Safety Data Sheet

According to Australian CoP Preparation of Safety Data Sheets for Hazardous Chemicals, Feb 2016 and New Zealand HSNO CoP 8-1 09-06

Drano Max Gel (liquid)

Version *1*.1 Print Date 07.10.2022

Revision Date 03.05.2018 SDS Number 350000005538

1. PRODUCT AND COMPANY IDENTIFICATION

Product identifier : **Drano Max Gel (liquid)**

Other means of Identification : 350000005538

Recommended use : Drain Cleaner

Restrictions on use : Use only as directed on label

Australia : S.C. Johnson & Son Pty. Ltd.
ABN 71. 000 021 009
160 Epping Road, Lane Cove, N.S.W. 2066. Australia
Telephone: +61 2 9428 9111

New Zealand : S.C. Johnson & Son Pty. Ltd
79 Queen Street
Auckland 1010
New Zealand
Telephone: +64 9 573 2850

Emergency telephone numbers : Australia: (8:30am – 17:30pm Mon-Thurs, 8:30am – 17:00pm Fri AEST) +61 2 9428 9111
New Zealand: (9:00am – 14:00pm Mon-Fri NZDT) +64 9 573 2850

Poison Information Contacts : Australia: 13 11 26
New Zealand : 0800 764 766 or 0800 POISON

2. HAZARDS IDENTIFICATION

Classification of the substance or mixture

Statement of Hazardous Nature (Australia)

Globally Harmonized System (GHS) Classification

Hazard classification	Hazard category	Hazards identification
Skin corrosion	Category 1	Causes severe skin burns and eye damage.
Serious eye damage	Category 1	Causes serious eye damage.
Acute aquatic toxicity	*Category 1* *	Very toxic to aquatic life.

Chronic aquatic toxicity	*Category 2 **	Toxic to aquatic life with long lasting effects.

* *Classification not adopted by Australia*
^ *Classification only triggered in Australia if 'Schedule 6 of WHS Regulations' met. Contact SCJ Consumer Advice number listed on product label if required.*

Statement of Hazardous Nature (New Zealand)

HSNO Classification (NZ): : 8.2B, 8.3A
9.1A

Labelling - Australia **

Hazard symbols


Corrosion
Environment

Signal word
Danger

Hazard statements
(H314) Causes severe skin burns and eye damage.
(H410) Very toxic to aquatic life with long lasting effects.

Precautionary statements
(P101) If medical advice is needed, have product container or label at hand.
(P102) Keep out of reach of children.
(P310) Immediately call a POISON CENTER/doctor.
(P304 + P340) IF INHALED: Remove victim to fresh air and keep at rest in a position comfortable for breathing.
(P303 + P361 + P353) IF ON SKIN (or hair): Remove/ Take off immediately all contaminated clothing. Rinse skin with water/ shower.

(P305 + P351 + P338) IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.
(P301 + P330 + P331) IF SWALLOWED: Rinse mouth. Do NOT induce vomiting.
(P405) Store locked up.
(P501) Dispose of contents/ container to an approved incineration plant.
(P280) Wear protective gloves.
(P260) Do not breathe spray.
(P264) Wash hands thoroughly after handling.
Other hazards : None identified

** The information supplied is designed for products predominately used in workplaces; whereas consumer product labels comply with the Standard for the Uniform Scheduling of Medicines and Poisons (SUSMP) labelling requirements, under The Australian CoP Labelling of Workplace Hazardous Chemicals (March 2015).

Labelling- New Zealand

Refer Australian labelling above.

3. COMPOSITION/INFORMATION ON INGREDIENTS

Chemical name	CAS-No.	Weight percent
Sodium hypochlorite	7681-52-9	5.00 - 10.00
Sodium hydroxide	1310-73-2	1.00 - 5.00
Alkyl dimethyl, Amine N-oxide	68955-55-5	0.50 - 1.00
Lauryl dimethyl amine oxide	1643-20-5	0.10 - 0.50
Other non-hazardous ingredients	various	Balance to 100

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 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

Indication of any immediate medical attention and special treatment needed	:	See Description of first aid measures unless otherwise stated.

5. FIREFIGHTING MEASURES

Suitable extinguishing media	:	Use water spray, alcohol-resistant foam, dry chemical or carbon dioxide.
Specific hazards arising from substance	:	Container may melt and leak in heat of fire.
Special protective equipment and precautions for fire fighters	:	Wear full protective clothing and positive pressure self-contained breathing apparatus. In case of fire and/or explosion do not breathe fumes.
Hazchem Code	:	2X

6. ACCIDENTAL RELEASE MEASURES

Personal precautions, protective equipment and emergency procedures	:	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.

7. HANDLING AND STORAGE

Handling

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.

8. EXPOSURE CONTROLS/PERSONAL PROTECTION

Control Parameters

Components	CAS-No.	mg/m3	ppm	Non-standard units	Basis
Sodium hydroxide	1310-73-2	2 mg/m3	-	-	AU_OESCEIL
Sodium hydroxide	1310-73-2	2 mg/m3	-	-	NZ_WELCEIL

Personal protective equipment

Respiratory protection : 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

Form	:	liquid
Color	:	light yellow
Odor	:	Bleach
Odour Threshold	:	No data available
pH	:	13 - 13.8
Melting point/freezing point	:	No data available
Initial boiling point and boiling range	:	No data available
Flash point	:	No data available
Evaporation rate	:	No data available
Flammability (solid, gas)	:	No data available
Upper/lower flammability or explosive limits	:	No data available
Vapour pressure	:	No data available
Vapour density	:	No data available

Relative density	:	1.1 - 1.105 g/cm3 at 20 °C
Solubility(ies)	:	soluble
Partition coefficient: n-octanol/water	:	No data available
Auto-ignition temperature	:	No data available
Decomposition temperature	:	No data available
Viscosity, dynamic	:	1,200 - 1,400 cps at 20 °C Method: No information available.
Viscosity, kinematic	:	No data available
Oxidizing properties	:	No data available
Other information	:	None identified :

10. STABILITY AND REACTIVITY

Reactivity	:	Do not mix with bleach or any other household cleaners.
Chemical stability	:	No decomposition if stored normally.
Possibility of hazardous	:	If accidental mixing occurs and toxic gas is formed, exit area

reactions 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
None known.

Hazardous decomposition products : Thermal decomposition can lead to release of irritating gases and vapours.

11. TOXICOLOGICAL INFORMATION

Acute oral toxicity : LD50 > 5000 mg/kg

Acute inhalation toxicity : LC50 > 5.1 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 : None known.

* *Classification not adopted by Australia*
^ *Classification only triggered in Australia if 'Schedule 6 of WHS Regulations' met. Contact SCJ Consumer Advice number listed on product label if required.*

12. ECOLOGICAL INFORMATION

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
Sodium hypochlorite	LC50 NOEC	Fish	0.06 mg/l 0.01 - < 0.1 mg/l	96 h 28 d
Sodium hydroxide	LC50	Fish	35 - 189 mg/l	96 h
Alkyl dimethyl, Amine N-oxide	semi-static test LC50 Measured NOEC Read-across (Analogy)	Oncorhynchus mykiss (rainbow trout) Pimephales promelas (fathead minnow)	1.26 mg/l 0.495 mg/l	96 h 15 d
Lauryl dimethyl amine oxide	semi-static test LC50 flow-through test NOEC Read-across (Analogy)	Danio rerio (zebra fish) Pimephales promelas (fathead minnow)	31.8 mg/l 0.42 mg/l	96 h 302 d

Toxicity to aquatic invertebrates

Components	End point	Species	Value	Exposure time
Sodium hypochlorite	EC50	Ceriodaphnia dubia	0.035 mg/l	48 h
Sodium hydroxide	EC50	Daphnia magna (Water flea)	40.4 mg/l	48 h
Alkyl dimethyl, Amine N-oxide	static test EC50 NOEC Read-	Daphnia magna (Water flea) Daphnia magna	2.4 mg/l 0.7 mg/l	48 h 21 d

	across (Analogy)			
Lauryl dimethyl amine oxide	static test EC50	Daphnia magna (Water flea)	3.9 mg/l	48 h
	flow-through test NOEC Read-across (Analogy)	Daphnia magna (Water flea)	0.7 mg/l	21 d

Toxicity to aquatic plants

Components	End point	Species	Value	Exposure time
Sodium hypochlorite	ErC50	Pseudokirchneriella subcapitata (green algae)	0.0499 mg/l	
Sodium hydroxide	No data available			
Alkyl dimethyl, Amine N-oxide	ErC50 Measured	Desmodesmus subspicatus (green algae)	0.8 mg/l	72 h
Lauryl dimethyl amine oxide	static test EC50	Pseudokirchneriella subcapitata (green algae)	0.2 mg/l	72 h

Persistence and degradability

Component	Biodegradation	Exposure time	Summary
Sodium hypochlorite	No data available		
Sodium hydroxide	No data available		
Alkyl dimethyl, Amine N-oxide	> 80 %	28 d	Readily biodegradable.
Lauryl dimethyl amine oxide	96 %	19 d	

Bioaccumulative potential

Component	Bioconcentration factor (BCF)	Partition Coefficient n-Octanol/water (log)
Sodium hypochlorite	No data available	-3.42
Sodium hydroxide	0.89 estimated	-1.38
Alkyl dimethyl, Amine N-oxide	No data available	2.69
Lauryl dimethyl amine oxide	> 87	< 2.7

Mobility

Component	End point	Value
Sodium hypochlorite	No data available	
Sodium hydroxide	No data available	
Alkyl dimethyl, Amine N-oxide	Koc	> 619
Lauryl dimethyl amine oxide	Koc	> 2113 Calculated

PBT and vPvB assessment

Component	Results
Sodium hypochlorite	Not fulfilling PBT and vPvB criteria
Sodium hydroxide	Not fulfilling PBT and vPvB criteria
Alkyl dimethyl, Amine N-oxide	Not fulfilling PBT and vPvB criteria
Lauryl dimethyl amine oxide	Not fulfilling PBT and vPvB criteria

Other adverse effects : Very toxic to aquatic organisms.

13. DISPOSAL CONSIDERATIONS

Safe handling and disposal methods : Consumer may discard empty container in trash, or recycle where facilities exist.

Disposal of any contaminated packaging : Do not re-use empty containers.

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	3266	3266	3266
UN proper shipping name	UN 3266 CORROSIVE LIQUID, BASIC, INORGANIC, N.O.S. (sodium hydroxide, hypochlorite), 8, II	UN 3266 CORROSIVE LIQUID, BASIC, INORGANIC, N.O.S. (sodium hydroxide, hypochlorite), 8, II	UN 3266 CORROSIVE LIQUID, BASIC, INORGANIC, N.O.S. (sodium hydroxide, hypochlorite), 8, II
Transport hazard class(es)	8	8	8
Packing group	II	II	II
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.

Hazchem Code : 2X

§ ***Land transport***: *Classification based on UN Recommendations on the Transport of Dangerous Goods. Local regulations under the Australian Dangerous Goods Code (ADG) and/or the New Zealand Land Transport Rule Dangerous Goods should be applied prior to transportation of goods.*

15. REGULATORY INFORMATION

Drano Max Gel (liquid)

Poisons Schedule (Australia):	:	S5
HSNO Classification (NZ):	:	8.2B, 8.3A 9.1A
HSNO Approval Number (NZ):	:	Cleaning Products (Corrosive) Group Standard 2017 - HSR002526

16. OTHER INFORMATION

Revision Date: 03.05.2018

Key abbreviations or acronyms used

ADG: The Australian Code for the Transport of Dangerous Goods by Road and Rail

NZ LTR: The New Zealand Land Transport Rule: Dangerous Goods 2005

HSNO: Hazardous Substances and New Organisms Act 1996 (New Zealand)

IATA: International Air Transport Association

IMDG: International Maritime Dangerous Goods

SUSMP: Standard for the Uniform Scheduling of Medicines and Poisons (Australia)

Further information

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