

Safety Data Sheet

according to Hazard Communication Standard; 29 CFR 1910.1200



DRANO LIQUID® DRAIN CLEANER

Version 1.2

Print Date 03/04/2015

Revision Date 02/24/2015

SDS Number 350000004298

1. PRODUCT AND COMPANY IDENTIFICATION

Product information

Product name : DRANO LIQUID® DRAIN CLEANER

Recommended use : Drain Cleaner

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

Telephone : +18005585252
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 1B	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.

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 or doctor/ physician.
Specific treatment (see supplemental first aid instructions on this label).

Safety Data Sheet

according to Hazard Communication Standard; 29 CFR 1910.1200



DRANO LIQUID® DRAIN CLEANER

Version 1.2

Print Date 03/04/2015

Revision Date 02/24/2015

SDS Number 350000004298

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.

4. 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 or doctor/ physician. Get medical attention immediately.

Skin contact : IF ON SKIN (or hair): Take off immediately all contaminated

Safety Data Sheet

according to Hazard Communication Standard; 29 CFR 1910.1200



DRANO LIQUID® DRAIN CLEANER

Version 1.2

Print Date 03/04/2015

Revision Date 02/24/2015

SDS Number 350000004298

clothing. Rinse skin with water/shower. Wash contaminated clothing before reuse. Immediately call a POISON CENTER or doctor/ physician.

- 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.

5. FIREFIGHTING MEASURES

- Suitable extinguishing media** : Use water spray, alcohol-resistant foam, dry chemical or carbon dioxide.
- Specific hazards during firefighting** : Container may melt and leak in heat of fire.
- 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.

Safety Data Sheet

according to Hazard Communication Standard; 29 CFR 1910.1200



DRANO LIQUID® DRAIN CLEANER

Version 1.2

Print Date 03/04/2015

Revision Date 02/24/2015

SDS Number 350000004298

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.

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 : 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.

Safety Data Sheet

according to Hazard Communication Standard; 29 CFR 1910.1200



DRANO LIQUID® DRAIN CLEANER

Version 1.2

Print Date 03/04/2015

Revision Date 02/24/2015

SDS Number 350000004298

9. PHYSICAL AND CHEMICAL PROPERTIES

- Form** : liquid
- Color** : natural colour
- Odor** : Bleach
- Odour Threshold** : No data available
- pH** : 11.5 - 13.4
- Melting point/freezing point** : No data available
- Initial boiling point and boiling range** : > 93 °C
- Flash point** : Not applicable
- Evaporation rate** : No data available
- Flammability (solid, gas)** : No data available
- Upper/lower flammability or explosive limits** : Not applicable
- Vapour pressure** : similar to water
- Vapour density** : No data available
- Relative density** : 1.09 g/cm³ at 25 °C
- Solubility(ies)** : completely soluble

Safety Data Sheet

according to Hazard Communication Standard; 29 CFR 1910.1200



DRANO LIQUID® DRAIN CLEANER

Version 1.2

Print Date 03/04/2015

Revision Date 02/24/2015

SDS Number 350000004298

- Partition coefficient: n-octanol/water** : Not applicable

- Auto-ignition temperature** : Not applicable

- Decomposition temperature** : No data available

- Viscosity, dynamic** : No data available

- Viscosity, kinematic** : No data available

- 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 :

10. STABILITY AND REACTIVITY

- 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

Safety Data Sheet

according to Hazard Communication Standard; 29 CFR 1910.1200



DRANO LIQUID® DRAIN CLEANER

Version 1.2

Print Date 03/04/2015

Revision Date 02/24/2015

SDS Number 350000004298

- Emergency Overview** : Danger
- 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

GHS Properties	Classification	Routes of entry
Acute toxicity	No classification proposed	-
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	-
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

Safety Data Sheet

according to Hazard Communication Standard; 29 CFR 1910.1200

**DRANO LIQUID® DRAIN CLEANER**

Version 1.2

Print Date 03/04/2015

Revision Date 02/24/2015

SDS Number 350000004298

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 hypochlorite	semi-static test LC50	Oncorhynchus mykiss (rainbow trout)	0.03 - < 0.19 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	static test EC50	Daphnia magna (Water flea)	0.033 - 0.044 mg/l	48 h

Safety Data Sheet

according to Hazard Communication Standard; 29 CFR 1910.1200

**DRANO LIQUID® DRAIN CLEANER**

Version 1.2

Print Date 03/04/2015

Revision Date 02/24/2015

SDS Number 350000004298

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
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	EC50	Skeletonema costatum	0.095 mg/l	72 h
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

Safety Data Sheet

according to Hazard Communication Standard; 29 CFR 1910.1200



DRANO LIQUID® DRAIN CLEANER

Version 1.2

Print Date 03/04/2015

Revision Date 02/24/2015

SDS Number 350000004298

Component	Bioconcentration factor (BCF)	Partition Coefficient n-Octanol/water (log)
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 1.2

Print Date 03/04/2015

Revision Date 02/24/2015

SDS Number 350000004298

	Land transport	Sea transport	Air transport
UN number	1760	1760	1760
UN proper shipping name	UN 1760 CORROSIVE LIQUID, N.O.S (Sodium hypochlorite), 8, III	UN 1760 CORROSIVE LIQUID, N.O.S (Sodium hypochlorite), 8, III	UN 1760 CORROSIVE LIQUID, N.O.S (Sodium hypochlorite), 8, III
Transport hazard class(es)	8	8	8
Packing group	III	III	III
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.

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 1.2

Print Date 03/04/2015

Revision Date 02/24/2015

SDS Number 350000004298

16. OTHER INFORMATION

HMIS Ratings

Health	3
Flammability	0
Reactivity	0

NFPA Ratings

Health	3
Fire	0
Reactivity	0
Special	-

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)
-------------	--

Safety Data Sheet

according to Hazard Communication Standard; 29 CFR 1910.1200



DRANO LIQUID® DRAIN CLEANER

Version 1.2

Print Date 03/04/2015

Revision Date 02/24/2015

SDS Number 350000004298