

Material Safety Data Sheet

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



DRANO® CLOG REMOVER

Version 2.0

Print Date 03/04/2011

Revision Date 10/13/2010

MSDS Number 350000004298

SITE_FORM Number

30000000000000003622.001

1. PRODUCT AND COMPANY IDENTIFICATION

Product information

Trade name : DRANO® CLOG REMOVER

Use of the Substance/Mixture : Drain Cleaner

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

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

2. HAZARDS IDENTIFICATION

Emergency Overview

Appearance / Odor : natural colour / liquid / Bleach

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 hypochlorite	7681-52-9	1.00 - 5.00
Sodium hydroxide	1310-73-2	1.00 - 5.00
Sodium silicate	1344-09-8	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. FIRE-FIGHTING MEASURES

- Suitable extinguishing media : Use water spray, alcohol-resistant foam, dry chemical or carbon dioxide.
- Specific hazards during fire fighting : Container may melt and leak in heat of fire.
- Special protective equipment for fire-fighters : Wear suitable protective clothing and gloves.
- Further information : Fight fire with normal precautions from a reasonable distance. Standard procedure for chemical fires. Wear full protective clothing and positive pressure self-contained breathing apparatus.

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Flash point : Note: not applicable

Lower explosion limit : Note: not applicable

Upper explosion limit : Note: not applicable

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 : Soak up with inert absorbent material.
Sweep up and shovel into suitable containers for disposal.
Dike large spills.
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.

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

Storage

Requirements for storage areas and containers : Keep container closed when not in use.
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	-	-	OSHA TWA
Sodium hydroxide	1310-73-2	2 mg/m3	-	-	ACGIH Ceiling

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 : No special requirements.

Hand protection : Rubber gloves

Eye protection

Industrial setting : Wear splash-resistant Chemical goggles.

Household setting : No special requirements.

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 : liquid

Color : natural colour

Odor : Bleach

pH : 11.5 - 13.4

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Boiling point	:	> 93 °C
Freezing point	:	no data available
Flash point	:	not applicable
Evaporation rate	:	no data available
Autoignition temperature	:	not applicable
Lower explosion limit	:	not applicable
Upper explosion limit	:	not applicable
Vapour pressure	:	similar to water
Density	:	1.09 g/cm ³ at 25 °C
Water solubility	:	completely soluble
Partition coefficient: n-octanol/water	:	not applicable
Volatile Organic Compounds (California Air Resource Board – CARB) Total VOC (wt. %)	:	0 % - does not include any applicable regulatory exemptions

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: Ammonia compounds. Rust remover. Strong acids
Hazardous decomposition products	:	Thermal decomposition can lead to release of irritating gases and vapours.
Hazardous reactions	:	If accidental mixing occurs and toxic gas is formed, exit area immediately. Do not return until well ventilated.

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11. TOXICOLOGICAL INFORMATION

Acute oral toxicity : LD50
estimated
> 5,000 mg/kg
Causes severe digestive tract burns.

Acute inhalation toxicity : no data available

Acute dermal toxicity : LD50
estimated
> 2,000 mg/kg

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 : no data available

13. DISPOSAL CONSIDERATIONS

Observe all applicable Federal, Provincial and State regulations and Local/Municipal ordinances regarding disposal.
Consumer may discard empty container in trash, or recycle where facilities exist.

RCRA waste class : D002 (Corrosive Waste)

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14. TRANSPORT INFORMATION

Land transport

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

Proper shipping name UN 1760 CORROSIVE LIQUID, N.O.S (Sodium hypochlorite), 8, III

Class: 8

UN number 1760

Packaging group: III

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

Sea transport

▪ **IMDG:**

Proper shipping name UN 1760 CORROSIVE LIQUID, N.O.S (Sodium hypochlorite), 8, III

Class: 8

UN number: 1760

Packaging group: III

EmS: F-A, S-B

Note: Limited quantities derogation may be applicable to this product, please check transport documents.

Air transport

▪ **ICAO/IATA:**

Proper shipping name UN 1760 CORROSIVE LIQUID, N.O.S (Sodium hypochlorite), 8, III

Class: 8

UN/ID No.: UN 1760

Packaging group: III

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

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.

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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	0

NFPA Ratings

Health	3
Fire	0
Reactivity	0
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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