

# Material Safety Data Sheet

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



## DRANO® CRYSTALS

Version 1.1

Print Date 06/03/2009

Revision Date 05/29/2009

MSDS Number 350000004279

### 1. PRODUCT AND COMPANY IDENTIFICATION

#### Product information

Trade name : DRANO® CRYSTALS

Use of the Substance/Preparation Company : Drain Cleaner  
: 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 / crystalline / characteristic

#### Immediate Concerns

: Danger  
Corrosive  
CAUSES EYE AND SKIN BURNS  
HARMFUL OR FATAL IF SWALLOWED. Avoid contact with skin, eyes and clothing. Avoid breathing vapors, mist or gas.

#### 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 : May cause nose, throat, and lung irritation.

Ingestion : Harmful or fatal if swallowed.  
Causes severe digestive tract burns.

Aggravated Medical Condition : None known.

### 3. COMPOSITION/INFORMATION ON INGREDIENTS

| Chemical Name    | CAS-No.   | Weight %      |
|------------------|-----------|---------------|
| Sodium hydroxide | 1310-73-2 | 30.00 - 60.00 |
| Sodium nitrate   | 7631-99-4 | 15.00 - 40.00 |

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|                 |           |              |
|-----------------|-----------|--------------|
| Sodium chloride | 7647-14-5 | 7.00 - 13.00 |
| Aluminum        | 7429-90-5 | 1.00 - 5.00  |

#### 4. FIRST AID MEASURES

- Eye contact : Rinse immediately with plenty of water, also under the eyelids. Remove contact lenses. Hold eyelids apart and flush eyes with plenty of water for at least 15 minutes. Get medical attention.
- Skin contact : Remove contaminated clothing and shoes. Flush immediately with plenty of water for at least 15 to 20 minutes. Get medical attention immediately.
- Inhalation : Remove to fresh air. If breathing is affected, get medical attention.
- Ingestion : Rinse mouth. Drink 1 or 2 glasses of water. Do NOT induce vomiting. Get medical attention immediately.

#### 5. FIRE-FIGHTING MEASURES

- Suitable extinguishing media : Carbon dioxide (CO<sub>2</sub>), Dry chemical
- Extinguishing media which shall not be used for safety reasons : Water
- Further information : Wear full protective clothing and positive pressure self-contained breathing apparatus. Fight fire from maximum distance or protected area.
- 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 : Use personal protective equipment.
- Methods for cleaning up : Sweep up and shovel into suitable containers for disposal. Flush away traces with water.

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### 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

| Components       | CAS-No.   | mg/m3   | ppm | Basis         |
|------------------|-----------|---------|-----|---------------|
| Sodium hydroxide | 1310-73-2 | 2 mg/m3 | -   | ACGIH Ceiling |
| Sodium hydroxide | 1310-73-2 | 2 mg/m3 | -   | OSHA TWA      |

#### Personal protective equipment

##### Respiratory protection

Industrial setting : Substantial amounts of mist/vapors can be controlled with local exhaust ventilation or respiratory protection.

Household setting : No personal respiratory protective equipment normally required.

##### Hand protection

Industrial setting : In case of full contact:  
Rubber gloves

Household setting : Rubber gloves

##### Eye protection

Industrial setting : Safety glasses with side-shields

Household setting : No special requirements.

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**Hygiene measures** : Use only with adequate ventilation. Wash thoroughly after handling. Wear suitable protective clothing.

### 9. PHYSICAL AND CHEMICAL PROPERTIES

|                                        |   |                    |
|----------------------------------------|---|--------------------|
| Form                                   | : | crystalline        |
| Color                                  | : | white              |
| Odor                                   | : | characteristic     |
| pH                                     | : | > 12.5             |
| Melting point                          | : | no data available  |
| Boiling point                          | : | not applicable     |
| Freezing point                         | : | not applicable     |
| Flash point                            | : | not applicable     |
| Evaporation rate                       | : | not applicable     |
| Autoignition temperature               | : | not applicable     |
| Lower explosion limit                  | : | no data available  |
| Upper explosion limit                  | : | no data available  |
| Vapour pressure                        | : | not applicable     |
| Water solubility                       | : | completely soluble |
| Partition coefficient: n-octanol/water | : | not applicable     |
| Specific Gravity                       | : | 1.2                |
| Percent volatile                       | : | not applicable     |

### 10. STABILITY AND REACTIVITY

|                     |   |                                                                                                                       |
|---------------------|---|-----------------------------------------------------------------------------------------------------------------------|
| Conditions to avoid | : | None known.                                                                                                           |
| Materials to avoid  | : | Do not mix with acids or any other household products. May release dangerous gases (chlorine).<br>Avoid contact with: |

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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

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

Household setting : Dispose of in accordance with local regulations.

RCRA waste class : Non-hazardous waste

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### 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: II

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

#### Sea transport

▪ **IMDG:**

Class: 8  
Packaging group: II  
Proper shipping name Corrosive Solid, N.O.S.  
UN-Number: 1759

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

#### Air transport

▪ **ICAO/IATA:**

Class: 8  
Packaging group: II  
Proper shipping name Corrosive Solid, N.O.S.  
UN/ID No.: UN 1759

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.

### 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.

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: 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.  
: 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

|              |   |
|--------------|---|
| Health       | 3 |
| Flammability | 0 |
| Reactivity   | 1 |

#### NFPA Ratings

|            |   |
|------------|---|
| Health     | 3 |
| Fire       | 0 |
| Reactivity | 1 |
| Special    |   |

#### 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 &

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|  |                            |
|--|----------------------------|
|  | Regulatory Affairs (GSARA) |
|--|----------------------------|