

# 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 02/23/2009

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 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 : 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
1-Tetradecanamine, N,N-dimethyl-, N-oxide	3332-27-2	1.00 - 5.00
Sodium hydroxide	1310-73-2	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.
- 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.

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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 : Straw-Colored

Odor : slight chlorine

pH : 11.5 - 13.5

Melting point : no data available

Boiling point : 212 °F

Freezing point : no data available

Evaporation rate : no data available

Autoignition temperature : no data available

Lower explosion limit : no data available

Upper explosion limit : no data available

Vapour pressure : no data available

Water solubility : completely soluble

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

Viscosity, dynamic : 1,000 cps

Specific Gravity : 1.1

#### 10. STABILITY AND REACTIVITY

Conditions to avoid : None known.

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- 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.

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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.

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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.  
: 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
Fire	0
Reactivity	0
Special	

#### Further information

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