

Safety Data Sheet

According to Australian CoP Preparation of Safety Data Sheets for Hazardous Chemicals, Jul 2020 and New Zealand HSNO



Mr Muscle Drain Crystals

Version 1.2

Print Date 22.11.2023

Revision Date 16.03.2023

SDS Number 350000032620

GEN_SOF Number 57819

1. PRODUCT AND COMPANY IDENTIFICATION

Product identifier	: Mr Muscle Drain Crystals
Other means of Identification	: 350000032620
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
Acute toxicity	Category 5 *	May be harmful if swallowed.
Skin corrosion	Category 1B	Causes severe skin burns and eye damage.
Serious eye damage	Category 1	Causes serious eye damage.

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^ 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)

Labelling - Australia **

Hazard symbols



Corrosion

Signal word

Danger

Hazard statements

(H303) May be harmful if swallowed.

(H314) Causes severe skin burns and eye damage.

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.

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(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 hydroxide	1310-73-2	50.00 - 75.00
Sodium nitrate	7631-99-4	20.00 - 30.00
Sodium chloride	7647-14-5	10.00 - 20.00
Aluminum	7429-90-5	1.00 - 5.00
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.

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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.

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.

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 : Sweep up and shovel into suitable containers for disposal. 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.

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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 : 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
Aluminum	7429-90-5	10 mg/m3	-	-	AU_OESTWAS
Aluminum	7429-90-5	5 mg/m3	-	-	AU_OESTWAS
Aluminum	7429-90-5	10 mg/m3	-	-	NZ_WELTWA

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.

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9. PHYSICAL AND CHEMICAL PROPERTIES

Form	:	solid
Color	:	natural colour
Odor	:	Functional
Odour Threshold	:	Test not applicable for this product type
pH	:	Test not applicable for this product type
Melting point/freezing point	:	Test not applicable for this product type
Initial boiling point and boiling range	:	Test not applicable for this product type
Flash point	:	Test not applicable for this product type
Evaporation rate	:	Test not applicable for this product type
Flammability (solid, gas)	:	Does not sustain combustion.
Upper/lower flammability or explosive limits	:	Test not applicable for this product type
Vapour pressure	:	Test not applicable for this product type
Vapour density	:	
Relative density	:	Test not applicable for this product type

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Solubility(ies)	:	soluble	:
Partition coefficient: n-octanol/water	:	Test not applicable for this product type	:
Auto-ignition temperature	:	Test not applicable for this product type	:
Decomposition temperature	:	Test not applicable for this product type	:
Viscosity, dynamic	:	Test not applicable for this product type	:
Viscosity, kinematic	:	Test not applicable for this product type	:
Oxidizing properties	:	Test not applicable for this product type	:
Other information	:	None identified	:

10. STABILITY AND REACTIVITY

Reactivity	:	No dangerous reaction known under conditions of normal use.
Chemical stability	:	No decomposition if stored normally.
Possibility of hazardous reactions	:	Stable under recommended storage conditions.
Conditions to avoid	:	Direct sources of heat.
Incompatible materials	:	None known.

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

11. TOXICOLOGICAL INFORMATION

Acute oral toxicity : LD50 3352 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	Category 5 *	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 1B	-
Serious eye damage	Category 1	-
Skin sensitisation [^]	No classification proposed	-
Respiratory sensitisation [^]	No classification proposed	-
Germ cell mutagenicity	No classification proposed	-

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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 hydroxide	LC50	Fish	35 - 189 mg/l	96 h
Sodium nitrate	static test LC50 NOEC	Oncorhynchus mykiss (rainbow trout) Pimephales promelas (fathead minnow)	994.4 - 1,107 mg/l 58 mg/l	96 h 30 d
Sodium chloride	flow-	Lepomis macrochirus	5,840 mg/l	96 h

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	through test LC50 NOEC	Pimephales promelas (fathead minnow)	252 mg/l	33 d
Aluminum	No data available			

Toxicity to aquatic invertebrates

Components	End point	Species	Value	Exposure time
Sodium hydroxide	EC50	Daphnia magna (Water flea)	40.4 mg/l	48 h
Sodium nitrate	EC50	Daphnia magna (Water flea)	8,609 mg/l	24 h
Sodium chloride	static test EC50	Daphnia magna (Water flea)	340.7 - 469.2 mg/l	48 h
	NOEC	Daphnia pulex	314 mg/l	21 d
Aluminum	No data available			

Toxicity to aquatic plants

Components	End point	Species	Value	Exposure time
Sodium hydroxide	No data available			
Sodium nitrate	No data available			
Sodium chloride	IC50	Algae	3,014 mg/l	72 h
Aluminum	No data available			

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Persistence and degradability

Component	Biodegradation	Exposure time	Summary
Sodium hydroxide	No data available		
Sodium nitrate	No data available		
Sodium chloride	No data available		
Aluminum	No data available		

Bioaccumulative potential

Component	Bioconcentration factor (BCF)	Partition Coefficient n-Octanol/water (log)
Sodium hydroxide	0.89 estimated	-1.38
Sodium nitrate	No data available	-3.8
Sodium chloride	1.09 QSAR	0.54
Aluminum	No data available	No data available

Mobility

Component	End point	Value
Sodium hydroxide	No data available	
Sodium nitrate	No data available	
Sodium chloride	No data available	
Aluminum	No data available	

PBT and vPvB assessment

Component	Results
Sodium hydroxide	Not fulfilling PBT and vPvB criteria
Sodium nitrate	Not fulfilling PBT and vPvB criteria
Sodium chloride	Not fulfilling PBT and vPvB criteria
Aluminum	Not fulfilling PBT and vPvB criteria

Other adverse effects : None known.

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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	1759	1759	1759
UN proper shipping name	Corrosive Solid, n.o.s. (Sodium hydroxide)	Corrosive Solid, n.o.s. (Sodium hydroxide)	Corrosive Solid, n.o.s. (Sodium hydroxide)
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.

[§] **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.

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15. REGULATORY INFORMATION

Poisons Schedule (Australia): : S6

HSNO Approval Number (NZ): : H Cleaning Products (Corrosive) Group Standard 2020 | HSR002526

16. OTHER INFORMATION

Revision Date: 16.03.2023

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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