1. PRODUCT AND COMPANY IDENTIFICATION

Product information
Trade name : DRANO® CRYSTALS
Use of the Substance/Preparation : Drain Cleaner

Company : S.C. Johnson & Son, Inc.
1525 Howe Street
Racine WI 53403-2236

Emergency telephone :
24 Hour Transport & Medical Emergency Phone (866) 231-5406
24 Hour International Emergency Phone (952) 852-4647

2. HAZARDS IDENTIFICATION

Emergency Overview
Appearance / Odor : white / Crystals / characteristic
Immediate Concerns : DANGER
Corrosive
CAUSES EYE AND SKIN BURNS
HARMFUL OR FATAL IF SWALLOWED. Avoid contact with skin, eyes and clothing.

Potential Health Effects
Routes of exposure : Eye, Skin, Inhalation, Ingestion.
Eyes : Corrosive - causes irreversible eye damage. May cause blindness.
Skin : Corrosive to skin Causes skin burns.
Inhalation : None known.
Ingestion : Harmful or fatal if swallowed. Causes severe digestive tract burns.

Aggravated Medical Condition : None known.

3. COMPOSITION/INFORMATION ON INGREDIENTS

<table>
<thead>
<tr>
<th>Chemical Name</th>
<th>CAS-No.</th>
<th>Weight %</th>
</tr>
</thead>
<tbody>
<tr>
<td>Sodium hydroxide</td>
<td>1310-73-2</td>
<td>30.00 - 60.00</td>
</tr>
<tr>
<td>Sodium nitrate</td>
<td>7631-99-4</td>
<td>15.00 - 40.00</td>
</tr>
</tbody>
</table>
## 4. FIRST AID MEASURES

<table>
<thead>
<tr>
<th>Condition</th>
<th>Action</th>
</tr>
</thead>
<tbody>
<tr>
<td>Eye contact</td>
<td>Rinse immediately with plenty of water, also under the eyelids.</td>
</tr>
<tr>
<td></td>
<td>Remove contact lenses.</td>
</tr>
<tr>
<td></td>
<td>Hold eyelids apart and flush eyes with plenty of water for at least 15 minutes. Get medical attention.</td>
</tr>
<tr>
<td>Skin contact</td>
<td>Remove contaminated clothing and shoes.</td>
</tr>
<tr>
<td></td>
<td>Flush immediately with plenty of water for at least 15 to 20 minutes.</td>
</tr>
<tr>
<td></td>
<td>Get medical attention immediately.</td>
</tr>
<tr>
<td>Inhalation</td>
<td>No special requirements</td>
</tr>
<tr>
<td>Ingestion</td>
<td>Rinse mouth.</td>
</tr>
<tr>
<td></td>
<td>Drink 1 or 2 glasses of water.</td>
</tr>
<tr>
<td></td>
<td>Do NOT induce vomiting.</td>
</tr>
<tr>
<td></td>
<td>Get medical attention immediately.</td>
</tr>
</tbody>
</table>

## 5. FIRE-FIGHTING MEASURES

<table>
<thead>
<tr>
<th>Condition</th>
<th>Action</th>
</tr>
</thead>
<tbody>
<tr>
<td>Suitable extinguishing media</td>
<td>Carbon dioxide (CO2)</td>
</tr>
<tr>
<td></td>
<td>Dry chemical</td>
</tr>
<tr>
<td>Extinguishing media which</td>
<td>Water</td>
</tr>
<tr>
<td>shall not be used for safety</td>
<td></td>
</tr>
<tr>
<td>reasons</td>
<td></td>
</tr>
<tr>
<td>Further information</td>
<td>Wear full protective clothing and positive pressure self-contained breathing apparatus.</td>
</tr>
<tr>
<td></td>
<td>Fight fire from maximum distance or protected area.</td>
</tr>
<tr>
<td>Flash point</td>
<td>Note: not applicable</td>
</tr>
<tr>
<td>Lower explosion limit</td>
<td>Note: no data available</td>
</tr>
<tr>
<td>Upper explosion limit</td>
<td>Note: no data available</td>
</tr>
</tbody>
</table>

## 6. ACCIDENTAL RELEASE MEASURES

<table>
<thead>
<tr>
<th>Condition</th>
<th>Action</th>
</tr>
</thead>
<tbody>
<tr>
<td>Personal precautions</td>
<td>Use personal protective equipment.</td>
</tr>
</tbody>
</table>
Methods for cleaning up : Sweep up and shovel into suitable containers for disposal.

7. HANDLING AND STORAGE

Handling
Advice on safe handling : Product residue may remain in/on empty containers. All precautions taken in handling the product must be used in handling the empty container and residue. Avoid contact with skin, eyes and clothing. KEEP OUT OF REACH OF CHILDREN AND PETS. Use only as directed.

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>Basis</th>
</tr>
</thead>
<tbody>
<tr>
<td>Sodium hydroxide</td>
<td>1310-73-2</td>
<td>2 mg/m3</td>
<td></td>
<td>ACGIH Ceiling</td>
</tr>
<tr>
<td></td>
<td></td>
<td>2 mg/m3</td>
<td></td>
<td>OSHA TWA</td>
</tr>
</tbody>
</table>

Personal protective equipment

Respiratory protection : No personal respiratory protective equipment normally required.

Hand protection : not required under normal use
In case of full contact: Wear suitable gloves.

Eye protection : No special requirements.

Hygiene measures : Use only with adequate ventilation. Wash thoroughly after handling. Wear suitable protective clothing.
9. PHYSICAL AND CHEMICAL PROPERTIES

Form : Crystals
Color : white
Odor : characteristic
pH : > 12.5
Melting point : no data available
Boiling point : no data available
Flash point : not applicable
Evaporation rate : no data available
Autoignition temperature : not applicable
Lower explosion limit : no data available
Upper explosion limit : no data available
Vapour pressure : no data available
Water solubility : completely soluble

10. STABILITY AND REACTIVITY

Conditions to avoid : None known.
Materials to avoid : Strong acids
Rust remover.
Ammonia
Hazardous decomposition products : When exposed to fire, produces normal products of combustion.
Hazardous reactions : Stable

11. TOXICOLOGICAL INFORMATION

Acute oral toxicity : Harmful if swallowed.
Causes severe digestive tract burns.
Acute inhalation toxicity : no data available
Acute dermal toxicity : no data available

**Chronic effects**
Carcinogenicity : no data available

Mutagenicity : no data available
Reproductive effects : no data available
Teratogenicity : no data available
Sensitisation : Not known to be a sensitizer.

12. **ECOLOGICAL INFORMATION**

Ecotoxicity effects
Not Available

13. **DISPOSAL CONSIDERATIONS**

Product : Observe all applicable Federal, Provincial and State regulations and Local/Municipal ordinances regarding disposal.

14. **TRANSPORT INFORMATION**

**Land transport**
- **U.S. DOT and Canadian TDG Surface Transportation:**
  - UN-Number 1759
  - Proper shipping name Corrosive Solid, N.O.S.
  - Class: 8
  - Packaging group: III

  Note: SC Johnson ships this product as Consumer Commodity ORM-D (non-bulk packages)

**Sea transport**
- **IMDG:**
**Material Safety Data Sheet**

according to ANSI Z400.1-2004 and 29 CFR 1910.1200

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**DRANO® CRYSTALS**

**Version 1.**

Print Date 08/12/2008

Revision Date 07/21/2008

MSDS Number 350000004279

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Class: 8

Packaging group: III

Proper shipping name: Corrosive Solid, N.O.S.

UN-Number: 1759

ADR/RID-Labels: None.

Note: SC Johnson ships this product as "Limited Quantity" when the container quantity value is 5 Kilograms or less.

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**Air transport**

- **ICAO/IATA:**

  Class: 8

  Packaging group: III

  Proper shipping name: Corrosive Solid, N.O.S.

  UN/ID No.: UN 1759

  ADR/RID-Labels: None.

  Note: SC Johnson typically does not ship products via air, therefore it has not been determined if the product container meets current IATA/ICAO package criteria. Refer to IATA/ICAO Dangerous Goods Regulations for detailed instructions when shipping this item by air.

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**15. REGULATORY INFORMATION**

**Global Chemical Inventories**

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.

: 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.

WHMIS Classification : E.

: 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

HMIS Ratings

<p>| | |</p>
<table>
<thead>
<tr>
<th></th>
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</thead>
<tbody>
<tr>
<td>Health</td>
<td>3</td>
</tr>
<tr>
<td>Flammability</td>
<td>0</td>
</tr>
<tr>
<td>Reactivity</td>
<td>1</td>
</tr>
</tbody>
</table>

NFPA Ratings

<p>| | |</p>
<table>
<thead>
<tr>
<th></th>
<th></th>
</tr>
</thead>
<tbody>
<tr>
<td>Health</td>
<td>3</td>
</tr>
<tr>
<td>Fire</td>
<td>0</td>
</tr>
<tr>
<td>Reactivity</td>
<td>1</td>
</tr>
<tr>
<td>Special</td>
<td></td>
</tr>
</tbody>
</table>

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)