707, Subpt. D)

Not regulated.

CERCLA Hazardous Substance List (40 CFR 302.4)

Not listed.

US. OSHA Specifically Regulated Substances (29 CFR 1910.1001-1050)

Not listed.

CERCLA (Superfund) reportable quantity

Not listed.

Superfund Amendments and Reauthorization Act of 1986 (SARA)

Hazard categories

Immediate Hazard - Yes
Delayed Hazard - No
Fire Hazard - No
Pressure Hazard - No
Reactivity Hazard - No

SARA 302 Extremely hazardous substance

No

SARA 311/312 Hazardous chemical

No

SARA 313 (TRI reporting)

Not regulated.

Other federal regulations

Clean Air Act (CAA) Section 112 Hazardous Air Pollutants (HAPs) List

Not regulated.

Clean Air Act (CAA) Section 112(r) Accidental Release Prevention (40 CFR 68.130)

Not regulated.

Safe Drinking Water Act (SDWA)

Not regulated.

US state regulations

US. California Proposition 65

California Safe Drinking Water and Toxic Enforcement Act of 1986 (Proposition 65): This material is not known to contain any chemicals currently listed as carcinogens or reproductive toxins.
16. Other information, including date of preparation or last revision

<table>
<thead>
<tr>
<th>NFPA ratings</th>
<th>Health: 2</th>
<th>Flammability: 0</th>
<th>Reactivity: 0</th>
</tr>
</thead>
<tbody>
<tr>
<td>HMIS® ratings</td>
<td>Health: 2</td>
<td>Flammability: 0</td>
<td>Physical hazard: 0</td>
</tr>
</tbody>
</table>

**NFPA RATING SYSTEM**

- **Flammability**
  - 0
- **Health**
  - 2
- **Reactivity**
  - 0
- **Other**

**HMIS RATING SYSTEM**

- **HEALTH HAZARD (BLUE)**
  - 2
- **FLAMMABILITY HAZARD (RED)**
  - 0
- **PHYSICAL HAZARD (YELLOW)**
  - 0

**PROTECTIVE EQUIPMENT**

- **EYES**
  - See Sect 8
- **RESPIRATORY**
  - See Sect 8
- **HANDS**
  - See Sect 8
- **BODY**
  - See Sect 8

**Hazard Scale:**

- **0** = Minimal
- **1** = Slight
- **2** = Moderate
- **3** = Serious
- **4** = Severe
- *** = Chronic hazard**

**Revision Information**

- **Product and Company Identification:** Alternate Trade Names: Product Numbers
- **Hazard Information:** US Hazardous
- **Composition / Information on Ingredients:** Disclosure Overrides
- **Physical & Chemical Properties:** Multiple Properties
- **Regulatory Information:** United States
- **GHS:** Classification

**Issue date:** 07-08-2014

**Version #**

- 01

**Further Information**

This chemical is a pesticide product registered by the United States Environmental Protection Agency and is subject to certain labeling requirements under federal pesticide law. These requirements differ from the classification criteria and hazard information required for safety data sheets (SDS), and for workplace labels of non-pesticide chemicals. Following is the hazard information as required on the pesticide label:

- **CORROSIVE**
  - Causes irreversible eye damage and skin burns.
  - Harmful if swallowed.

**Disclaimer**

The information provided in this Safety Data Sheet is correct to the best of our knowledge, information and belief at the date of its publication. The information relates only to the specific material designated and may not be valid for such material used in combination with any other materials or in any process, unless specified in the text. The information given is designed only as a guidance for safe handling, use, processing, storage, transportation, disposal and release.