1. PRODUCT AND COMPANY IDENTIFICATION

Product information
Trade name: DRANO® FOAM DUAL FORCE® 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 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

Emergency Overview
Appearance / Odor: clear / liquid / characteristic
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.
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:

<table>
<thead>
<tr>
<th>Chemical Name</th>
<th>CAS-No.</th>
<th>Weight percent</th>
</tr>
</thead>
<tbody>
<tr>
<td>Sodium hypochlorite</td>
<td>7681-52-9</td>
<td>1.00 - 5.00</td>
</tr>
<tr>
<td>Hydrogen Peroxide</td>
<td>7722-84-1</td>
<td>0.10 - 1.00</td>
</tr>
</tbody>
</table>

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.

**Further information**: Wear full protective clothing and positive pressure self-contained breathing apparatus. In case of fire and/or explosion do not breathe fumes.

**Flash point**: Note: no data available

**Lower explosion limit**: Note: no data available
Upper explosion limit : Note: no data available

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.

8. EXPOSURE CONTROLS/PERSONAL PROTECTION

Occupational Exposure Limits

<table>
<thead>
<tr>
<th>Components</th>
<th>CAS-No.</th>
<th>mg/m3</th>
<th>ppm</th>
<th>Non-standard units</th>
<th>Basis</th>
</tr>
</thead>
<tbody>
<tr>
<td>Hydrogen Peroxide</td>
<td>7722-84-1</td>
<td>1.4 mg/m3</td>
<td>1 ppm</td>
<td>-</td>
<td>OSHA TWA</td>
</tr>
<tr>
<td>Hydrogen Peroxide</td>
<td>7722-84-1</td>
<td>-</td>
<td>1 ppm</td>
<td>-</td>
<td>ACGIH TWA</td>
</tr>
</tbody>
</table>

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 : Use only with adequate ventilation.

Hand protection : Rubber gloves

Eye protection

Industrial setting : Wear splash-resistant Chemical goggles.

Household setting : Avoid contact with eyes.

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
Odor : characteristic
pH : > 12.9
Melting point : no data available
Boiling point : > 212 °F
Freezing point : no data available
Flash point : no data available
Evaporation rate : no data available
Autoignition temperature : not applicable
Lower explosion limit : no data available
Upper explosion limit : no data available
**Material Safety Data Sheet**
according to ANSI Z400.1-2004 and 29 CFR 1910.1200

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Version 2.0  
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Revision Date 06/02/2011  
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SITE_FORM Number 30000000000003919.001

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**Vapour pressure**: no data available

**Density**: 1.08 g/cm³

**Water solubility**: completely soluble

**Partition coefficient: n-octanol/water**: no data available

**Viscosity, dynamic**: not applicable

**Volatile Organic Compounds (California Air Resource Board – CARB)**: 0 % - does not include any applicable regulatory exemptions

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**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)

14. TRANSPORT INFORMATION

Land transport
- U.S. DOT and Canadian TDG Surface Transportation:
  Proper shipping name: UN 1760 Corrosive Liquid, N.O.S.
  Class: 8
  UN number: 1760
  Packaging group: III
  Note: Limited quantities derogation may be applicable to this product, please check transport documents.

Sea transport
- IMDG:
Material Safety Data Sheet  
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Proper shipping name  
UN 1760 Corrosive Liquid, N.O.S.

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.

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.

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 |
Material Safety Data Sheet
according to ANSI Z400.1-2004 and 29 CFR 1910.1200

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Fire 0
Reactivity 0
Special

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