

Material Safety Data Sheet

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



DRANO® CRYSTALS

Version 1.

Print Date 08/12/2008

Revision Date 07/21/2008

MSDS Number 350000004279

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

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 : No special requirements
- 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 (CO2)
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.

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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

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

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.

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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.
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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:

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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.

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.

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.

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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 & Regulatory Affairs (GSARA)
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