

Safety Data Sheet

classification according to Canadian Hazardous Products Regulation



DRANO® PROFESSIONAL STRENGTH KITCHEN CRYSTALS CLOG REMOVER

Version 1.0

Print Date 06/20/2017

Revision Date 05/23/2017

SDS Number 350000004279

1. PRODUCT AND COMPANY IDENTIFICATION

Product information

Product name : DRANO® PROFESSIONAL STRENGTH KITCHEN CRYSTALS CLOG REMOVER

Recommended use : Drain Cleaner

Restrictions on use : Use only as directed on label

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

Telephone : +1-800-558-5566

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

Classification of the substance or mixture

Globally Harmonized System (GHS) Classification

Hazard classification	Hazard category	Hazards identification
Skin corrosion	Category 1B	Causes severe skin burns and eye damage.
Serious eye damage	Category 1	Causes serious eye damage.

Labelling

Hazard symbols

Corrosion
Exclamation mark

Signal word

Danger

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Hazard statements

Harmful if swallowed or if inhaled
Causes severe skin burns and eye damage.

Precautionary statements

If medical advice is needed, have product container or label at hand.
Keep out of reach of children.
Read label before use.
Immediately call a POISON CENTER/doctor.
Specific treatment (see supplemental first aid instructions on this label).
IF INHALED: Remove victim to fresh air and keep at rest in a position comfortable for breathing.
IF ON SKIN (or hair): Remove/ Take off immediately all contaminated clothing. Rinse skin with water/shower.
IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.
IF SWALLOWED: Rinse mouth. Do NOT induce vomiting.
Wash contaminated clothing before reuse.
Store locked up.
Dispose of contents/ container to an approved incineration plant.
Wear protective gloves.
Do not breathe dust or mist.
Avoid breathing spray.
Wash hands thoroughly after handling.
Do not eat, drink or smoke when using this product.
Use only outdoors or in a well-ventilated area.

Other hazards : None identified

3. COMPOSITION/INFORMATION ON INGREDIENTS

Hazardous chemicals present at or above reportable levels as defined by Canadian Hazardous Products Regulation are listed in this table.

Chemical name	CAS-No.	Weight percent
Sodium hydroxide	1310-73-2	40.00 - 60.00
Sodium nitrate	7631-99-4	30.00 - 40.00

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Sodium chloride	7647-14-5	10.00 - 13.00
Aluminum	7429-90-5	3.00 - 5.00
Distillates (petroleum), solvent-dewaxed heavy paraffinic	64742-65-0	0.10 - 1.00

The specific chemical identity and/or exact percentage (concentration) of this composition has been withheld as a trade secret.

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

4. FIRST AID MEASURES

Description of first aid measures

- Eye contact** : IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. Immediately call a POISON CENTER/doctor. Get medical attention immediately.
- Skin contact** : IF ON SKIN (or hair): Take off immediately all contaminated clothing. Rinse skin with water/shower. Wash contaminated clothing before reuse. Immediately call a POISON CENTER/doctor. IF exposed or concerned: Get medical advice/ attention.
- Inhalation** : IF INHALED: Remove person to fresh air and keep comfortable for breathing. Call a POISON CENTER or doctor/physician if you feel unwell. IF INHALED: If breathing is difficult, remove victim to fresh air and keep at rest in a position comfortable for breathing.
- Ingestion** : IF SWALLOWED: Rinse mouth. Do NOT induce vomiting.

Most important symptoms and effects, both acute and delayed

- Eyes : Causes serious eye damage.
- Skin effect : Causes severe skin burns.

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No adverse effects expected when used as directed.

Inhalation : No adverse effects expected when used as directed.

Ingestion : Causes digestive tract burns.
No adverse effects expected when used as directed.

Indication of any immediate medical attention and special treatment needed

See Description of first aid measures unless otherwise stated.

5. FIREFIGHTING MEASURES

Suitable extinguishing media : Carbon dioxide (CO₂), Dry chemical

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

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.

6. ACCIDENTAL RELEASE MEASURES

Personal precautions : Wear personal protective equipment.
Wash thoroughly after handling.
Obtain special instructions before use.

Environmental precautions : Outside of normal use, avoid release to the environment.

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Methods and materials for containment and cleaning up : Sweep up and shovel into suitable containers for disposal.
Clean residue from spill site.

7. HANDLING AND STORAGE

Handling

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

Storage

Requirements for storage areas and containers : Store locked up.

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

Hand protection : Rubber gloves

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- | | |
|---------------------------------|--|
| Eye protection | : Wear splash-resistant Chemical goggles. |
| 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
solid |
| Color | : silver Aqua |
| Odour | : odourless |
| Odour Threshold | : No data available |
| pH | : > 12.5 |
| Melting point/freezing point | : Not applicable |
| Initial boiling point and boiling range | : Not applicable |
| Flash point | : Not applicable |
| Evaporation rate | : Not applicable |
| Flammability (solid, gas) | : No data available |
| Upper/lower flammability or explosive limits | : No data available |

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Vapour pressure	: Not applicable	
Vapour density	: No data available	
Relative density	: 2.016 g/cm3 estimated	
Solubility(ies)	: partly soluble	
Partition coefficient: n-octanol/water	: Not applicable	
Auto-ignition temperature	: No data available	
Decomposition temperature	: No data available	
Viscosity, dynamic	: Not applicable	
Viscosity, kinematic	: Not applicable	
Oxidizing properties	: No data available	
Volatile Organic Compounds Total VOC (wt. %)*	: 0 % - additional exemptions may apply *as defined by US Federal and State Consumer Product Regulations	
Other information	: None identified	:

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10. STABILITY AND REACTIVITY

- Reactivity** : No dangerous reaction known under conditions of normal use.
- Chemical stability** : Stable under recommended storage conditions.
- Possibility of hazardous reactions** : If accidental mixing occurs and toxic gas is formed, exit area immediately. Do not return until well ventilated.
- Conditions to avoid** : Direct sources of heat.
- Incompatible materials** : Do not mix with bleach or any other household cleaners. Strong bases
- Hazardous decomposition products** : Thermal decomposition can lead to release of irritating gases and vapours.

11. TOXICOLOGICAL INFORMATION

- Acute oral toxicity** : LD50 3336 mg/kg
- Acute inhalation toxicity** : LC50 > 10 mg/L
- Acute dermal toxicity** : LD50 2490 mg/kg

GHS Properties	Classification	Routes of entry
Acute toxicity	No classification proposed	Oral
Acute toxicity	No classification proposed	Dermal

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Acute toxicity	No classification proposed	Inhalation - Dust and Mist
Acute toxicity	No classification proposed	Inhalation - Vapour
Acute toxicity	No classification proposed	Inhalation - Gas
Skin corrosion	Category 1B	-
Serious eye damage	Category 1	-
Skin sensitisation	No classification proposed	-
Respiratory sensitisation	No classification proposed	-
Germ cell mutagenicity	No classification proposed	-
Carcinogenicity	No classification proposed	-
Carcinogenicity	No classification proposed	-
Reproductive toxicity	No classification proposed	-
Specific target organ toxicity - single exposure	No classification proposed	-
Specific target organ toxicity - repeated exposure	No classification proposed	-
Aspiration hazard	No classification proposed	-

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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12. ECOLOGICAL INFORMATION

Product : The product itself has not been tested.

Toxicity

The ingredients in this formula have been reviewed and no adverse impact to the environment is expected when used according to label directions.

Toxicity to fish

Components	End point	Species	Value	Exposure time
Sodium hydroxide	LC50	Fish	35 - 189 mg/l	96 h
Sodium nitrate	static test LC50	Oncorhynchus mykiss (rainbow trout)	994.4 - 1,107 mg/l	96 h
	NOEC	Pimephales promelas (fathead minnow)	58 mg/l	30 d
Sodium chloride	flow-through test LC50	Lepomis macrochirus	5,840 mg/l	96 h
	NOEC	Pimephales promelas (fathead minnow)	252 mg/l	33 d
Aluminum	No data available			
Sodium hydroxide	LC50	Fish	35 - 189 mg/l	96 h

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Sodium nitrate	static test LC50	Oncorhynchus mykiss (rainbow trout)	994.4 - 1,107 mg/l	96 h
	NOEC	Pimephales promelas (fathead minnow)	58 mg/l	30 d
Sodium chloride	flow- through test LC50	Lepomis macrochirus	5,840 mg/l	96 h
	NOEC	Pimephales promelas (fathead minnow)	252 mg/l	33 d
Aluminum	No data available			
Distillates (petroleum), solvent- dewaxed heavy paraffinic	LC50	Pimephales promelas (fathead minnow)	> 100 mg/l	96 h

Toxicity to aquatic invertebrates

Components	End point	Species	Value	Exposure time
Sodium hydroxide	EC50	Daphnia magna (Water flea)	40.4 mg/l	48 h
Sodium nitrate	EC50	Daphnia magna (Water flea)	8,609 mg/l	24 h
Sodium chloride	static test EC50	Daphnia magna (Water flea)	340.7 - 469.2 mg/l	48 h

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	NOEC	Daphnia pulex	314 mg/l	21 d
Aluminum	No data available			
Sodium hydroxide	EC50	Daphnia magna (Water flea)	40.4 mg/l	48 h
Sodium nitrate	EC50	Daphnia magna (Water flea)	8,609 mg/l	24 h
Sodium chloride	static test EC50	Daphnia magna (Water flea)	340.7 - 469.2 mg/l	48 h
	NOEC	Daphnia pulex	314 mg/l	21 d
Aluminum	No data available			
Distillates (petroleum), solvent-dewaxed heavy paraffinic	EC50	Daphnia magna (Water flea)	10,000 mg/l	48 h

Toxicity to aquatic plants

Components	End point	Species	Value	Exposure time
Sodium hydroxide	No data			

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	available			
Sodium nitrate	No data available			
Sodium chloride	IC50	Algae	3,014 mg/l	72 h
Aluminum	No data available			
Sodium hydroxide	No data available			
Sodium nitrate	No data available			
Sodium chloride	IC50	Algae	3,014 mg/l	72 h
Aluminum	No data available			
Distillates (petroleum), solvent-dewaxed heavy paraffinic	No data available			

Persistence and degradability

Component	Biodegradation	Exposure time	Summary
Sodium hydroxide	No data available		
Sodium nitrate	No data available		
Sodium chloride	No data available		
Aluminum	No data available		
Sodium hydroxide	No data available		
Sodium nitrate	No data available		
Sodium chloride	No data available		
Aluminum	No data available		
Distillates (petroleum), solvent-dewaxed heavy paraffinic	2 - 4 %	28 d	Not readily biodegradable.

Bioaccumulative potential

Component	Bioconcentration factor (BCF)	Partition Coefficient n-Octanol/water (log)
Sodium hydroxide	0.89 estimated	-1.38
Sodium nitrate	No data available	-3.8

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Sodium chloride	1.09 QSAR	0.54
Aluminum	No data available	No data available
Sodium hydroxide	0.89 estimated	-1.38
Sodium nitrate	No data available	-3.8
Sodium chloride	1.09 QSAR	0.54
Aluminum	No data available	No data available
Distillates (petroleum), solvent-dewaxed heavy paraffinic	No data available	No data available

Mobility

Component	End point	Value
Sodium hydroxide	No data available	
Sodium nitrate	No data available	
Sodium chloride	No data available	
Aluminum	No data available	
Sodium hydroxide	No data available	
Sodium nitrate	No data available	
Sodium chloride	No data available	
Aluminum	No data available	
Distillates (petroleum), solvent-dewaxed heavy paraffinic	No data available	

PBT and vPvB assessment

Component	Results
Sodium hydroxide	Not fulfilling PBT and vPvB criteria
Sodium nitrate	Not fulfilling PBT and vPvB criteria
Sodium chloride	Not fulfilling PBT and vPvB criteria
Aluminum	Not fulfilling PBT and vPvB criteria
Sodium hydroxide	Not fulfilling PBT and vPvB criteria

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Sodium nitrate	Not fulfilling PBT and vPvB criteria
Sodium chloride	Not fulfilling PBT and vPvB criteria
Aluminum	Not fulfilling PBT and vPvB criteria
Distillates (petroleum), solvent-dewaxed heavy paraffinic	Not fulfilling PBT and vPvB criteria

Other adverse effects : None known.

13. DISPOSAL CONSIDERATIONS

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.

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	Land transport	Sea transport	Air transport
UN number	1759	1759	1759
UN proper shipping name	UN 1759 Corrosive Solid, n.o.s. (Sodium hydroxide), 8, II, Ltd. Qty.	UN 1759 Corrosive Solid, n.o.s. (Sodium hydroxide), 8, II, Ltd. Qty.	UN 1759 Corrosive Solid, n.o.s. (Sodium hydroxide), 8, II, Ltd. Qty.
Transport hazard class(es)	8	8	8
Packing group	II	II	II
Environmental hazards	-	-	-
Special precautions for user	Limited quantities derogation may be applicable to this product, please check transport documents.	Limited quantities derogation may be applicable to this product, please check transport documents.	Limited quantities derogation may be applicable to this product, please check transport documents.
Transport in bulk according to Annex II of MARPOL 73/78 and the IBC Code	Product not transported as bulk.	Product not transported as bulk.	Product not transported as bulk.

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).

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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 the hazard criteria of the Hazardous Products Act and Regulations.

16. OTHER INFORMATION

HMIS Ratings

Health	3
Flammability	0
Reactivity	1

NFPA Ratings

Health	3
Fire	0
Reactivity	1
Special	-

This information is being provided in accordance with Canada's Workplace Hazard Material Information System. The information supplied is designed for workplaces where product use and frequency of exposure exceeds that established for the labeled consumer use.

Further information

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