

## Safety Data Sheet

according to Hazard Communication Standard; 29 CFR 1910.1200



# DRANO® LIQUID Drain Cleaner

Version 2.0

Print Date 03/06/2018

Revision Date 08/16/2017

SDS Number 350000004298

## 1. PRODUCT AND COMPANY IDENTIFICATION

### Product information

**Product name** : DRANO® LIQUID Drain Cleaner

**Recommended use** : Drain Cleaner

**Restrictions on use** : Use only as directed on label

**Manufacturer, importer, supplier** : S.C. Johnson & Son, Inc.  
1525 Howe Street  
Racine WI 53403-2236

**Telephone** : +1-800-558-5252

**Emergency telephone number** : 24 Hour Medical Emergency Phone: (866)231-5406  
24 Hour International Emergency Phone: (703)527-3887  
24 Hour Transport Emergency Phone: (800)424-9300

## 2. HAZARDS IDENTIFICATION

### Classification of the substance or mixture

#### Globally Harmonized System (GHS) Classification

Hazard classification	Hazard category	Hazards identification
Corrosive to metals	Category 1	May be corrosive to metals.
Skin corrosion	Category 1	Causes severe skin burns and eye damage.
Serious eye damage	Category 1	Causes serious eye damage.

### Labelling

#### Hazard symbols

Corrosion

#### Signal word

Danger

#### Hazard statements

May be corrosive to metals.  
Causes severe skin burns and eye damage.

## Safety Data Sheet

according to Hazard Communication Standard; 29 CFR 1910.1200



## DRANO® LIQUID Drain Cleaner

Version 2.0

Print Date 03/06/2018

Revision Date 08/16/2017

SDS Number 350000004298

### 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.

Absorb spillage to prevent material damage.

Store locked up.

Store in corrosive resistant polypropylene container with a resistant inner liner.

Store in corrosive resistant polyethylene container with a resistant inner liner.

Store in corrosive resistant stainless steel container with a resistant inner liner.

Store in corrosive resistant aluminium container with a resistant inner liner.

Dispose of contents/ container to an approved incineration plant.

Keep only in original container.

Wear protective gloves.

Do not breathe dust or mist.

Wash hands thoroughly after handling.

**Other hazards** : None identified

### 3. COMPOSITION/INFORMATION ON INGREDIENTS

Chemical name	CAS-No.	Weight percent
Sodium hypochlorite	7681-52-9	1.00 - 5.00
Sodium chloride	7647-14-5	1.00 - 5.00
Sodium hydroxide	1310-73-2	1.00 - 5.00
Sodium silicate	1344-09-8	1.00 - 5.00

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](http://www.whatsinsidescjohnson.com).

## Safety Data Sheet

according to Hazard Communication Standard; 29 CFR 1910.1200



## DRANO® LIQUID Drain Cleaner

Version 2.0

Print Date 03/06/2018

Revision Date 08/16/2017

SDS Number 350000004298

### 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.

**Inhalation** : 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.  
No adverse effects expected when used as directed.

Inhalation : May cause respiratory tract irritation.

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** : Use water spray, alcohol-resistant foam, dry chemical or carbon dioxide.

**Specific hazards during** : Container may melt and leak in heat of fire.

**Safety Data Sheet**

according to Hazard Communication Standard; 29 CFR 1910.1200



**DRANO® LIQUID Drain Cleaner**

Version 2.0

Print Date 03/06/2018

Revision Date 08/16/2017

SDS Number 350000004298

**firefighting**

**Special protective equipment for firefighters** : Wear suitable protective clothing and gloves.

**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.

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

**Methods and materials for containment and cleaning up** : Dike large spills.  
Clean residue from spill site.  
Absorb spillage to prevent material damage.

**7. HANDLING AND STORAGE**

**Handling**

**Precautions for safe handling** : Avoid contact with skin, eyes and clothing.  
For personal protection see section 8.  
Use only as directed.  
**KEEP OUT OF REACH OF CHILDREN AND PETS.**  
Avoid breathing vapours, mist or gas.  
Wash thoroughly after handling.

**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.  
Store locked up.  
Store in original container.  
Store in corrosive resistant aluminium container with a resistant inner liner.

## Safety Data Sheet

according to Hazard Communication Standard; 29 CFR 1910.1200



## DRANO® LIQUID Drain Cleaner

Version 2.0

Print Date 03/06/2018

Revision Date 08/16/2017

SDS Number 350000004298

### 8. EXPOSURE CONTROLS/PERSONAL PROTECTION

#### Occupational Exposure Limits

Components	CAS-No.	mg/m <sup>3</sup>	ppm	Non-standard units	Basis
Sodium hydroxide	1310-73-2	2 mg/m <sup>3</sup>	-	-	OSHA TWA
Sodium hydroxide	1310-73-2	2 mg/m <sup>3</sup>	-	-	ACGIH Ceiling

#### 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
- 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** : liquid
- Color** : clear
- Odour** : odourless
- Odour Threshold** : Test not applicable for this product type
- pH** : 11.5 - 13.4

## Safety Data Sheet

according to Hazard Communication Standard; 29 CFR 1910.1200



## DRANO® LIQUID Drain Cleaner

Version 2.0

Print Date 03/06/2018

Revision Date 08/16/2017

SDS Number 350000004298

<b>Melting point/freezing point</b>	: 32 °F
<b>Initial boiling point and boiling range</b>	: > 93 °C
<b>Flash point</b>	: does not flash
<b>Evaporation rate</b>	: Test not applicable for this product type
<b>Flammability (solid, gas)</b>	: Test not applicable for this product type
<b>Upper/lower flammability or explosive limits</b>	: Test not applicable for this product type
<b>Vapour pressure</b>	: Test not applicable for this product type
<b>Vapour density</b>	: No data available
<b>Relative density</b>	: 1.09 g/cm <sup>3</sup> at 25 °C
<b>Solubility(ies)</b>	: completely soluble
<b>Partition coefficient: n-octanol/water</b>	: Not applicable
<b>Auto-ignition temperature</b>	: Test not applicable for this product type
<b>Decomposition temperature</b>	: Test not applicable for this product type
<b>Viscosity, dynamic</b>	: < 10 mPa.s
<b>Viscosity, kinematic</b>	: Test not applicable for this product type

**Safety Data Sheet**

according to Hazard Communication Standard; 29 CFR 1910.1200



**DRANO® LIQUID Drain Cleaner**

Version 2.0

Print Date 03/06/2018

Revision Date 08/16/2017

SDS Number 350000004298

**Oxidizing properties** : Test not applicable for this product type

**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 :

**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 > 5000 mg/kg  
**Acute inhalation toxicity** : LC50 > 10 mg/L  
**Acute dermal toxicity** : LD50 > 5000 mg/kg

GHS Properties	Classification	Routes of entry
----------------	----------------	-----------------

## Safety Data Sheet

according to Hazard Communication Standard; 29 CFR 1910.1200



## DRANO® LIQUID Drain Cleaner

Version 2.0

Print Date 03/06/2018

Revision Date 08/16/2017

SDS Number 350000004298

Acute toxicity	No classification proposed	Oral
Acute toxicity	No classification proposed	Dermal
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 1	-
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	-
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

## 12. ECOLOGICAL INFORMATION

**Product** : The product itself has not been tested.

### Toxicity



**Safety Data Sheet**

according to Hazard Communication Standard; 29 CFR 1910.1200

**DRANO® LIQUID Drain Cleaner**

Version 2.0

Print Date 03/06/2018

Revision Date 08/16/2017

SDS Number 350000004298

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 hypochlorite	LC50	Fish	0.06 mg/l	96 h
	NOEC		0.01 - < 0.1 mg/l	28 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
Sodium hydroxide	LC50	Fish	35 - 189 mg/l	96 h
Sodium silicate	LC50	Oncorhynchus mykiss (rainbow trout)	260 - 310 mg/l	96 h

**Toxicity to aquatic invertebrates**

Components	End point	Species	Value	Exposure time
Sodium hypochlorite	EC50	Ceriodaphnia dubia	0.035 mg/l	48 h
Sodium chloride	static test EC50	Daphnia magna (Water flea)	340.7 -	48 h

**Safety Data Sheet**

according to Hazard Communication Standard; 29 CFR 1910.1200

**DRANO® LIQUID Drain Cleaner**

Version 2.0

Print Date 03/06/2018

Revision Date 08/16/2017

SDS Number 350000004298

			469.2 mg/l	
	NOEC	Daphnia pulex	314 mg/l	21 d
Sodium hydroxide	EC50	Daphnia magna (Water flea)	40.4 mg/l	48 h
Sodium silicate	static test EC50	Daphnia magna (Water flea)	1,700 mg/l	48 h

**Toxicity to aquatic plants**

Components	End point	Species	Value	Exposure time
Sodium hypochlorite	ErC50	Pseudokirchneriella subcapitata (green algae)	0.0499 mg/l	
Sodium chloride	IC50	Algae	3,014 mg/l	72 h
Sodium hydroxide	No data available			
Sodium silicate	EC50	Desmodesmus subspicatus (green algae)	> 345.4 mg/l	72 h

**Persistence and degradability**

Component	Biodegradation	Exposure time	Summary
Sodium hypochlorite	No data available		
Sodium chloride	No data available		
Sodium hydroxide	No data available		
Sodium silicate	No data available		

**Bioaccumulative potential**

Component	Bioconcentration factor (BCF)	Partition Coefficient n-Octanol/water (log)

**Safety Data Sheet**

according to Hazard Communication Standard; 29 CFR 1910.1200

**DRANO® LIQUID Drain Cleaner**

Version 2.0

Print Date 03/06/2018

Revision Date 08/16/2017

SDS Number 350000004298

Sodium hypochlorite	No data available	-3.42
Sodium chloride	1.09 QSAR	0.54
Sodium hydroxide	0.89 estimated	-1.38
Sodium silicate	No data available	No data available

**Mobility**

Component	End point	Value
Sodium hypochlorite	No data available	
Sodium chloride	No data available	
Sodium hydroxide	No data available	
Sodium silicate	No data available	

**PBT and vPvB assessment**

Component	Results
Sodium hypochlorite	Not fulfilling PBT and vPvB criteria
Sodium chloride	Not fulfilling PBT and vPvB criteria
Sodium hydroxide	Not fulfilling PBT and vPvB criteria
Sodium silicate	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.

**Safety Data Sheet**

according to Hazard Communication Standard; 29 CFR 1910.1200

**DRANO® LIQUID Drain Cleaner**

Version 2.0

Print Date 03/06/2018

Revision Date 08/16/2017

SDS Number 350000004298

	<b>Land transport</b>	<b>Sea transport</b>	<b>Air transport</b>
<b>UN number</b>	1760	1760	1760
<b>UN proper shipping name</b>	CORROSIVE LIQUID, N.O.S (Sodium hypochlorite)	CORROSIVE LIQUID, N.O.S (Sodium hypochlorite)	CORROSIVE LIQUID, N.O.S (Sodium hypochlorite)
<b>Transport hazard class(es)</b>	8	8	8
<b>Packing group</b>	III	III	III
<b>Environmental hazards</b>	-	-	-
<b>Special precautions for user</b>	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.
<b>Transport in bulk according to Annex II of MARPOL 73/78 and the IBC Code</b>	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).
- California Prop. 65** : This product does not contain any chemicals known to State of California to cause cancer, birth defects, or any other reproductive harm.

**Safety Data Sheet**

according to Hazard Communication Standard; 29 CFR 1910.1200



**DRANO® LIQUID Drain Cleaner**

Version 2.0

Print Date 03/06/2018

Revision Date 08/16/2017

SDS Number 350000004298

**16. OTHER INFORMATION**

**HMIS Ratings**

<b>Health</b>	3
<b>Flammability</b>	0
<b>Reactivity</b>	0

**NFPA Ratings**

<b>Health</b>	3
<b>Fire</b>	0
<b>Reactivity</b>	0
<b>Special</b>	-

This information is being provided in accordance with the Occupational Safety and Health Administration (OSHA) regulation (29 CFR 1910.1200). The information supplied is designed for workplaces where product use and frequency of exposure exceeds that established for the labeled consumer use.

**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)
-------------	--