

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).

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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

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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.

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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.

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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

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- 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

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- 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

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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 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 |

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| | | | | |
|------------------|---------------------|----------------------------|-----------------------|------|
| 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

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| 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.

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| | 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.

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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) |
|-------------|--|

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