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

DRANO® MAX GEL CLOG REMOVER

Version 1.1                      Print Date 08/27/2009
Revision Date 02/16/2009         MSDS Number 350000001605

1. PRODUCT AND COMPANY IDENTIFICATION

Product information
Trade name : DRANO® MAX GEL CLOG REMOVER
Use of the Substance/Preparation : Drain Cleaner
Company : S.C. Johnson & Son, Inc.
          1525 Howe Street
          Racine WI 53403-2236
Emergency telephone : 24 Hour Transport & Medical Emergency Phone (866) 231-5406
                      24 Hour International Emergency Phone (952) 852-4647

2. HAZARDS IDENTIFICATION

Emergency Overview
Appearance / Odor : Straw-Colored / liquid / slight chlorine

Immediate Concerns
: DANGER
  Corrosive
  CAUSES EYE AND SKIN BURNS
  May be harmful if swallowed. Avoid contact with skin, eyes and clothing. Avoid breathing vapors, mist or gas.

Potential Health Effects
Routes of exposure : Eye, Skin, Inhalation, Ingestion.

Eyes : Corrosive - causes irreversible eye damage.
       May cause blindness.

Skin : Corrosive to skin
       Causes skin burns.

Inhalation : May cause nose, throat, and lung irritation.

Ingestion : May be harmful if swallowed.
            Causes 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

<table>
<thead>
<tr>
<th>Chemical Name</th>
<th>CAS-No.</th>
<th>Weight %</th>
</tr>
</thead>
</table>


1/8
4. FIRST AID MEASURES

Eye contact : 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 if irritation develops and persists.

Inhalation : Remove to fresh air. If breathing is affected, get medical attention.

Ingestion : Do NOT induce vomiting. Drink 1 or 2 glasses of water. Never give anything by mouth to an unconscious person. Get medical attention immediately.

5. FIRE-FIGHTING MEASURES

Suitable extinguishing media : Alcohol foam, carbon dioxide, dry chemical, water fog

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 : Wear full protective clothing and positive pressure self-contained breathing apparatus.

Lower explosion limit : Note: no data available

Upper explosion limit : Note: no data available

6. ACCIDENTAL RELEASE MEASURES

Personal precautions : Use personal protective equipment.

Methods for cleaning up : Soak up with inert absorbent material.
Dike large spills.
Sweep up and shovel into suitable containers for disposal.
DRANO® MAX GEL CLOG REMOVER

Version 1.1  Print Date 08/27/2009
Revision Date 02/16/2009  MSDS Number 350000001605

7. HANDLING AND STORAGE

Handling
Advice on safe handling : Use only as directed.
KEEP OUT OF REACH OF CHILDREN AND PETS.
Avoid contact with skin, eyes and clothing.
Avoid breathing vapors, mist or gas.

Storage
Requirements for storage areas and containers : Keep in a dry, cool and well-ventilated place.
Keep container closed when not in use.

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>Basis</th>
</tr>
</thead>
<tbody>
<tr>
<td>Sodium hydroxide</td>
<td>1310-73-2</td>
<td>2</td>
<td>-</td>
<td>ACGIH Ceiling</td>
</tr>
<tr>
<td>Sodium hydroxide</td>
<td>1310-73-2</td>
<td>2</td>
<td>-</td>
<td>OSHA TWA</td>
</tr>
</tbody>
</table>

Personal protective equipment

Respiratory protection

Industrial setting : Substantial amounts of mist/vapors can be controlled with local exhaust ventilation or respiratory protection.
Household setting : Substantial amounts of mist/vapors can be controlled with local exhaust ventilation or respiratory protection.

Hand protection

Industrial setting : Wear suitable gloves.
Household setting : Wear suitable gloves.

Eye protection

Industrial setting : Wear splash-resistant Chemical goggles.
Household setting : not applicable

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

**DRANO® MAX GEL CLOG REMOVER**

<table>
<thead>
<tr>
<th>Version</th>
<th>1.1</th>
</tr>
</thead>
<tbody>
<tr>
<td>Revision Date</td>
<td>02/16/2009</td>
</tr>
<tr>
<td>Print Date</td>
<td>08/27/2009</td>
</tr>
<tr>
<td>MSDS Number</td>
<td>350000001605</td>
</tr>
</tbody>
</table>

**Industrial setting** : Protective footwear.

**Household setting** : Protective footwear.

**Hygiene measures** : Use only with adequate ventilation. Wash thoroughly after handling. Remove and wash contaminated clothing and gloves, including the inside, before re-use.

### 9. PHYSICAL AND CHEMICAL PROPERTIES

<table>
<thead>
<tr>
<th>Property</th>
<th>Value</th>
</tr>
</thead>
<tbody>
<tr>
<td>Form</td>
<td>liquid</td>
</tr>
<tr>
<td>Color</td>
<td>Straw-Colored</td>
</tr>
<tr>
<td>Odor</td>
<td>slight chlorine</td>
</tr>
<tr>
<td>pH</td>
<td>11.5 - 13.5</td>
</tr>
<tr>
<td>Melting point</td>
<td>no data available</td>
</tr>
<tr>
<td>Boiling point</td>
<td>212 °F</td>
</tr>
<tr>
<td>Freezing point</td>
<td>no data available</td>
</tr>
<tr>
<td>Evaporation rate</td>
<td>no data available</td>
</tr>
<tr>
<td>Autoignition temperature</td>
<td>no data available</td>
</tr>
<tr>
<td>Lower explosion limit</td>
<td>no data available</td>
</tr>
<tr>
<td>Upper explosion limit</td>
<td>no data available</td>
</tr>
<tr>
<td>Vapour pressure</td>
<td>no data available</td>
</tr>
<tr>
<td>Water solubility</td>
<td>completely soluble</td>
</tr>
<tr>
<td>Partition coefficient: n-octanol/water</td>
<td>no data available</td>
</tr>
<tr>
<td>Viscosity, dynamic</td>
<td>1,000 cps</td>
</tr>
<tr>
<td>Specific Gravity</td>
<td>1.1</td>
</tr>
</tbody>
</table>

### 10. STABILITY AND REACTIVITY

**Conditions to avoid** : None known.
Materials to avoid: Do not mix with acids or any other household products. May release dangerous gases (chlorine).
Avoid contact with: Ammonia Acids Rust remover.

Hazardous decomposition products: When exposed to fire, produces normal products of combustion.

Hazardous reactions: Stable

11. TOXICOLOGICAL INFORMATION

Acute oral toxicity: LD50 rat
Dose: > 5,000 mg/kg

Acute inhalation toxicity: no data available

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

Chronic effects
Carcinogenicity: no data available

Mutagenicity: no data available

Reproductive effects: no data available

Teratogenicity: no data available

Sensitisation: no data available

12. ECOLOGICAL INFORMATION

Ecotoxicity effects: Not Available

13. DISPOSAL CONSIDERATIONS

Industrial setting: Observe all applicable Federal, Provincial and State regulations and Local/Municipal ordinances regarding disposal.
Household setting : Dispose of in accordance with local regulations.
RCRA waste class : D002 (Corrosive Waste)
SCJ product category : LB: Liquid Bleach

14. TRANSPORT INFORMATION

Land transport

- **U.S. DOT and Canadian TDG Surface Transportation:**
  - UN-Number: 1760
  - Proper shipping name: Corrosive Liquid, N.O.S.
  - Class: 8
  - Packaging group: III

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

Sea transport

- **IMDG:**
  - Class: 8
  - Packaging group: III
  - Proper shipping name: Corrosive Liquid, N.O.S.
  - UN-Number: 1760

  **Note:** SC Johnson ships this product as "Limited Quantity" when the container quantity value is 1 Liter or less.

Air transport

- **ICAO/IATA:**
  - Class: 8
  - Packaging group: III
  - Proper shipping name: Corrosive Liquid, N.O.S.
  - UN/ID No.: UN 1760

  **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

Global Chemical Inventories

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.

: 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.

: 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

<p>| | |</p>
<table>
<thead>
<tr>
<th></th>
<th></th>
</tr>
</thead>
<tbody>
<tr>
<td>Health</td>
<td>3</td>
</tr>
<tr>
<td>Flammability</td>
<td>0</td>
</tr>
<tr>
<td>Reactivity</td>
<td>0</td>
</tr>
</tbody>
</table>

NFPA Ratings

<p>| | |</p>
<table>
<thead>
<tr>
<th></th>
<th></th>
</tr>
</thead>
<tbody>
<tr>
<td>Health</td>
<td>3</td>
</tr>
<tr>
<td>Fire</td>
<td>0</td>
</tr>
<tr>
<td>Reactivity</td>
<td>0</td>
</tr>
<tr>
<td>Special</td>
<td></td>
</tr>
</tbody>
</table>

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

---

**DRANO® MAX GEL CLOG REMOVER**

Version 1.1  
Revision Date 02/16/2009  
Print Date 08/27/2009  
MSDS Number 350000001605

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.

<table>
<thead>
<tr>
<th>Prepared by:</th>
<th>SC Johnson Global Safety Assessment &amp; Regulatory Affairs (GSARA)</th>
</tr>
</thead>
</table>

---

8/8