



PRODUCT NAME: DRANO(R*) LIQUID DRAIN CLEANER

PRODUCT INFORMATION:

1. PRODUCT AND COMPANY IDENTIFICATION

SDS NUMBER: 350000004298

PRINT DATE: 03/06/2018

REVISION DATE: 08/16/2017

VERSION: 2.0

DRANO(R*) LIQUID DRAIN CLEANER

ACCORDING TO HAZARD COMMUNICATION STANDARD; 29 CFR 1910.1200

SAFETY DATA SHEET

A FAMILY COMPANY

SC JOHNSON

- 1. PRODUCT AND COMPANY IDENTIFICATION
- 2. HAZARDS IDENTIFICATION
- 3. COMPOSITION/INFORMATION ON INGREDIENTS
- 4. FIRST AID MEASURES
- 5. FIREFIGHTING MEASURES
- 6. ACCIDENTAL RELEASE MEASURES
- 7. HANDLING AND STORAGE
- 8. EXPOSURE CONTROL/PERSONAL PROTECTION
- 9. PHYSICAL AND CHEMICAL PROPERTIES
- 10. STABILITY AND REACTIVITY
- 11. TOXICOLOGICAL INFORMATION
- 12. ECOLOGICAL INFORMATION
- 13. DISPOSAL CONSIDERATIONS
- 14. TRANSPORT INFORMATION
- 15. REGULATORY INFORMATION
- 16. OTHER INFORMATION

Click the desired link below to jump directly to that section in the SDS.

SDS Table of Contents

Manufacturer Model Number(s):

Item Number(s): 201157

SDS Format: GHS-US

SDS Revision Date: 8/16/2017

Manufacturer: S.C. JOHNSON

Common Name: DRANO LIQUID DRAIN CLEANER

Close this window

SDS



RECOMMENDED USE: DRAIN CLEANER

RESTRICTIONS ON USE: USE ONLY AS DIRECTED ON LABEL

MANUFACTURER, IMPORTER, SUPPLIER:
S.C. JOHNSON & SON, INC.
1525 HOWE STREET
RACINE, WI 53403-2236

TELEPHONE: +1-800-558-5252

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



CLASSIFICATION OF THE SUBSTANCE OR MIXTURE:

GLOBALLY HARMONIZED SYSTEM (GHS) CLASSIFICATION:

HAZARD CLASSIFICATION	HAZARD CATEGORY	HAZARDS IDENTIFICATION
CORROSIVE TO METALS	CATEGORY 1	MAY BE CORROSIVE TO METALS.
SKIN CORROSION	CATEGORY 1	CAUSES SEVERE SKIN BURNS AND EYE DAMAGE.
SERIOUS EYE DAMAGE	CATEGORY 1	CAUSES SERIOUS EYE DAMAGE.

LABELLING:

HAZARD SYMBOLS: CORROSION

SIGNAL WORD: DANGER

HAZARD STATEMENTS:
MAY BE CORROSIVE TO METALS.
CAUSES SEVERE SKIN BURNS AND EYE DAMAGE.

PRECAUTIONARY STATEMENTS:
IF MEDICAL ADVICE IS NEEDED, HAVE PRODUCT CONTAINER OR LABEL AT HAND.

KEEP OUT OF REACH OF CHILDREN.

READ LABEL BEFORE USE.

IMMEDIATELY CALL A POISON CENTER/DOCTOR.

SPECIFIC TREATMENT (SEE SUPPLEMENTAL FIRST AID INSTRUCTIONS ON THIS LABEL).

IF INHALED:
REMOVE VICTIM TO FRESH AIR AND KEEP AT REST IN A POSITION COMFORTABLE FOR BREATHING.

IF ON SKIN (OR HAIR):
REMOVE/TAKE OFF IMMEDIATELY ALL CONTAMINATED CLOTHING. RINSE SKIN WITH WATER/SHOWER.

IF IN EYES:
RINSE CAUTIOUSLY WITH WATER FOR SEVERAL MINUTES. REMOVE CONTACT LENSES, IF PRESENT AND EASY TO DO. CONTINUE RINSING.

IF SWALLOWED: RINSE MOUTH. DO NOT INDUCE VOMITING.

WASH CONTAMINATED CLOTHING BEFORE REUSE.

ABSORB SPILLAGE TO PREVENT MATERIAL DAMAGE.

STORE LOCKED UP.

STORE IN CORROSIVE RESISTANT POLYPROPYLENE CONTAINER WITH A RESISTANT INNER LINER.

STORE IN CORROSIVE RESISTANT POLYETHYLENE CONTAINER WITH A RESISTANT INNER LINER.

STORE IN CORROSIVE RESISTANT STAINLESS STEEL CONTAINER WITH A RESISTANT INNER LINER.

STORE IN CORROSIVE RESISTANT ALUMINIUM CONTAINER WITH A RESISTANT INNER LINER.

DISPOSE OF CONTENTS/CONTAINER TO AN APPROVED INCINERATION PLANT.

KEEP ONLY IN ORIGINAL CONTAINER.

WEAR PROTECTIVE GLOVES.

DO NOT BREATHE DUST OR MIST.

WASH HANDS THOROUGHLY AFTER HANDLING.

OTHER HAZARDS: NONE IDENTIFIED

3. COMPOSITION/INFORMATION ON INGREDIENTS



CHEMICAL NAME	CAS-NO.	WEIGHT PERCENT
SODIUM HYPOCHLORITE	7681-52-9	1.00 - 5.00
SODIUM CHLORIDE	7647-14-5	1.00 - 5.00
SODIUM HYDROXIDE	1310-73-2	1.00 - 5.00
SODIUM SILICATE	1344-09-8	1.00 - 5.00

THE SPECIFIC CHEMICAL IDENTITY AND/OR EXACT PERCENTAGE (CONCENTRATION) OF THIS COMPOSITION HAS BEEN WITHHELD AS A TRADE SECRET.

FOR ADDITIONAL INFORMATION ON PRODUCT INGREDIENTS, SEE WWW.WHATSINSIDESCJOHNSON.COM.

4. FIRST AID MEASURES



DESCRIPTION OF FIRST AID MEASURES:

EYE CONTACT:

IF IN EYES:

RINSE CAUTIOUSLY WITH WATER FOR SEVERAL MINUTES. REMOVE CONTACT LENSES, IF PRESENT AND EASY TO DO. CONTINUE RINSING. IMMEDIATELY CALL A POISON CENTER/DOCTOR. GET MEDICAL ATTENTION IMMEDIATELY.

SKIN CONTACT:

IF ON SKIN (OR HAIR):

TAKE OFF IMMEDIATELY ALL CONTAMINATED CLOTHING. RINSE SKIN WITH WATER/SHOWER. WASH CONTAMINATED CLOTHING BEFORE REUSE. IMMEDIATELY

7. HANDLING AND STORAGE

top ▼

PERSONAL PRECAUTIONS:
 WEAR PERSONAL PROTECTIVE EQUIPMENT.
 WASH THOROUGHLY AFTER HANDLING.

ENVIRONMENTAL PRECAUTIONS:
 OUTSIDE OF NORMAL USE, AVOID RELEASE TO THE ENVIRONMENT.
 METHODS AND MATERIALS FOR CONTAINMENT AND CLEANING UP:
 DIKE LARGE SPILLS.
 CLEAN RESIDUE FROM SPILL SITE.
 ABSORB SPILLAGE TO PREVENT MATERIAL DAMAGE.

6. ACCIDENTAL RELEASE MEASURES

top ▼

SUITABLE EXTINGUISHING MEDIA:
 USE WATER SPRAY, ALCOHOL-RESISTANT FOAM, DRY CHEMICAL OR CARBON DIOXIDE.
 SPECIFIC HAZARDS DURING FIREFIGHTING:
 CONTAINER MAY MELT AND LEAK IN HEAT OF FIRE.
 SPECIAL PROTECTIVE EQUIPMENT FOR FIREFIGHTERS:
 WEAR SUITABLE PROTECTIVE CLOTHING AND GLOVES.
 FURTHER INFORMATION:
 WEAR FULL PROTECTIVE CLOTHING AND POSITIVE PRESSURE SELF-CONTAINED
 BREATHING APPARATUS. IN CASE OF FIRE AND/OR EXPLOSION DO NOT BREATHE FUMES.

5. FIREFIGHTING MEASURES

top ▼

CALL A POISON CENTER/DOCTOR.
 INHALATION:
 IF INHALED:
 IF BREATHING IS DIFFICULT, REMOVE VICTIM TO FRESH AIR AND KEEP AT REST IN A
 POSITION COMFORTABLE FOR BREATHING.
 INGESTION:
 IF SWALLOWED: RINSE MOUTH. DO NOT INDUCE VOMITING.
 MOST IMPORTANT SYMPTOMS AND EFFECTS, BOTH ACUTE AND DELAYED:
 EYES: CAUSES SERIOUS EYE DAMAGE.
 SKIN EFFECT:
 CAUSES SEVERE SKIN BURNS.
 NO ADVERSE EFFECTS EXPECTED WHEN USED AS DIRECTED.
 INHALATION: MAY CAUSE RESPIRATORY TRACT IRRITATION.
 INGESTION:
 CAUSES DIGESTIVE TRACT BURNS.
 NO ADVERSE EFFECTS EXPECTED WHEN USED AS DIRECTED.
 INDICATION OF ANY IMMEDIATE MEDICAL ATTENTION AND SPECIAL TREATMENT NEEDED:
 SEE DESCRIPTION OF FIRST AID MEASURES UNLESS OTHERWISE STATED.

PRECAUTIONS FOR SAFE HANDLING:
AVOID CONTACT WITH SKIN, EYES AND CLOTHING.
FOR PERSONAL PROTECTION SEE SECTION 8.
USE ONLY AS DIRECTED.
KEEP OUT OF REACH OF CHILDREN AND PETS.
AVOID BREATHING VAPOURS, MIST OR GAS.
WASH THOROUGHLY AFTER HANDLING.

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.

STORE LOCKED UP.

STORE IN ORIGINAL CONTAINER.

STORE IN CORROSIVE RESISTANT ALUMINIUM CONTAINER WITH A RESISTANT INNER LINER.

8. EXPOSURE CONTROLS/PERSONAL PROTECTION

 top

OCCUPATIONAL EXPOSURE LIMITS:

COMPONENTS	CAS-NO.	MG/M3	PPM	NON-STANDARD UNITS	BASIS
SODIUM HYDROXIDE	1310-73-2	2 MG/M3			OSHA TWA
SODIUM HYDROXIDE	1310-73-2	2 MG/M3			ACGIH CEILING

PERSONAL PROTECTIVE EQUIPMENT:

RESPIRATORY PROTECTION:
USE ONLY WITH ADEQUATE VENTILATION.

SUBSTANTIAL AMOUNTS OF MIST/VAPORS CAN BE CONTROLLED WITH LOCAL EXHAUST VENTILATION OR RESPIRATORY PROTECTION.

HAND PROTECTION: RUBBER GLOVES

EYE PROTECTION: WEAR SPLASH-RESISTANT CHEMICAL GOGGLES.

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

 top

FORM: LIQUID

COLOR: CLEAR

ODOUR: ODOURLESS

ODOUR THRESHOLD: TEST NOT APPLICABLE FOR THIS PRODUCT TYPE

PH: 11.5 - 13.4

MELTING POINT/FREEZING POINT: 32 DEG. F

INITIAL BOILING POINT AND BOILING RANGE: >93 DEG. C

FLASH POINT: DOES NOT FLASH

EVAPORATION RATE: TEST NOT APPLICABLE FOR THIS PRODUCT TYPE

FLAMMABILITY (SOLID, GAS): TEST NOT APPLICABLE FOR THIS PRODUCT TYPE

UPPER/LOWER FLAMMABILITY OR EXPLOSIVE LIMITS:
TEST NOT APPLICABLE FOR THIS PRODUCT TYPE

VAPOUR PRESSURE: TEST NOT APPLICABLE FOR THIS PRODUCT TYPE

VAPOUR DENSITY: NO DATA AVAILABLE

| RELATIVE DENSITY: 1.09 G/CM3 AT 25 DEG. C

SOLUBILITY(IES): COMPLETELY SOLUBLE

PARTITION COEFFICIENT N-OCTANOL/WATER: NOT APPLICABLE

AUTO-IGNITION TEMPERATURE: TEST NOT APPLICABLE FOR THIS PRODUCT TYPE

DECOMPOSITION TEMPERATURE: TEST NOT APPLICABLE FOR THIS PRODUCT TYPE

VISCOSITY, DYNAMIC: <10 MPA.S

VISCOSITY, KINEMATIC: TEST NOT APPLICABLE FOR THIS PRODUCT TYPE

OXIDIZING PROPERTIES: TEST NOT APPLICABLE FOR THIS PRODUCT TYPE

VOLATILE ORGANIC COMPOUNDS TOTAL VOC (WT. %)*:
0 % - ADDITIONAL EXEMPTIONS MAY APPLY

*AS DEFINED BY US FEDERAL AND STATE CONSUMER PRODUCT REGULATIONS

OTHER INFORMATION: NONE IDENTIFIED

10. STABILITY AND REACTIVITY

 top

REACTIVITY: NO DANGEROUS REACTION KNOWN UNDER CONDITIONS OF NORMAL USE.

CHEMICAL STABILITY: STABLE UNDER RECOMMENDED STORAGE CONDITIONS.

POSSIBILITY OF HAZARDOUS REACTIONS:
IF ACCIDENTAL MIXING OCCURS AND TOXIC GAS IS FORMED, EXIT AREA IMMEDIATELY.
DO NOT RETURN UNTIL WELL VENTILATED.

CONDITIONS TO AVOID: DIRECT SOURCES OF HEAT.

INCOMPATIBLE MATERIALS:
DO NOT MIX WITH BLEACH OR ANY OTHER HOUSEHOLD CLEANERS.
STRONG BASES

HAZARDOUS DECOMPOSITION PRODUCTS:
THERMAL DECOMPOSITION CAN LEAD TO RELEASE OF IRRITATING GASES AND VAPOURS.

11. TOXICOLOGICAL INFORMATION

 top

ACUTE ORAL TOXICITY:
LD50: >5000 MG/KG

ACUTE INHALATION TOXICITY:
LC50: >10 MG/L

ACUTE DERMAL TOXICITY:
LD50: >5000 MG/KG

GHS PROPERTIES	CLASSIFICATION	ROUTES OF ENTRY
ACUTE TOXICITY	NO CLASSIFICATION PROPOSED	ORAL
ACUTE TOXICITY	NO CLASSIFICATION PROPOSED	DERMAL
ACUTE TOXICITY	NO CLASSIFICATION PROPOSED	INHALATION - DUST AND MIST
ACUTE TOXICITY	NO CLASSIFICATION PROPOSED	INHALATION - VAPOUR
ACUTE TOXICITY	NO CLASSIFICATION PROPOSED	INHALATION - GAS
SKIN CORROSION	CATEGORY 1	
SERIOUS EYE DAMAGE	CATEGORY 1	
SKIN SENSITISATION	NO CLASSIFICATION PROPOSED	
RESPIRATORY SENSITISATION	NO CLASSIFICATION PROPOSED	
GERM CELL MUTAGENICITY	NO CLASSIFICATION PROPOSED	
CARCINOGENICITY	NO CLASSIFICATION PROPOSED	
REPRODUCTIVE TOXICITY	NO CLASSIFICATION PROPOSED	
SPECIFIC TARGET ORGAN TOXICITY - SINGLE EXPOSURE	NO CLASSIFICATION PROPOSED	
SPECIFIC TARGET ORGAN TOXICITY - REPEATED EXPOSURE	NO CLASSIFICATION PROPOSED	
ASPIRATION HAZARD	NO CLASSIFICATION PROPOSED	

AGGRAVATED MEDICAL CONDITION:
INDIVIDUALS WITH CHRONIC RESPIRATORY DISORDERS SUCH AS ASTHMA, CHRONIC
BRONCHITIS, EMPHYSEMA, ETC. MAY BE MORE SUSCEPTIBLE TO IRRITATING EFFECTS

12. ECOLOGICAL INFORMATION

 top

PRODUCT: THE PRODUCT ITSELF HAS NOT BEEN TESTED.

TOXICITY:
THE INGREDIENTS IN THIS FORMULA HAVE BEEN REVIEWED AND NO ADVERSE IMPACT TO
THE ENVIRONMENT IS EXPECTED WHEN USED ACCORDING TO LABEL DIRECTIONS.

TOXICITY TO FISH:

COMPONENTS	END POINT	SPECIES	VALUE	EXPOSURE TIME
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COMPONENT	BIODEGRADATION	EXPOSURE TIME	SUMMARY
SODIUM HYDROXIDE	NO DATA AVAILABLE		
SODIUM CHLORIDE	NO DATA AVAILABLE		
SODIUM HYPOCHLORITE	NO DATA AVAILABLE		
PERSISTENCE AND DEGRADABILITY:			
SODIUM SILICATE	EC50	>345.4 MG/L	72 H
SODIUM HYDROXIDE	NO DATA AVAILABLE		
SODIUM CHLORIDE	IC50	3,014 MG/L	72 H
SODIUM HYPOCHLORITE	ERC50	0.0499 MG/L	
TOXICITY TO AQUATIC PLANTS:			
SODIUM SILICATE	STATIC TEST EC50	1,700 MG/L	48 H
SODIUM HYDROXIDE	EC50	40.4 MG/L	48 H
	NOEC	314 MG/L	21 D
SODIUM CHLORIDE	STATIC TEST EC50	340.7 - 469.2 MG/L	48 H
SODIUM HYPOCHLORITE	EC50	0.035 MG/L	48 H
TOXICITY TO AQUATIC INVERTEBRATES:			
SODIUM SILICATE	LC50	260 - 310 MG/L	96 H
SODIUM HYDROXIDE	LC50	35 - 189 MG/L	96 H
	NOEC	252 MG/L	33 D
SODIUM CHLORIDE	FLOW-THROUGH TEST LC50	5,840 MG/L	96 H
	NOEC	0.01 - <0.1 MG/L	28 D
SODIUM HYPOCHLORITE	LC50	0.06 MG/L	96 H

SODIUM SILICATE NO DATA AVAILABLE

BIOACCUMULATIVE POTENTIAL:

COMPONENT	BIOCONCENTRATION FACTOR (BCF)	PARTITION COEFFICIENT N-OCTANOL/WATER (LOG)
SODIUM HYPOCHLORITE	NO DATA AVAILABLE	-3.42
SODIUM CHLORIDE	1.09 QSAR	0.54
SODIUM HYDROXIDE	0.89 ESTIMATED	-1.38
SODIUM SILICATE	NO DATA AVAILABLE	NO DATA AVAILABLE

MOBILITY:

COMPONENT	END POINT	VALUE
SODIUM HYPOCHLORITE	NO DATA AVAILABLE	
SODIUM CHLORIDE	NO DATA AVAILABLE	
SODIUM HYDROXIDE	NO DATA AVAILABLE	
SODIUM SILICATE	NO DATA AVAILABLE	

PBT AND VPVB ASSESSMENT:

COMPONENT	RESULTS
SODIUM HYPOCHLORITE	NOT FULFILLING PBT AND VPVB CRITERIA
SODIUM CHLORIDE	NOT FULFILLING PBT AND VPVB CRITERIA
SODIUM HYDROXIDE	NOT FULFILLING PBT AND VPVB CRITERIA
SODIUM SILICATE	NOT FULFILLING PBT AND VPVB CRITERIA

OTHER ADVERSE EFFECTS: NONE KNOWN.

13. DISPOSAL CONSIDERATIONS



CONSUMER MAY DISCARD EMPTY CONTAINER IN TRASH, OR RECYCLE WHERE FACILITIES EXIST.

14. TRANSPORT INFORMATION



PLEASE REFER TO THE BILL OF LADING/RECEIVING DOCUMENTS FOR UP-TO-DATE SHIPPING INFORMATION.

	LAND TRANSPORT	SEA TRANSPORT	AIR TRANSPORT
UN NUMBER	1760	1760	1760
UN PROPER SHIPPING NAME	CORROSIVE LIQUID, N.O.S (SODIUM HYPOCHLORITE)	CORROSIVE LIQUID, N.O.S (SODIUM HYPOCHLORITE)	CORROSIVE LIQUID, N.O.S (SODIUM HYPOCHLORITE)
TRANSPORT HAZARD CLASS (ES)	8	8	8
PACKING GROUP	III	III	III

ENVIRONMENTAL
HAZARDS

SPECIAL PRECAUTIONS FOR USER	LIMITED QUANTITIES DEROGATION MAY BE APPLICABLE TO THIS PRODUCT, PLEASE CHECK TRANSPORT DOCUMENTS.	LIMITED QUANTITIES DEROGATION MAY BE APPLICABLE TO THIS PRODUCT, PLEASE CHECK TRANSPORT DOCUMENTS.	LIMITED QUANTITIES DEROGATION MAY BE APPLICABLE TO THIS PRODUCT, PLEASE CHECK TRANSPORT DOCUMENTS.
TRANSPORT IN BULK ACCORDING TO ANNEX II OF MARPOL 73/78 AND THE IBC CODE	PRODUCT NOT TRANSPORTED AS BULK.	PRODUCT NOT TRANSPORTED AS BULK.	PRODUCT NOT TRANSPORTED AS BULK.

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 DOES NOT CONTAIN ANY CHEMICALS KNOWN TO STATE OF CALIFORNIA TO CAUSE CANCER, BIRTH DEFECTS, OR ANY OTHER REPRODUCTIVE HARM.

16. OTHER INFORMATION



HMIS RATINGS:

HEALTH 3
FLAMMABILITY 0
REACTIVITY 0

NFPA RATINGS:

HEALTH 3
FIRE 0
REACTIVITY 0
SPECIAL

THIS INFORMATION IS BEING PROVIDED IN ACCORDANCE WITH THE OCCUPATIONAL SAFETY AND HEALTH ADMINISTRATION (OSHA) REGULATION (29 CFR 1910.1200). THE INFORMATION SUPPLIED IS DESIGNED FOR WORKPLACES WHERE PRODUCT USE AND FREQUENCY OF EXPOSURE EXCEEDS THAT ESTABLISHED FOR THE LABELED CONSUMER USE.

FURTHER INFORMATION:

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PREPARED BY:

