

SAFETY DATA SHEET CORRSHIELD MD4100

1. Identification Product identifier

CORRSHIELD MD4100

Other means of identification

Recommended use of the chemical and restrictions on use Recommended use Water-based corrosion inhibitor

None.

Restrictions on use Not available.

Company/undertaking identification

VEOLIA WATER TECHNOLOGIES & SOLUTIONS AUSTRALIA PTY LTD 103 Raubers Road, Northgate, QLD 4013 Australia C/o Buddle Findlay, Level 18, Hsbc Tower, 188 Quay Street, Auckland, 1010, New Zealand Tel: 1800 064 140 (AUS) 0800 945635 (NZ) Email: vtc.vwts.apacproductregulatory.all@veolia.com

Emergency telephone

+61-290372994 (Aust) +64-98010034 (NZ)

2. Hazard(s) identification

Hazard symbol(s)

Classification of the hazardous chemical			
Physical hazards	Corrosive to metals	Category 1	
Health hazards	Acute toxicity, oral	Category 4	
	Skin corrosion/irritation	Category 1C	
	Serious eye damage/eye irritation	Category 1	
Environmental hazards	Hazardous to the aquatic environment, acute hazard	Category 2	

Label elements, including precautionary statements

	Corrosion Exclamation mark
Signal word	Danger
Hazard statement(s)	May be corrosive to metals. Harmful if swallowed. Causes severe skin burns and eye damage. Causes serious eye damage. Toxic to aquatic life.
Precautionary statement(s)	
Prevention	Keep only in original container. Do not breathe mist/vapors. Wash thoroughly after handling. Do not eat, drink or smoke when using this product. Avoid release to the environment. Wear protective gloves/protective clothing/eye protection/face protection.
Response	Rinse mouth. IF SWALLOWED: Rinse mouth. Do NOT induce vomiting. IF ON SKIN (or hair): Remove/Take off immediately all contaminated clothing. Rinse skin with water/shower. IF INHALED: Remove victim to fresh air and keep at rest in a position comfortable for breathing. 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 or doctor/physician. Wash contaminated clothing before reuse. Absorb spillage to prevent material damage.
Storage	Store locked up.
Disposal	Dispose of contents/container in accordance with local/regional/national/international regulations.



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Supplemental information	None.
Other hazards which do not	None known.
result in classification	

3. Composition/information on ingredients

Mixtures

Identity of chemical ingredients	CAS number and other unique identifiers	Concentration of ingredients
Sodium molybdate	7631-95-0	10- <30
Sodium nitrite	7632-00-0	10- <30
Sodium hydroxide	1310-73-2	0.1-<1

4. First-aid measures

Description of necessary first aid measures

Inhalation	Move to fresh air. Call a physician if symptoms develop or persist.
Skin contact	Take off immediately all contaminated clothing. Rinse skin with water/shower. Call a physician or poison control center immediately. Chemical burns must be treated by a physician. Wash contaminated clothing before reuse.
Eye contact	Immediately flush eyes with plenty of water for at least 15 minutes. Remove contact lenses, if present and easy to do. Continue rinsing. Call a physician or poison control center immediately.
Ingestion	Call a physician or poison control center immediately. Rinse mouth. Do not induce vomiting. If vomiting occurs, keep head low so that stomach content doesn't get into the lungs.
Personal protection for first-aid responders	Ensure that medical personnel are aware of the material(s) involved, and take precautions to protect themselves. Show this safety data sheet to the doctor in attendance.
Symptoms caused by exposure	Burning pain and severe corrosive skin damage. Causes serious eye damage. Symptoms may include stinging, tearing, redness, swelling, and blurred vision. Permanent eye damage including blindness could result.
Medical attention and special treatment	Provide general supportive measures and treat symptomatically. Chemical burns: Flush with water immediately. While flushing, remove clothes which do not adhere to affected area. Call an ambulance. Continue flushing during transport to hospital. Keep victim warm. Keep victim under observation. Symptoms may be delayed.

5. Fire-fighting measures

Extinguishing media Suitable extinguishing media	Water fog. Foam. Dry chemical powder. Carbon dioxide (CO2).
Unsuitable extinguishing media	Do not use water jet as an extinguisher, as this will spread the fire.
Specific hazards arising from the chemical	During fire, gases hazardous to health may be formed.
Special protective equipment and precautions for fire fighters	Self-contained breathing apparatus and full protective clothing must be worn in case of fire.
Fire fighting equipment/instructions	Move containers from fire area if you can do so without risk.
Hazchem code	None.
Specific methods	Use standard firefighting procedures and consider the hazards of other involved materials.

6. Accidental release measures

Personal precautions, protective equipment and emergency procedures		
For non-emergency personnel	Wear appropriate protective equipment and clothing during clean-up. Do not breathe mist/vapors. Do not touch damaged containers or spilled material unless wearing appropriate protective clothing.	
For emergency responders	Keep unnecessary personnel away. Local authorities should be advised if significant spillages cannot be contained. Use personal protection recommended in Section 8 of the SDS.	



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Environmental precautions	Avoid release to the environment. Inform appropriate managerial or supervisory personnel of all environmental releases. Prevent further leakage or spillage if safe to do so. Avoid discharge into drains, water courses or onto the ground.
Methods and materials for	Prevent entry into waterways, sewer, basements or confined areas.
containment and cleaning up	Large Spills: Stop the flow of material, if this is without risk. Dike the spilled material, where this is possible. Absorb spillage to prevent material damage. Use a non-combustible material like vermiculite, sand or earth to soak up the product and place into a container for later disposal. Following product recovery, flush area with water.
	Small Spills: Wipe up with absorbent material (e.g. cloth, fleece). Clean surface thoroughly to remove residual contamination.
	Never return spills to original containers for re-use. For waste disposal, see section 13 of the SDS.
7. Handling and storage	
Precautions for safe handling	Do not breathe mist/vapors. Do not get in eyes, on skin, or on clothing. Do not taste or swallow. When using, do not eat, drink or smoke. Provide adequate ventilation. Wear appropriate personal protective equipment. Wash hands thoroughly after handling. Avoid release to the environment. Observe good industrial hygiene practices.
Conditions for safe storage, including any incompatibilities	Store locked up. Store in a cool, dry place out of direct sunlight. Store in corrosive resistant container with a resistant inner liner. Store in tightly closed container. Keep only in the original container. Store away from incompatible materials (see Section 10 of the SDS).

8. Exposure controls and personal protection

Control parameters Follow standard monitoring procedures.

Occupational exposure limits

Components	Туре	Value	
Sodium hydroxide (CAS 1310-73-2)	Ceiling	2 mg/m3	
Sodium molybdate (CAS 7631-95-0)	TWA	5 mg/m3	
US. ACGIH Threshold Lim			_
Components	Туре	Value	Form
Sodium hydroxide (CAS 1310-73-2)	Ceiling	2 mg/m3	
Sodium molybdate (CAS 7631-95-0)	TWA	0.5 mg/m3	Respirable fraction.
UK. EH40 Workplace Expo	sure Limits (WELs)		
Components	Туре	Value	
Sodium hydroxide (CAS 1310-73-2)	STEL	2 mg/m3	
Sodium molybdate (CAS 7631-95-0)	STEL	10 mg/m3	
	TWA	5 mg/m3	
logical limit values	No biological exposure limits noted for the ingredient(s).		
propriate engineering trols	Good general ventilation should be used. Ventilation rates should be matched to conditions. If applicable, use process enclosures, local exhaust ventilation, or other engineering controls to maintain airborne levels below recommended exposure limits. If exposure limits have not been established, maintain airborne levels to an acceptable level. Eye wash facilities and emergency shower must be available when handling this product.		
vidual protection measures	s, for example personal protective ec Wear safety glasses with side shield		d.
Skin protection			
Hand protection	Wear appropriate chemical resistan	t gloves.	



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Respiratory protection	In case of insufficient ventilation, wear suitable respiratory equipment.
Thermal hazards	Wear appropriate thermal protective clothing, when necessary.
Hygiene measures	Keep away from food and drink. Always observe good personal hygiene measures, such as washing after handling the material and before eating, drinking, and/or smoking. Routinely wash work clothing and protective equipment to remove contaminants.

9. Physical and chemical properties

•	-	
Appearance	Liquid	
Physical state	Liquid.	
Form	Liquid.	
Color	Yellow	
Odor	Mild	
Odor threshold	Not available.	
pH (concentrated product)	12.8	
Melting point/freezing point	-10 °C	
Initial boiling point and boiling range	104 °C	
Flash point	> 212 °C SETA(CC)	
Evaporation rate	< 1 (Ether = 1)	
Flammability (solid, gas)	Not applicable.	
Upper/lower flammability or explosive limits		
Explosive limit - lower (%)	Not available.	
Explosive limit - upper (%)	Not available.	
Vapor pressure	18 mm Hg	
Vapor pressure temp.	21 °C	
Vapor density	< 1 (Air = 1)	
Relative density	1.18	
Relative density temperature	21 °C	
Solubility(ies)		
Solubility (water)	100 %	
Partition coefficient (n-octanol/water)	Not available.	
Auto-ignition temperature	Not available.	
Decomposition temperature	Not available.	
Viscosity	4 cps	
Viscosity temperature	21 °C	
Other physical and chemical parameters		
Explosive properties	Not explosive.	
Oxidizing properties	Not oxidizing.	
VOC	0 % (Estimated)	

10. Stability and reactivity

Reactivity	Reacts violently with strong acids. This product may react with oxidizing agents.
Chemical stability	Material is stable under normal conditions.
Possibility of hazardous reactions	No dangerous reaction known under conditions of normal use.
Conditions to avoid	Contact with incompatible materials. Do not mix with other chemicals.
Incompatible materials	Acids. Strong oxidizing agents. Oxidizing agents. Metals.
Hazardous decomposition products	No hazardous decomposition products are known.



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11. Toxicological information

Information on possible routes of exposure

Skin contactCauses severe skin burns.Eye contactCauses serious eye damage.IngestionCauses digestive tract burns. Harmful if swallowed.Symptoms related to exposureBurning pain and severe corrosive skin damage. Causes serious eye damage. Symptoms may		May cause irritation to the respiratory system.		
Eye contact Causes serious eye damage. Ingestion Causes digestive tract burns. Harmful if swallowed. Symptoms related to exposure Burning pain and severe corrosive skin damage. Causes serious eye damage. Symptoms may include stinging, tearing, redness, swelling, and blurred vision. Permanent eye damage includin blindness could result. Acute toxicity Harmful if swallowed. Product Species Test Results CORRSHIELD MD4100 Acute Acute Dermal Solution LD50 Rabbit > 5000 mg/kg (Calculated according to GHS additivity formula) Inhalation LC50 Rat 1717 mg/kg (Calculated according to GHS additivity formula) Oral LD50 Rat Test Results Sodium hydroxide (CAS 1310-73-2) Species Test Results Acute Dermal LD50 Rabbit 1350 mg/kg				
Ingestion Causes digestive tract burns. Harmful if swallowed. Symptoms related to exposure Burning pain and severe corrosive skin damage. Causes serious eye damage. Symptoms may include stinging, tearing, redness, swelling, and blurred vision. Permanent eye damage includir blindness could result. Acute toxicity Harmful if swallowed. Product Species Test Results CORRSHIELD MD4100 Acute Dermal Species Test Results LD50 Rabbit > 5000 mg/kg (Calculated according to GHS additivity formula) GHS additivity formula) Inhalation LC50 Rat > 5 mg/l, 4 Hours (Calculated according GHS additivity formula) Oral LD50 Rat 2 mg/kg (Calculated according to GHS additivity formula) Oral LD50 Rat 2 mg/kg (Calculated according to GHS additivity formula) Sodium hydroxide (CAS 1310-73-2) Species Test Results Acute Dermal LD50 Rabbit 1350 mg/kg				
Symptoms related to exposure Burning pain and severe corrosive skin damage. Causes serious eye damage. Symptoms may include stinging, tearing, redness, swelling, and blurred vision. Permanent eye damage includir blindness could result. Acute toxicity Harmful if swallowed. Product Species Test Results CORRSHIELD MD4100	-			
Acute toxicity Harmful if swallowed. Product Species Test Results CORRSHIELD MD4100 Acute Acute Dermal LD50 Rabbit > 5000 mg/kg (Calculated according to GHS additivity formula) Inhalation LC50 Rat LD50 Rat 25 mg/l, 4 Hours (Calculated according to GHS additivity formula) Oral LD50 Rat LD50 Rat 75 mg/l, 24 Hours (Calculated according to GHS additivity formula) Oral LD50 Rat LD50 Rat 75 mg/l, 24 Hours (Calculated according to GHS additivity formula) Oral LD50 Rat LD50 Rat 1717 mg/kg (Calculated according to GHS additivity formula) Oral LD50 Rat LD50 Rat 1717 mg/kg (Calculated according to GHS additivity formula) Sodium hydroxide (CAS 1310-73-2) Yetemal Acute Dermal Test Results Dermal LD50 Rabbit 1350 mg/kg	-	5	1999 sorious ave damage. Symptome may	
Product Species Test Results CORRSHIELD MD4100 Acute Permal Acute Dermal Solution LD50 Rabbit > 5000 mg/kg (Calculated according to GHS additivity formula) Inhalation LC50 Rat LD50 Rat > 5 mg/l, 4 Hours (Calculated according GHS additivity formula) Oral Dermal Dermal LD50 Rat 1717 mg/kg (Calculated according to GHS additivity formula) Oral Description Description LD50 Rat Test Results Sodium hydroxide (CAS 1310-73-2) Acute Dermal LD50 Rabbit 1350 mg/kg	Symptoms related to exposure	include stinging, tearing, redness, swelling, and blurred vision. Permanent eye damage including		
CORRSHIELD MD4100 Acute Dermal > 5000 mg/kg (Calculated according to GHS additivity formula) Inhalation > 5 mg/l, 4 Hours (Calculated according to GHS additivity formula) Inhalation > 5 mg/l, 4 Hours (Calculated according GHS additivity formula) Oral	Acute toxicity	Harmful if swallowed.		
Acute Dermal Rabbit > 5000 mg/kg (Calculated according to GHS additivity formula) Inhalation LC50 Rat > 5 mg/l, 4 Hours (Calculated according GHS additivity formula) Oral LD50 Rat > 5 mg/l, 2 Hours (Calculated according GHS additivity formula) Oral LD50 Rat 1717 mg/kg (Calculated according to GH additivity formula (Category 4)) Comports Species Test Results Sodium hydroxide (CAS 1310-73-2) Katute Dermal LD50 Rabbit Acute Dermal LD50 Rabbit 1350 mg/kg	Product	Species	Test Results	
Dermal LD50 Rabbit > 5000 mg/kg (Calculated according to GHS additivity formula) Inhalation LC50 Rat > 5 mg/l, 4 Hours (Calculated according GHS additivity formula) Oral LD50 Rat > 5 mg/l, 2 Hours (Calculated according to GHS additivity formula) Conponents Species Test Results Sodium hydroxide (CAS 1310-73-2) Example Test Results LD50 Rabbit Test Results	CORRSHIELD MD4100			
LD50Rabbit> 5000 mg/kg (Calculated according to GHS additivity formula)InhalationKat> 5 mg/l, 4 Hours (Calculated according GHS additivity formula)OralKat> 5 mg/l, 4 Hours (Calculated according to GHS additivity formula)OralKat1717 mg/kg (Calculated according to GHS additivity formula)ComponentsSpeciesTest ResultsSodium hydroxide (CAS 1310-73-2)Kat1350 mg/kg	Acute			
Inhalation GHS additivity formula) LC50 Rat Oral GHS additivity formula) LD50 Rat 1717 mg/kg (Calculated according to GH additivity formula) Components Species Sodium hydroxide (CAS 1310-73-2) Acute Dermal LD50 Rabbit				
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LD50 Rat 1717 mg/kg (Calculated according to GF additivity formula (Category 4)) Components Species Test Results Sodium hydroxide (CAS 1310-73-2)		Rat	> 5 mg/l, 4 Hours (Calculated according to GHS additivity formula)	
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Acute Dermal LD50 Rabbit 1350 mg/kg		-	Test Results	
DermalLD50Rabbit1350 mg/kg	• • •)		
LD50 Rabbit 1350 mg/kg				
		Pabbit	1350 ma/ka	
		Kabbit	1330 mg/kg	
LD50 Rabbit > 500 mg/kg		Rabbit	> 500 ma/ka	
Sodium molybdate (CAS 7631-95-0)				
Acute)		
Dermal				
LD50 Rabbit > 2000 mg/kg	LD50	Rabbit	> 2000 mg/kg	
Inhi	Inhl			
LC50 Rat > 2.08 mg/l/4h	LC50	Rat	> 2.08 mg/l/4h	
Oral	Oral			
LD50 Rat 4000 mg/kg	LD50	Rat	4000 mg/kg	
Sodium nitrite (CAS 7632-00-0)	Sodium nitrite (CAS 7632-00-0)			
Acute	<u>Acute</u>			
Oral				
LD50 Rat 180 mg/kg	LD50	Rat	180 mg/kg	
Skin corrosion/irritation Causes severe skin burns and eye damage.	Skin corrosion/irritation	Causes severe skin burns and eye damage.		
Serious eye damage/irritation Causes serious eye damage.	Serious eye damage/irritation	Causes serious eye damage.		
Respiratory or skin sensitization				
Respiratory sensitization Not a respiratory sensitizer.				
Skin sensitization This product is not expected to cause skin sensitization.				
Germ cell mutagenicity No data available to indicate product or any components present at greater than 0.1% are mutagenic or genotoxic.				
Carcinogenicity Risk of cancer cannot be excluded with prolonged exposure.	Carcinogenicity	Risk of cancer cannot be excluded with prolonged ex	kposure.	



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ACGIH Carcinogens		
Sodium molybdate (CAS	7631-95-0)	A3 Confirmed animal carcinogen with unknown relevance to humans.
IARC Monographs. Overall	Evaluation of Carcinogenicity	
Sodium nitrite (CAS 7632	2-00-0)	2A Probably carcinogenic to humans.
Reproductive toxicity	This product is not expected t	o cause reproductive or developmental effects.
Specific target organ toxicity - single exposure	Not classified.	
Specific target organ toxicity - repeated exposure	Not classified.	
Aspiration hazard	Not an aspiration hazard.	
Chronic effects	Prolonged exposure may cau	se chronic effects.

12. Ecological information

Ecotoxicity	Toxic to aquatic life.			
Product		Species	Test Results	
Aquatic				
Crustacea	LC50	Daphnia magna	5997 mg/L, 48 hour	
	NOEL	Daphnia magna	500 mg/L, 48 hour	
Fish	0% Mortality	Rainbow Trout	2000 mg/L, 48 hour	
	LC50	Bluegill Sunfish	3258 mg/L, 96 hour	
		Fathead Minnow	2730 mg/L, 96 hour (Estimated)	
	NOEL	Bluegill Sunfish	1800 mg/L, 96 hour	
		Fathead Minnow	1850 mg/L, 96 hour (Estimated)	
Persistence and degradability	No data is av	ailable on the degradability of any ingredie	nts in the mixture.	
	No data is av	No data is available on the degradability of any ingredients in the mixture.		
- COD (mgO2/g)	39 (calculate	39 (calculated data)		
- BOD 5 (mgO2/g)	0 (calculated	0 (calculated data)		
- BOD 28 (mgO2/g)	1 (calculated	1 (calculated data)		
 Closed Bottle Test (% Degradation in 28 days) 	5 (calculated	5 (calculated data)		
- Zahn-Wellens Test (% Degradation in 28 days)	8 (calculated	8 (calculated data)		
- TOC (mg C/g)	6 (calculated	6 (calculated data)		
Bioaccumulative potential				
Mobility in soil	No data avail	able for this product.		
Other adverse effects	No other adverse environmental effects (e.g. ozone depletion, photochemical ozone creation potential, endocrine disruption, global warming potential) are expected from this component.			

13. Disposal considerations

Disposal methods	Collect and reclaim or dispose in sealed containers at licensed waste disposal site. Do not allow this material to drain into sewers/water supplies. Do not contaminate ponds, waterways or ditches with chemical or used container. Dispose of contents/container in accordance with local/regional/national/international regulations.
Residual waste	Dispose of in accordance with local regulations. Empty containers or liners may retain some product residues. This material and its container must be disposed of in a safe manner (see: Disposal instructions).
Contaminated packaging	Since emptied containers may retain product residue, follow label warnings even after container is emptied. Empty containers should be taken to an approved waste handling site for recycling or disposal.



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14. Transport information

Α	D	G
	_	-

ADG	
UN number	3266
UN proper shipping name	CORROSIVE LIQUID, BASIC, INORGANIC, N. O. S. (Sodium hydroxide)
Transport hazard class(es)	
Class	8
Subsidiary risk	-
Packing group	III
Environmental hazards	Not available.
Hazchem code	2X
Special precautions for user	Read safety instructions, SDS and emergency procedures before handling.
ΙΑΤΑ	
UN number	3266
UN proper shipping name	Corrosive liquid, basic, inorganic, n.o.s. (Sodium hydroxide)
Transport hazard class(es)	
Class	8
Subsidiary risk	-
Packing group	
Environmental hazards	No.
ERG Code	154
	Read safety instructions, SDS and emergency procedures before handling.
IMDG	
UN number	3266
UN proper shipping name	CORROSIVE LIQUID, BASIC, INORGANIC, N.O.S. (SODIUM HYDROXIDE)
Transport hazard class(es)	
Class	8
Subsidiary risk	-
Packing group	III
Environmental hazards	
Marine pollutant	No.
EmS	F-A, S-B
Special precautions for user RQ(SODIUM NITRITE)	Read safety instructions, SDS and emergency procedures before handling.
Transport in bulk according to Annex II of MARPOL 73/78 and the IBC Code	Not established.
ADG	



IATA; IMDG



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15. Regulatory information

Safety, health and environmental regulations

National regulations

This Safety Data Sheet was prepared in accordance with Australia Model Code of Practice for the preparation of Safety Data Sheets for Hazardous Chemicals.

Group Standard - Corrosion Inhibitors - Corrosive HSR002547

Australia Medicines & Poisons Appendix A Poisons schedule number not allocated. Australia Medicines & Poisons Appendix B Poisons schedule number not allocated. Australia Medicines & Poisons Appendix D Poisons schedule number not allocated. Australia Medicines & Poisons Appendix E Sodium hydroxide (CAS 1310-73-2) Sodium nitrite (CAS 7632-00-0) Australia Medicines & Poisons Appendix F Sodium hydroxide (CAS 1310-73-2) Sodium nitrite (CAS 7632-00-0) Australia Medicines & Poisons Appendix G Poisons schedule number not allocated. Australia Medicines & Poisons Appendix H Poisons schedule number not allocated. Australia Medicines & Poisons Appendix I Poisons schedule number not allocated. Australia Medicines & Poisons Appendix J Poisons schedule number not allocated. Australia Medicines & Poisons Appendix K Poisons schedule number not allocated. Australia Medicines & Poisons Schedule 10 Sodium hydroxide (CAS 1310-73-2) Australia Medicines & Poisons Schedule 2 Sodium nitrite (CAS 7632-00-0) Australia Medicines & Poisons Schedule 3 Poisons schedule number not allocated. Australia Medicines & Poisons Schedule 4 Poisons schedule number not allocated. Australia Medicines & Poisons Schedule 5 Sodium hydroxide (CAS 1310-73-2) Sodium nitrite (CAS 7632-00-0) Australia Medicines & Poisons Schedule 6 Sodium hydroxide (CAS 1310-73-2) Sodium nitrite (CAS 7632-00-0) Australia Medicines & Poisons Schedule 7 Sodium nitrite (CAS 7632-00-0) Australia Medicines & Poisons Schedule 8 Poisons schedule number not allocated. Australia Medicines & Poisons Schedule 9 Poisons schedule number not allocated. Australia National Pollutant Inventory (NPI): Threshold quantity Sodium nitrite (CAS 7632-00-0) 15 TONNES/YR Threshold Category: 3 **High Volume Industrial Chemicals (HVIC)** Sodium hydroxide (CAS 1310-73-2) > 1000000 TONNES See the regulation for additional information. Importation of Ozone Depleting Substances (Customs(Prohibited imports) Regulations 1956, Schedule 10, as amended)

Not listed.



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•	(NPI) substance reporting list	
Not listed.		
Prohibited Carcinogenic Sub	istances	
Not regulated. Prohibited Substances (Nation NOHSC:1005 (1994) as amen	onal Model Regulation for the control of Workplace Hazardous Su ded)	bstances, Schedule 2
Not listed. Resricted Importation of Org	anochlorine Chemicals (Customs(Prohibited Imports) Regulation	s 1956, Schedule 9)
Not listed.		
Restricted Carcinogenic Sub	stances	
Not regulated.		
International regulations		
Stockholm Convention		
Not applicable. Rotterdam Convention		
Not applicable. Kyoto protocol		
Not applicable. Montreal Protocol		
Not applicable. Basel Convention		
Not applicable.		
International Inventories		
Country(s) or region	Inventory name	On inventory (yes/no) [;]
Australia	Australian Inventory of Industrial Chemicals (AICIS)	Yes
Canada	Domestic Substances List (DSL)	Yes
Canada	Non-Domestic Substances List (NDSL)	Yes
China	Inventory of Existing Chemical Substances in China (IECSC)	Yes
Europe	European Inventory of Existing Commercial Chemical Substances (EINECS)	Yes
Europe	European List of Notified Chemical Substances (ELINCS)	No
Japan	Inventory of Existing and New Chemical Substances (ENCS)	No
Korea	Existing Chemicals List (ECL)	Yes
New Zealand	New Zealand Inventory	Yes
Philippines	Philippine Inventory of Chemicals and Chemical Substances (PICCS)	Yes
Taiwan	Taiwan Chemical Substance Inventory (TCSI)	Yes
United States & Puerto Rico	Toxic Substances Control Act (TSCA) Inventory	Yes
	ents of this product comply with the inventory requirements administered by the components of the product are not listed or exempt from listing on the inventor	
NSF Registered and/or meets USDA (according to 1998 guidelines):	Registration No. – 141672 Category Code(s): G5 Cooling and retort water treatment products G7 Boiler, steam line treatment products – nonfood contact	
16. Other information		
Issue date	10-December-2020	
Revision date	11/02/2023	
Key abbreviations or acronyms used	AICIS: Australian Inventory of Industrial Chemicals.	
References:	No data available	
Revision information	Other information: Disclaimer	