

# Material Safety Data Sheet

according to ANSI Z400.1- 2004 and 29 CFR 1910.1200



## DRANO® MAX GEL CLOG REMOVER

Version 1.

Print Date 02/16/2010

Revision Date 06/09/2009

MSDS Number 350000013008

### 1. PRODUCT AND COMPANY IDENTIFICATION

#### Product information

Trade name : DRANO® MAX GEL CLOG REMOVER

Use of the Substance/Preparation Company : Drain Cleaner  
: 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 : clear 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

| Chemical Name | CAS-No. | Weight % |
|---------------|---------|----------|
|---------------|---------|----------|

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|                     |           |                |
|---------------------|-----------|----------------|
| Water               | 7732-18-5 | 60.00 - 100.00 |
| Sodium hypochlorite | 7681-52-9 | 5.00 - 10.00   |
| Sodium hydroxide    | 1310-73-2 | 1.00 - 5.00    |
| Surfactant          | Mixture   | 1.00 - 5.00    |

### 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.
- Flash point : Note: does not flash
- Lower explosion limit : Note: not applicable
- Upper explosion limit : Note: not applicable

### 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.

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### 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

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

#### 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

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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

Form : liquid

Color : clear Straw-Colored

Odor : slight chlorine

pH : 11.5 - 13.5

Boiling point : 212 °F

Freezing point : no data available

Flash point : does not flash

Evaporation rate : no data available

Lower explosion limit : not applicable

Upper explosion limit : not applicable

Vapour pressure : no data available

Water solubility : completely soluble

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

Viscosity, dynamic : 500 cps

Specific Gravity : 1.1

VOC content excluding water : 0.060000 %

Percent volatile : no data available

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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  
Acids  
Rust remover.
- Hazardous decomposition products : Chlorine  
Sodium oxides  
No decomposition if used as directed.
- 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 rat  
Dose: estimated > 5,000 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

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#### 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.

#### 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.

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### 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.

### 16. OTHER INFORMATION

#### HMIS Ratings

|              |   |
|--------------|---|
| Health       | 3 |
| Flammability | 0 |
| Reactivity   | 0 |

#### NFPA Ratings

|            |   |
|------------|---|
| Health     | 3 |
| Fire       | 0 |
| Reactivity | 0 |
| Special    |   |

#### 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.

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