

Material Safety Data Sheet

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



Drano Crystals

Version 0.0

Print Date 11/02/2011

Revision Date 11/02/2011

MSDS Number 350000004279
SITE_FORM Number
30000000000000003604.001

1. PRODUCT AND COMPANY IDENTIFICATION

Product information

Trade name : Drano Crystals

Use of the Substance/Mixture : Drain Cleaner

Company : S.C. Johnson and Son, Limited
1 Webster Street
Brantford ON N3T 5R1

Emergency telephone number : 24 Hour Transport & Medical Emergency Phone (866) 231-5406
24 Hour International Emergency Phone (952) 852-4647
24 Hour Canadian Transport Emergency Phone (CANUTEC) (613) 996-6666

2. HAZARDS IDENTIFICATION

Emergency Overview

Appearance / Odor : silver / chips / odourless

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

Exposure routes : Eye, Skin, Inhalation, Ingestion.

Eyes : Corrosive - causes irreversible eye damage.
May cause blindness.

Skin : Corrosive to skin
Causes burns.

Inhalation : Corrosive to respiratory system

Ingestion : Causes severe digestive tract burns.

Aggravated Medical Condition : Individuals with chronic respiratory disorders such as asthma, chronic bronchitis, emphysema, etc. may be more susceptible to irritating effects

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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:

Chemical Name	CAS-No.	Weight percent
Sodium hydroxide	1310-73-2	30.00 - 60.00
Sodium nitrate	7631-99-4	30.00 - 60.00
Aluminum	7429-90-5	1.00 - 5.00

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

4. FIRST AID MEASURES

- Eye contact : Protect unharmed eye. Remove contact lenses. Flush immediately with plenty of water for at least 15 to 20 minutes. Get medical attention immediately.
- Skin contact : Flush immediately with plenty of water for at least 15 to 20 minutes. Get medical attention immediately. Remove contaminated clothing and shoes. Wash clothing before reuse. Thoroughly clean shoes before reuse.
- Inhalation : Remove to fresh air. If not breathing, give artificial respiration. Get medical attention immediately.
- 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 : 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. In case of fire and/or explosion do not breathe fumes.

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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 : Wear personal protective equipment.
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.
Avoid breathing vapors, mist or gas.
For personal protection see section 8.
Use only as directed.
KEEP OUT OF REACH OF CHILDREN AND PETS.
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.

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.

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8. EXPOSURE CONTROLS/PERSONAL PROTECTION

Occupational Exposure Limits

Components	CAS-No.	mg/m3	ppm	Non-standard units	Basis
Sodium hydroxide	1310-73-2	2 mg/m3	-	-	ACGIH Ceiling
Aluminum	7429-90-5	1 mg/m3	-	-	ACGIH TWA

Personal protective equipment

Respiratory protection

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

Household setting : Use only with adequate ventilation.

Hand protection : Rubber gloves

Eye protection

Industrial setting : Wear splash-resistant Chemical goggles.

Household setting : Avoid contact with eyes.

Skin and body protection : Protective footwear.

Hygiene measures : Handle in accordance with good industrial hygiene and safety practice. Wash thoroughly after handling.

9. PHYSICAL AND CHEMICAL PROPERTIES

Form : chips
Color : silver
Odor : odourless
pH : > 12.5

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Melting point	:	no data available
Boiling point	:	not applicable
Freezing point	:	not applicable
Flash point	:	not applicable
Evaporation rate	:	not applicable
Flammability (solid, gas)	:	no data available
Autoignition temperature	:	not applicable
Lower explosion limit	:	no data available
Upper explosion limit	:	no data available
Vapour pressure	:	not applicable
Density	:	2.016 g/cm ³ estimated
Water solubility	:	practically insoluble
Partition coefficient: n-octanol/water	:	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	:	Do not mix with acids or any other household products. May release dangerous gases (chlorine). Avoid contact with: Rust remover. Ammonia
Hazardous decomposition products	:	Thermal decomposition can lead to release of irritating gases and vapours.
Hazardous reactions	:	Stable under recommended storage conditions.

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11. TOXICOLOGICAL INFORMATION

Acute oral toxicity : Harmful if swallowed.
Causes severe digestive tract burns.

Harmful or fatal if swallowed.

Acute inhalation toxicity : no data available

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 : no data available

12. ECOLOGICAL INFORMATION

Ecotoxicity effects : no data available

13. DISPOSAL CONSIDERATIONS

Observe all applicable Federal, Provincial and State

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regulations and Local/Municipal ordinances regarding disposal.
Consumer may discard empty container in trash, or recycle where facilities exist.

RCRA waste class : Non-hazardous waste

SCJ product category : SC: Solid Caustic

14. TRANSPORT INFORMATION

Land transport

▪ **U.S. DOT and Canadian TDG Surface Transportation:**

Proper shipping name UN 3084 Corrosive Solids, Oxidizing, n.o.s. (Sodium Hydroxide, Sodium Nitrate), 8, 5.1, PG II, Ltd. Qty.

||Class: 8
UN number: 3084
||Packaging group: II
Note:

Sea transport

▪ **IMDG:**

Proper shipping name UN 3084 Corrosive Solids, Oxidizing, n.o.s. (Sodium Hydroxide, Sodium Nitrate), 8, 5.1, PG II, Ltd. Qty.

||Class: 8
UN number: 3084
||Packaging group: II
EmS: F-A, S-Q
Note:

Air transport

▪ **ICAO/IATA:**

Proper shipping name UN 3084 Corrosive Solids, Oxidizing, n.o.s. (Sodium Hydroxide, Sodium Nitrate), 8, 5.1, PG II, Ltd. Qty.

||Class: 8
UN/ID No.: UN 3084
||Packaging group: II
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

- 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

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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