1. PRODUCT AND COMPANY IDENTIFICATION

Product information
Trade name : DRANO® ADVANCED SEPTIC TREATMENT
Use of the Substance/Mixture : Speciality Cleaner
Company : S.C. Johnson & Son, Inc.
1525 Howe Street
Racine WI 53403-2236
Emergency telephone number : 24 Hour Medical Emergency Phone: (866)231-5406
24 Hour International Emergency Phone: (703)527-3887
24 Hour Transport Emergency Phone: (800)424-9300

2. HAZARDS IDENTIFICATION

Emergency Overview
Appearance / Odor : brown blue green / solid / characteristic
Immediate Concerns : Caution
CAUSES EYE IRRITATION.
Avoid contact with skin, eyes and clothing.
Harmful if swallowed.

Potential Health Effects
Exposure routes : Eye, Skin, Inhalation, Ingestion.
Eyes : Causes:
Moderate eye irritation
Skin : Prolonged or repeated contact may dry skin and cause irritation.
Inhalation : No adverse effects expected when used as directed.
Ingestion : Harmful if swallowed.
Aggravated Medical Condition : None known.

3. COMPOSITION/INFORMATION ON INGREDIENTS

Hazardous chemicals present at or above reportable levels as defined by OSHA 29 CFR 1910.1200 or the Canadian Controlled Products Regulations are listed in this table:
Material Safety Data Sheet
described to ANSI Z400.1-2004 and 29 CFR 1910.1200

Drano® Advanced Septic Treatment

Version 2.2
Print Date 05/24/2012
Revision Date 02/20/2012
MSDS Number 350000018163
SITE_FORM Number 30000000000000014118.002

Chemical Name | CAS-No. | Weight percent
--- | --- | ---
Sodium chloride | 7647-14-5 | 30.00 - 60.00
Citric acid | 77-92-9 | 10.00 - 30.00
Corn starch | 9005-25-8 | 1.00 - 5.00
Polymer | Mixture | 1.00 - 5.00
Bacterial cultures | Mixture | 0.10 - 1.00

For additional information on product ingredients, see www.whatsinsidescjohnson.com.

4. FIRST AID MEASURES

Eye contact:
Remove contact lenses. Flush immediately with plenty of water for at least 15 to 20 minutes. Get medical attention if irritation develops and persists.

Skin contact:
Rinse with plenty of water.

Inhalation:
Remove to fresh air.

Ingestion:
If swallowed, DO NOT induce vomiting unless directed to do so by medical personnel. Never give anything by mouth to an unconscious person. Get medical attention immediately.

5. FIREFIGHTING MEASURES

Suitable extinguishing media:
Use water spray, alcohol-resistant foam, dry chemical or carbon dioxide.

Further information:
Fight fire with normal precautions from a reasonable distance. Standard procedure for chemical fires. Wear full protective clothing and positive pressure self-contained breathing apparatus.

Flash point:
Note: not applicable

Lower explosion limit:
Note: no data available

Upper explosion limit:
Note: no data available
6. ACCIDENTAL RELEASE MEASURES

- **Personal precautions**: No special precautions required.
- **Environmental precautions**: Outside of normal use, avoid release to the environment.
- **Methods for cleaning up**: Sweep up and shovel into suitable containers for disposal. Clean residue from spill site.

7. HANDLING AND STORAGE

**Handling**

- **Advice on safe handling**: Avoid contact with skin, eyes and clothing. For personal protection see section 8.
  
  Use only as directed.
  
  KEEP OUT OF REACH OF CHILDREN AND PETS.
  
  Smoking, eating and drinking should be prohibited in the application area.

- **Advice on protection against fire and explosion**: Normal measures for preventive fire protection.

**Storage**

- **Requirements for storage areas and containers**: Keep in a dry, cool and well-ventilated place.

8. EXPOSURE CONTROLS/PERSONAL PROTECTION

**Occupational Exposure Limits**

<table>
<thead>
<tr>
<th>Components</th>
<th>CAS-No.</th>
<th>mg/m3</th>
<th>ppm</th>
<th>Non-standard units</th>
<th>Basis</th>
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</thead>
<tbody>
<tr>
<td>Corn starch</td>
<td>9005-25-8</td>
<td>5 mg/m3</td>
<td>-</td>
<td>-</td>
<td>OSHA TWA</td>
</tr>
<tr>
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<td>15 mg/m3</td>
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<td>-</td>
<td>OSHA TWA</td>
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<tr>
<td>Corn starch</td>
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<td>10 mg/m3</td>
<td>-</td>
<td>-</td>
<td>ACGIH TWA</td>
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</table>

**Personal protective equipment**

- **Respiratory protection**: No personal respiratory protective equipment normally required.
Hand protection: No special requirements.

Eye protection: Safety glasses with side-shields

Skin and body protection: No special requirements.

Hygiene measures: Handle in accordance with good industrial hygiene and safety practice. Wash thoroughly after handling. Smoking, eating and drinking should be prohibited in the application area.

9. PHYSICAL AND CHEMICAL PROPERTIES

Form: solid
Color: brown blue green
Odor: characteristic
pH: no data available
Boiling point: not applicable
Freezing point: no data available
Flash point: not applicable
Evaporation rate: not applicable
Lower explosion limit: no data available
Upper explosion limit: no data available
Vapour pressure: no data available
Density: no data available
Water solubility: no data available
Viscosity, dynamic: not applicable
Volatile Organic Compounds
Total VOC (wt. %)*: 0 % - additional exemptions may apply
*as defined by US Federal and State Consumer Product Regulations
10. STABILITY AND REACTIVITY

Conditions to avoid: Direct sources of heat.

Materials to avoid: Strong acids and oxidizing agents

Hazardous decomposition products: Thermal decomposition can lead to release of irritating gases and vapours.

Hazardous reactions: Stable under recommended storage conditions.

11. TOXICOLOGICAL INFORMATION

Acute oral toxicity: LD50 Oral
Calculated
> 3,000 mg/kg

Acute inhalation toxicity: no data available

Acute dermal toxicity: no data available

**Chronic effects**

Carcinogenicity: None Anticipated

Mutagenicity: None Anticipated

Reproductive effects: None Anticipated

Teratogenicity: None Anticipated

Sensitisation: Not known to be a sensitizer.

12. ECOLOGICAL INFORMATION

Ecotoxicity effects: no data available
13. DISPOSAL CONSIDERATIONS

Observe all applicable Federal, Provincial and State regulations and Local/Municipal ordinances regarding disposal. Consumer may discard empty container in trash, or recycle where facilities exist.

14. TRANSPORT INFORMATION

Please refer to the Bill of Lading/receiving documents for up-to-date shipping information.

Land transport
- U.S. DOT and Canadian TDG Surface Transportation:
  - Proper shipping name: not regulated
  - Class: None.
  - UN/ID No.: None.
  - Packaging group: None.

Sea transport
- IMDG:
  - Proper shipping name: not regulated
  - Class: None.
  - UN/ID No.: None.
  - Packaging group: None.

Air transport
- ICAO/IATA:
  - Proper shipping name: not regulated
  - Class: None.
  - UN/ID No.: None.
  - Packaging group: None.

15. REGULATORY INFORMATION

- Notification status: All ingredients of this product are listed or are excluded from listing on the U.S. Toxic Substances Control Act (TSCA) Chemical Substance Inventory.
- Notification status: All ingredients of this product comply with the New Substances Notification requirements under the Canadian Environmental Protection Act (CEPA).
- California Prop. 65: This product is not subject to the reporting requirements under California's Proposition 65.
- Canada Regulations: This product has been classified in accordance with hazard
criteria of the Controlled Products Regulations and the MSDS contains all the information required by the Controlled Products Regulations.

16. OTHER INFORMATION

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<th>HMIS Ratings</th>
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<tr>
<td>Reactivity</td>
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<tr>
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Further information
This document has been prepared using data from sources considered to be technically reliable. It does not constitute a warranty, expressed or implied, as to the accuracy of the information contained herein. Actual conditions of use are beyond the seller's control. User is responsible to evaluate all available information when using product for any particular use and to comply with all Federal, State, Provincial and Local laws and regulations.

Prepared by: SC Johnson Global Safety Assessment & Regulatory Affairs (GSARA)