

Material Safety Data Sheet

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



DRANO® MAX PROFESSIONAL STRENGTH GEL CLOG REMOVER

Version 1.2

Print Date 07/08/2010

Revision Date 09/17/2009

MSDS Number 350000001605
SITE_FORM Number
300000000000000003608.001

1. PRODUCT AND COMPANY IDENTIFICATION

Product information

Trade name : DRANO® MAX PROFESSIONAL STRENGTH GEL CLOG REMOVER

Use of the Substance/Mixture : 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 : natural colour / 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

Exposure routes : 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

Material Safety Data Sheet

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



DRANO® MAX PROFESSIONAL STRENGTH GEL CLOG REMOVER

Version 1.2

Print Date 07/08/2010

Revision Date 09/17/2009

MSDS Number 350000001605

SITE_FORM Number

300000000000000003608.001

3. COMPOSITION/INFORMATION ON INGREDIENTS

Chemical Name	CAS-No.	Weight percent
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.
- Lower explosion limit : Note: no data available
- Upper explosion limit : Note: no data available

6. ACCIDENTAL RELEASE MEASURES

- Personal precautions : Use personal protective equipment.

Material Safety Data Sheet

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



DRANO® MAX PROFESSIONAL STRENGTH GEL CLOG REMOVER

Version 1.2

Print Date 07/08/2010

Revision Date 09/17/2009

MSDS Number 350000001605

SITE_FORM Number
300000000000000003608.001

Methods for cleaning up : Soak up with inert absorbent material.
Dike large spills.
Sweep up and shovel into suitable containers for disposal.

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 ³	ppm	Basis
Sodium hydroxide	1310-73-2	2 mg/m ³	-	ACGIH Ceiling
Sodium hydroxide	1310-73-2	2 mg/m ³	-	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

Material Safety Data Sheet

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



DRANO® MAX PROFESSIONAL STRENGTH GEL CLOG REMOVER

Version 1.2

Print Date 07/08/2010

Revision Date 09/17/2009

MSDS Number 350000001605

SITE_FORM Number
30000000000000003608.001

Industrial setting : Wear splash-resistant Chemical goggles.

Household setting : not applicable

Skin and body protection

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 : natural colour

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

Material Safety Data Sheet

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



DRANO® MAX PROFESSIONAL STRENGTH GEL CLOG REMOVER

Version 1.2

Print Date 07/08/2010

Revision Date 09/17/2009

MSDS Number 350000001605

SITE_FORM Number
300000000000000003608.001

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
> 5,000 mg/kg
- Acute inhalation toxicity : no data available
- Acute dermal toxicity : LD50
> 2,000 mg/kg
- Chronic effects**
- Carcinogenicity : no data available
- Mutagenicity : no data available
- Reproductive effects : no data available
- Teratogenicity : no data available

12. ECOLOGICAL INFORMATION

- Ecotoxicity effects : no data available

Material Safety Data Sheet

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



DRANO® MAX PROFESSIONAL STRENGTH GEL CLOG REMOVER

Version 1.2

Print Date 07/08/2010

Revision Date 09/17/2009

MSDS Number 350000001605
SITE_FORM Number
300000000000000003608.001

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

Material Safety Data Sheet

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



DRANO® MAX PROFESSIONAL STRENGTH GEL CLOG REMOVER

Version 1.2

Print Date 07/08/2010

Revision Date 09/17/2009

MSDS Number 350000001605
SITE_FORM Number
300000000000000003608.001

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.
: 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

Material Safety Data Sheet

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



DRANO® MAX PROFESSIONAL STRENGTH GEL CLOG REMOVER

Version 1.2

Print Date 07/08/2010

Revision Date 09/17/2009

MSDS Number 350000001605
SITE_FORM Number
30000000000000003608.001

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)
--------------	--