

# SAFETY DATA SHEET

	1. Identification	
Product identifier	BOILERMATE 2100D	
Other means of identification	Not available.	
Recommended use	Boiler Water Treatment	
Recommended restrictions	None known.	
Manufacturer/Importer/Supplier	/Distributor information	
Manufacturer		
Company name Address	Miura Canada Co., Ltd. 4025 Sladeview Crescent, Unit 5&6 Mississauga, ON L5L 5Y1 Canada 905-607-4289	
Telephone	905-607-4269 905-607-8329 (Fax) 1-800-666-2182 (Toll Free)	
E-mail	canada-customersupport@miuraz.com	
Emergency phone number	Not available.	
Supplier	See above.	
	2. Hazard identification	1
Dhysical hazarda	Not classified.	
Physical hazards Health hazards	Skin corrosion/irritation	Catagony 2
Health hazards	Skin conosion/initiation Serious eye damage/eye irritation	Category 2 Category 2
	Specific target organ toxicity, single exposure	
Environmental hazards	Not classified.	Category 3 respiratory tract initiation
WHMIS 2015 defined hazards	Not classified	
Label elements	Not classified	
Signal word	Warning	
Hazard statement	Causes skin irritation. Causes serious eye irritation. May cause respiratory irritation.	
Precautionary statement		
Prevention	Avoid breathing mist or vapor. Use only outdoors or in a well-ventilated area. Wash thoroughly after handling. Wear protective gloves, protective clothing, eye protection and face protection.	
Response	IF ON SKIN: Wash with plenty of water. If skin irritation occurs: Get medical attention. Take off contaminated clothing and wash it before reuse. Specific treatment (see information on this label). IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. If eye irritation persists: Get medical attention. IF INHALED: Remove person to fresh air and keep comfortable for breathing. Call a POISON CENTER if you feel unwell.	
Storage	Store in a well-ventilated place. Keep container tightly closed. Store locked up.	
Disposal	Dispose of container in accordance with local,	, regional, national and international regulations.
WHMIS 2015: Health Hazard(s) not otherwise classified (HHNOC)	None known	
WHMIS 2015: Physical Hazard(s) not otherwise classified (PHNOC)	None known	

None known.

None.

Supplemental information

## 3. Composition/Information on ingredients

3. Composition/Information on ingredients			
Mixture			
Chemical name	Common name and synonyms	CAS number	%
2-Propenoic acid, homopolymer sodium salt	, ,	9003-04-7	5 - 10 *
Tetrasodium salt of ethylenediaminetetracetic acid tetrahydrate		13235-36-4	10 - 30 *
All concentrations are in percent by	y weight unless ingredient is a gas. Gas conce	entrations are in percent by volu	ume.
Composition comments	*CANADA GHS: The exact percentage (concentration) of composition has been withheld as a trade secret. US GHS: The exact percentage (concentration) of composition has been withheld as a trade secret in accordance with paragraph (i) of §1910.1200.		
	4. First-aid measures	6	
Inhalation	IF INHALED: Remove person to fresh air and keep comfortable for breathing. Call a POISON CENTER or doctor if you feel unwell.		ig. Call a POISON
Skin contact	IF ON SKIN: Wash with plenty of water. If skin irritation occurs: Get medical attention. Take off contaminated clothing and wash it before reuse. Specific treatment (see information on this label)		
Eye contact	IF IN EYES: Rinse cautiously with water for s and easy to do. Continue rinsing. If eye irritat		
Ingestion	Rinse mouth. Do not induce vomiting. If vomi reduce risk of aspiration. Obtain medical atte		im lean forward to
Most important symptoms/effects, acute and delayed	Causes serious eye irritation. Symptoms may include stinging, tearing, redness, swelling, and blurred vision. Skin irritation. May cause redness and pain. May cause respiratory irritation.		ness, swelling, and
Indication of immediate medical attention and special treatment needed	Treat patient symptomatically.		
General information	If you feel unwell, seek medical advice (show personnel are aware of the material(s) involv this safety data sheet to the doctor in attenda reach of children.	ed and take precautions to pro	tect themselves. Show
	5. Fire-fighting measur	es	
Suitable extinguishing media Unsuitable extinguishing media	Water fog. Foam. Dry chemical powder. Carl Not available.	oon dioxide.	
Specific hazards arising from the chemical	During fire, gases hazardous to health may b	be formed.	
Special protective equipment and precautions for firefighters	Self-contained breathing apparatus and full p	protective clothing must be wor	n in case of fire.
Fire-fighting equipment/instructions	Move containers from fire area if you can do	so without risk.	
Specific methods	Use standard firefighting procedures and cor	nsider the hazards of other invo	lved materials.
Hazardous combustion products	May include and are not limited to: Oxides of	carbon. Oxides of nitrogen.	
	6. Accidental release meas	sures	
Personal precautions, protective equipment and emergency procedures	Keep unnecessary personnel away. Do not to wearing appropriate protective clothing. Do n Local authorities should be advised if signific protection, see section 8 of the SDS.	ot breathe mist or vapor. Ensu	re adequate ventilation.
Methods and materials for containment and cleaning up	Stop the flow of material, if this is without risk Cover with plastic sheet to prevent spreading sand or earth to soak up the product and plac product recovery, flush area with water. Clea contamination. Prevent entry into waterways, disposal, see section 13 of the SDS.	y. Use a non-combustible mate ce into a container for later dis n surface thoroughly to remove	rial like vermiculite, posal. Following e residual

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7. Handling and storage		
Precautions for safe handling	Do not get in eyes, on skin, or on clothing. Wear appropriate personal protective equipment. Do not breathe mist or vapor. Provide adequate ventilation. Observe good industrial hygiene practices. Wash thoroughly after handling. When using do not eat or drink.	
Conditions for safe storage, including any incompatibilities	Keep only in the original container. Store away from incompatible materials (see Section 10 of the SDS). Keep out of reach of children. Store locked up.	
8. Exposure controls/Personal protection		
Occupational exposure limits	No exposure limits noted for ingredient(s).	
Biological limit values	No biological exposure limits noted for the ingredient(s).	
Appropriate engineering controls	Ensure adequate ventilation.	
Individual protection measures,	such as personal protective equipment	
Eye/face protection	Safety glasses or goggles.	
Skin protection		
Hand protection	Impervious gloves. Confirm with reputable supplier first.	
Other	As required by employer code.	
Respiratory protection	Where exposure guideline levels may be exceeded, use an approved NIOSH respirator. Respirator should be selected by and used under the direction of a trained health and safety professional following requirements found in OSHA's respirator standard (29 CFR 1910.134), CAN/CSA-Z94.4 and ANSI's standard for respiratory protection (Z88.2).	
Thermal hazards	Not applicable.	
General hygiene considerations	Handle in accordance with good industrial hygiene and safety practice. Wash hands before breaks and immediately after handling the product. When using, do not eat, drink or smoke.	

	9. Physical and chemical properties	
Appearance	Transparent	
Physical state	Liquid.	
Form	Liquid.	
Color	Pale yellow	
Odor	Very little	
Odor threshold	Not available.	
рН	11.5 (1% water solution)	
Melting point/freezing point	Not available.	
Initial boiling point and boiling	> 212 °F (> 100 °C)	
range		
Pour point	Not available.	
Specific gravity	1.15	
Partition coefficient	Not available.	
(n-octanol/water)		
Flash point	Not available.	
Evaporation rate Flammability	Not available.	
(solid, gas)	Not applicable.	
Upper/lower flammability or explosive limits		
Flammability limit - lower (%)	Not available.	
Flammability limit - upper (%)	Not available.	
Explosive limit - lower (%)	Not available.	
Explosive limit - upper (%)	Not available.	
Vapor pressure	Not available.	
Vapor density	Not available.	
Relative density	Not available.	
Solubility(ies)	Not available.	
Auto-ignition temperature	Not available.	

Decomposition temperature	Not available.	
Viscosity	Not available.	
Other information		
Explosive properties	Not explosive.	
Oxidizing properties	Not oxidizing.	
	10. Stability and reactivity	y
Reactivity	May react with incompatible materials.	
Possibility of hazardous reactions	Hazardous polymerization does not occur.	
Chemical stability	Material is stable under normal conditions.	
Conditions to avoid	Do not mix with other chemicals.	
Incompatible materials	Strong acids. Strong oxidizing agents.	
Hazardous decomposition products	May include and are not limited to: Oxides of ca	arbon. Oxides of nitrogen.
	11. Toxicological information	on
Routes of exposure	Eye, Skin contact, Inhalation, Ingestion.	
Information on likely routes of	-	
Ingestion	May cause stomach distress, nausea or vomitin	-
Inhalation	May cause irritation to the respiratory system. F	Prolonged inhalation may be harmful.
Skin contact	Causes skin irritation.	
Eye contact	Causes serious eye irritation.	
Symptoms related to the physical, chemical and toxicological characteristics	Causes serious eye irritation. Permanent eye damage including blindness could result. Skin irritation. May cause redness and pain. May cause respiratory irritation.	
Information on toxicological ef	fects	
Acute toxicity	May cause respiratory irritation.	
Components	Species	Test Results
2-Propenoic acid, homopolymer, Acute	sodium salt (CAS 9003-04-7)	
Dermal		
LD50	Rabbit	> 2000 mg/kg, HSDB
Inhalation		
LC50	Not available	
Oral		
LD50	Rat	> 5000 mg/kg, HSDB
Tetrasodium salt of ethylenediam	inetetracetic acid tetrabydrate (CAS 13235-36-4)	
Acute		
Dermal		
<i>Dermal</i> LD50	Not available	
Dermal LD50 Inhalation	Not available	
Dermal LD50 Inhalation LC50		
Dermal LD50 Inhalation	Not available	1780 - 2000 mg/kg, ECHA
Dermal LD50 Inhalation LC50 Oral	Not available Not available	
Dermal LD50 Inhalation LC50 Oral	Not available Not available	1210 - 1780 mg/kg, ECHA
Dermal LD50 Inhalation LC50 Oral	Not available Not available	1210 - 1780 mg/kg, ECHA 3200 mg/kg, ECHA
Dermal LD50 Inhalation LC50 Oral	Not available Not available	1210 - 1780 mg/kg, ECHA 3200 mg/kg, ECHA 2700 mg/kg, ECHA
Dermal LD50 Inhalation LC50 Oral	Not available Not available	1210 - 1780 mg/kg, ECHA 3200 mg/kg, ECHA 2700 mg/kg, ECHA 2581 mg/kg, ECHA
Dermal LD50 Inhalation LC50 Oral	Not available Not available	1210 - 1780 mg/kg, ECHA 3200 mg/kg, ECHA 2700 mg/kg, ECHA 2581 mg/kg, ECHA 2150 mg/kg, ECHA
Dermal LD50 Inhalation LC50 Oral	Not available Not available	1210 - 1780 mg/kg, ECHA 3200 mg/kg, ECHA 2700 mg/kg, ECHA 2581 mg/kg, ECHA
Dermal LD50 Inhalation LC50 Oral	Not available Not available	1210 - 1780 mg/kg, ECHA 3200 mg/kg, ECHA 2700 mg/kg, ECHA 2581 mg/kg, ECHA 2150 mg/kg, ECHA
Dermal LD50 Inhalation LC50 Oral	Not available Not available	1210 - 1780 mg/kg, ECHA 3200 mg/kg, ECHA 2700 mg/kg, ECHA 2581 mg/kg, ECHA 2150 mg/kg, ECHA 1913 mg/kg, ECHA

Skin corosion/irritation         Causes skin irritation.           Exposure         Not available.           Cythema value         Not available.           Serious syst damage/syst         Not available.           Correat opacity value         Not available.           Correat opacity value         Not available.           Correat opacity value         Not available.           Conjunctival cedema value         Not available.           Conjunctival cedema value         Not available.           Respiratory or skin sensitization         Not available.           Granda - Alberta OELE: intrant         Sodium hydroxide (CAS 1310-73.)           Skin sensitization         This product is not expected to cause skin sensitization.           Mutagenicity         Not available to indicate product or any components present at greater than 0.1% are mutagenicity greatow.           OSHA Specifically Regulated Substances (20 CFR 1910.1001-1052)         Not istacd.           Reproductive toxicity         This product is not expecified to cause reproductive or developmental effects.           Freatogenicity         Not available.           Specifically Regulated Substances (20 CFR 1910.1001-1052)           Not isold.         Reproductive toxicity           Terratogenicity         Not available.           Specific target organ toxicity         Not classifie			
Erythema value         Not available.           Oedema value         Not available.           Serious eye damage'sye         Causes serious eye initiation.           Carreat opacity value         Not available.           Correat opacity value         Not available.           Correat opacity value         Not available.           Correat opacity value         Not available.           Conjunctival oedema value         Not available.           Recover days         Not available.           Respiratory sensitization         Not available.           Canada - Alberta OELs: (riffant         Sodium hydroxote (CAS 1130 - 73.2)           Skin sensitization         Not available to indicate product or any components present at greater than 0.1% are mulagenic or genotox.           OSHA Specifically Regulated Substances (29 CFR 1910.1001-1052) Not listed.         Not available.           Reproductive toxicity         This product is not expected to cause reproductive or developmental effects.           Freatogenicity         Not available.           Specific target organ toxicity -         May cause respiratory irritation.           Specific target organ toxicity -         Not an aspiration hazard.           Chronic effects         Prolonged initiation may be harmful.           Corponents         Species         Test Results           Consol	Skin corrosion/irritation	Causes skin irritation.	
Ocdema value         Not available.           Serious eye damage/eye         Causes serious eye irritation.           Corneal opacity value         Not available.           Corneal opacity value         Not available.           Conjunctival reddoning value         Not available.           Conjunctival reddoning value         Not available.           Conjunctival reddoning value         Not available.           Recover days         Not available.           Respiratory or skin sensitization         Tota value           Canada - Alberta OELs: Intriant         Sodim Mydroxide (CAS 1310.752.)           Skin sensitization         This product is not expected to cause skin sensitization.           Mutagenicity         Not davailable to indicate product or any components present at greater than 0.1% are mutagenic or genotoxic.           Carcinogenicity         Not davailable.           Not listed.         Not available.           OSHA Specificatly Regulated         Substances (29 CFR 1910.1001-1052) Not listed.           Specific argot opan toxicity- repated exposure         May cause repriatory irritation.           Specific argot opan toxicity- repated exposure         Not available.           Specific argot opan toxicity- repated exposure         Not available.           Specific argot opan toxicity- repated exposure         Not available.	Exposure minutes	Not available.	
Series are damage/eye         Causes serious eye irritation.           Irritation         Comeal opacity value         Not available.           Iris lesion value         Not available.         Not available.           Conjunctival reddening         Not available.         Not available.           Conjunctival reddening         Not available.         Not available.           Respiratory or skin sensitization         Canada - Abberta OELs: Iritent         Sodium hydroxide (CAS 1310-7s-2)           Canada - Abberta OELs: Iritent         Sodium hydroxide (CAS 1310-7s-2)         Irritant           Respiratory sensitization         This product is not expected to cause skin sensitization.           Mutagenicity         Not a available to indicate product or any components present at greater than 0.1% are mutagenic or genoxic.           Carcinogenicity         Not classified.           OSHA Specifically Regulated Substances (20 CFR 190.1001-1052)           Not issid.         Specific target organ toxicity-           Reproductive toxicity         This product is not expecide to cause reproductive or developmental effects.           Terratogenicity         Not classified.           Specific target organ toxicity         Not classified.           Terratogenicity         Not an aspiration hazard.           Chronic effects         Prolongici Information           Ectoxicl	Erythema value	Not available.	
Irritation Corneal opacity value Not available. Iris lesion value Not available. Conjunctival reddening Value Not available. Conjunctival reddening Value Not available. Conjunctival reddening Value Not available. Recover days Not available. Respiratory sensitization Conada - Alberta OELs: Irritant Sodium hydroxide (CAS 1310-7:2) Irritant Respiratory sensitization This product is not expected to cause skin sensitization. Mutagenicity Not classified. OSHA Specificatly Regulated Substances (29 CFR 1910.1001-1052) Not listed. Reproductive toxicity This product is not expected to cause reproductive or developmental effects. Freatogenicity Not classified. Not classified. Reproductive toxicity Not available. Not available. Reproductive developmental effects. Reproductive days Report target organ toxicity- Specific target organ toxicity- Report target organ toxicity- Recover developmental effects Recover developmental Respiration hazard Chronic effects Prolonged Inhalation may be harmful.  Feato Augustic Components Respiration Recover developmental effects Recover developmental Respiration Recover developmental effects Recover developmental Respiration Recover developmental Res			
Intelesion value       Not available.         Conjunctival redening value       Not available.         Conjunctival eedening value       Not available.         Recover days       Not available.         Recover days       Not available.         Recover days       Not available.         Respiratory or skin sensitization       Conjunctival eedening value         Canada - Alberta OELs: Inflant       Sodium Mydroxide (CAS 1310.75.2)         Solium Mydroxide (CAS 1310.75.2)       Inflant         Respiratory sensitization       No data available to indicate product or any components present at greater than 0.1% are mutagenic or genotoxic.         Carcinogenicity       Not classified.         OSHA Specificatly Regulated Substances (29 CFR 1910.1001-1052)         Not itstad       Nat valiable.         Specific target organ toxicity- reparatod exposure       May cause respiratory inflation.         Specific target organ toxicity- reparatod exposure       Not an aspiration hazard.         Chronic effects       Prolonged inhalation may be harmful.         Consponents       Species       Test Results         Testadoum satt of ethylenediaminetetracetic acid tetrahydrate (CAS 13255-8e-1) Aquatic       Aquatic         Fish       LC50       Bluegill (Lepomis macrochirus)       472 - 500 mg/L, 96 hours         Peresistence and d		Causes serious eye irritation.	
Conjunctival reddening value         Not available.           Conjunctival oedema value         Not available.           Recover days         Not available.           Resoured days         Not available.           Respiratory or skin sensitization         Canada - Alberta OELs: Intrant           Sodium hydroxide (CAS 1310-732)         Intrant           Respiratory sensitization         Not a respiratory sensitization.           Mutagenicity         Not data available to indicate product or any components present at greater than 0.1% are mutagenic or genotoxic.           Carcinogenicity         Not classified.           OSHA Specifically Regulated Substances (29 CFR 1910.1001-1052)           Not lated.           Reproductive toxicity         This product is not expected to cause reproductive or developmental effects.           Terratogenicity         Not available.           Specific target organ toxicity- repated exposure         May cause respiratory irritation.           Specific target organ toxicity- repated exposure         Not an aspiration hazard.           Chronic effects         Prolonged inhalation may be harmful.           Cotoxicity         See below           Ecotoxicological data         Not data available.           Maguito         No data available.           Fish         LC50         Bleggell (Lepomis macrochirus)	Corneal opacity value	Not available.	
value         Not available.           Recover days         Not available.           Respiratory or skin sensitization         Conjunctival (CAS 1310-73-2)           Canada - Alberta OELs: Irritant         Sodium Inderoxide (CAS 1310-73-2)           Skin sensitization         This product is not expected to cause skin sensitization.           Mutagenicity         Not at respiratory sensitizer.           Skin sensitization         This product is not expected to cause skin sensitization.           Mutagenicity         Not classified.           OSHA Specifically Regulated Substances (29 CFR 1910.1001-1052)         Not issified.           Reproductive toxicity         This product is not expected to cause reproductive or developmental effects.           Ferroductive toxicity         May cause respiratory irritation.           Single exposure         May cause respiratory irritation.           Single exposure         Not an aspiration hazard.           Chronic effects         Prolonged inhalation may be harmful.           Ecotoxicological data         Components           Components         Specific available.           Fish         LCS0         Bluegill (Lepomis macrochirus)         472 - 500 mg/L, 96 hours           Presistence and degradability         Not ata available.         Nobility in general         Not ata available.           M	Iris lesion value	Not available.	
Recover days         Not available.           Respiratory or skin sensitization         Canada - Alberta OEL: Irritant           Sodium hydroxide (CAS 1310-73-2)         Irritant           Respiratory or skin sensitization         This product is not expected to cause skin sensitization.           Mutagenicity         No data expilatory sensitizer.           Skin sensitization         This product is not expected to cause skin sensitization.           Mutagenicity         No data svailable to indicate product or any components present at greater than 0.1% are mutagenic or genotoxic.           Carcinogenicity         Not data svailable.           OSHA Specifically Regulated Substances (29 CFR 1910.1001-1052)         Not available.           Not available.         Specific target organ toxicity - May cause respiratory irritation.           specific target organ toxicity - Not classified.         Propogenetive toxicity - Not classified.           Specific target organ toxicity - Not classified.         Prolonged inhalation may be harmful.           Chronic effects         Prolonged inhalation may be harmful.           Chronic effects         Species         Test Results           Totrasodium salt of ethylenediaminetetracetic acid tetrahydrate (CAS 13235-36-4)         Aquatic           Aquatic         Fish         LC50         Bluegill (Lepomis macrochirus)         472 - 500 mg/L, 96 hours           Persiste		Not available.	
Respiratory or skin sensitization         Canada - Alberta OELs: Irritant         Sodium hydroxide (CAS 1310-73-2)       Irritant         Respiratory sensitization       Not arespiratory sensitization.         Mutagenicity       Not data available to indicate product or any components present at greater than 0.1% are mulagenic or genotoxic.         Carcinogenicity       Not data available to indicate product or any components present at greater than 0.1% are mulagenic or genotoxic.         Carcinogenicity       Not data siled.         OSHA SpecificallyRegulated Substances (29 CFR 1910.1001-1052)         Not listed.         Reproductive toxicity       This product is not expected to cause reproductive or developmental effects.         Teratogenicity       Not classified.         Specific target organ toxicity-       May cause respiratory irritation.         single exposure       Aspiration hazard         Aspiration hazard       Not an aspiration may be harmful.         Chronic effects       Prolonged inhalation may be harmful.         Ectotoxicological data       Components         Species       Test Results         Tetrasodium salt of ethylenediaminetetracetic acid tetrahydrate (CAS 1323-36-4)         Aquatic       Fish         Fish       LC50       Bluegill (Lepomis macrochrus)       472 - 500 mg/L, 96 hours         Per	Conjunctival oedema value	Not available.	
Canada - Alberta OELs: Irritant         Sodium hydroxide (CAS 1310-73-2)       Irritant         Respiratory sensitization       Not a respiratory sensitizar.         Skin sensitization       This product is not expected to cause skin sensitization.         Mutagenicity       No data available to indicate product or any components present at greater than 0.1% are mutagenic or genotoxic.         Carcinogenicity       Not classified.         OSHA Specifically Regulated Substances (29 CFR 1910.1001-1052)       Not itsed.         Reproductive toxicity       This product is not expected to cause reproductive or developmental effects.         Teratogenicity       Not classified.         Specific target organ toxicity-single exposure       May cause respiratory irritation.         Specific target organ toxicity - repeated exposure       Not classified.         Specific target organ toxicity - repeated exposure       Not classified.         Components       Species       Test Results         Components       Species       Test Results         Components       Species       Test Results         Firsh       LC50       Bluegil (Lepomis macrochirus)       472 - 500 mg/L, 96 hours         Persistence and degradability       No data available.       No data available.         Mobility in general       Not data available.       Not data available. <th>Recover days</th> <th>Not available.</th>	Recover days	Not available.	
Sodium hydroxide (CAS 1310-73-2)         Irritant           Respiratory sensitization         Not a respiratory sensitizer.           Skin sensitization         This product is not expected to cause skin sensitization.           Mutagenicity         No data available to indicate product or any components present at greater than 0.1% are mutagenic or genotoxic.           Carcinogenicity         Not classified.           OSHA Specifically Regulated Substances (29 CFR 1910.1001-1052)         Not issted.           Reproductive toxicity         This product is not expected to cause reproductive or developmental effects.           Teratogenicity         Not available.           Specific target organ toxicity- repeated exposure         May cause respiratory irritation.           Specific target organ toxicity- repeated exposure         Not an aspiration hazard.           Chronic effects         Prolonged inhalation may be harmful.           Chronic effects         Prolonged inhalation may be harmful.           Components         Species         Test Results           Tetrasodium salt of ethylenediaminetetracetic acid tetrahydrate (CAS 13235-36-4)         Aquatic           Fish         LC50         Bluegill (Lepomis macrochirus)         472 - 500 mg/L, 96 hours           Persistence and degradability         No data available.         No data available.           Mobility in general         Not avavaila	Respiratory or skin sensitization	1	
Respiratory sensitization         Not a respiratory sensitizer.           Skin sensitization         This product is not expected to cause skin sensitization.           Mutagenicity         No data available to indicate product or any components present at greater than 0.1% are mutagenic or genotoxic.           Carcinogenicity         Not classified.           OSHA Specifically Regulated Substances (29 CFR 1910.1001-1052) Not listed.         Not available in diacate productive or developmental effects.           Specific target organ toxicity         May cause respiratory irritation.         Specific target organ toxicity - Not classified.           Specific target organ toxicity - repeated exposure         Not an aspiration hazard.         Prolonged inhalation may be harmful.           Ecotoxicity         See below         Ecotoxicity         See below           Ecotoxicological data         Species         Test Results           Caracomulation stat of ethylenediamineteracetic acid tetrahydrate (CAS 13235-36-4)         Aquatic           Respiratory series         Mo data available.         Mo data available.           Mobility in soil         No data available.         Optochemical available.           Bish         LC50         Bluegill (Lepomis macrochirus)         472 - 500 mg/L, 96 hours           Persistence and degradability         No data available.         Mobility in general         No data available.	Canada - Alberta OELs: Irrit	ant	
Skin sensitization         This product is not expected to cause skin sensitization.           Mutagenicity         No data available to indicate product or any components present at greater than 0.1% are mutagenicity           OSHA Specifically Regulated Substances (29 CFR 1910.1001-1052) Not itsed.         Not classified.           OSHA Specifically Regulated Substances (29 CFR 1910.1001-1052) Not itsed.         Not classified.           Reproductive toxicity         This product is not expected to cause reproductive or developmental effects.           Specific target organ toxicity - specific target organ toxicity - repeated exposure         Not classified.           Specific target organ toxicity - repeated exposure         Not classified.           Chronic effects         Prolonged inhalation may be harmful.           Chronic effects         Species         Test Results           Components         Species         Test Results           Components         Species         Test Results           Persistence and degradability         No data available on the degradability of this product.         No data available.           Mobility in soil         No data available.         No other adverse environmental effects (e.g. ozone depletion, photochemical ozone creation potenial, endocrine disruption, global warming potential) are expected from this component.           Disposal instructions         Dispose of contents/container in accordance with local/regional/national/international regulat			
Mutagenicity         No data available to indicate product or any components present at greater than 0.1% are mutagenic or genotoxic.           Carcinogenicity         Not classified.           OSHA Specifically Regulated Substances (29 CFR 1910.1001-1052) Not listed.         Not available.           Reproductive toxicity         This product is not expected to cause reproductive or developmental effects.           Specific target organ toxicity - single exposure         May cause respiratory irritation.           Specific target organ toxicity - repeated exposure         Not classified.           Specific target organ toxicity - repeated exposure         Not classified.           Chronic effects         Prolonged inhalation may be harmful.           Ecotoxicological data         Specific target organ toxicity - see below           Ecotoxicological data         Specific Specific available.         Modata available.           Aquatic         Fish         LCSO         Bluegill (Lepomis macrochirus)         472 - 500 mg/L, 96 hours           Persistence and degradability         No data available.         No data available.         Modata available.           Mobility in soil         No data available.         No data available.         Dispose or contents/container in accordance with local/regional/national/international regulations.           Disposal instructions         Dispose or contents/container in accordance with local/regional/national/international regula		Not a respiratory sensitizer.	
mutagenic or genotoxic.           Carcinogenicity         Not classified.           OSHA Specifically Regulated Substances (29 CFR 1910.1001-1052) Not listed.         This product is not expected to cause reproductive or developmental effects.           Teratogenicity         Not available.         Specific arget organ toxicity - single exposure         May cause respiratory irritation.           Specific target organ toxicity - repeated exposure         Not classified.         Protect (Composition	Skin sensitization	This product is not expected to cause skin sensitization.	
OSHA Specifically Regulated Substances (29 CFR 1910.1001-1052) Not listed.       This product is not expected to cause reproductive or developmental effects.         Feratogenicity       Not available.         Specific target organ toxicity - single exposure       May cause respiratory irritation.         Specific target organ toxicity - repeated exposure       Not classified.         Specific target organ toxicity - repeated exposure       Not classified.         Aspiration hazard       Not an aspiration hazard.         Chronic effects       Prolonged inhalation may be harmful.         Ecotoxicological data       See below         Components       Species         Tetrasodium salt of ethylenediaminetetracetic acid tetrahydrate (CAS 13235-36-4) Aquatic Fish       LC50         Bioaccumulative potential       No data available on the degradability of this product.         Bioaccumulative potential       No data available.         Mobility in soil       No data available.         Mobility in soil       No data available.         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 regulations         Disposal instructions       Dispose of contents/container in accordance with local/regional/national/international regulat	Mutagenicity		
Not listed.           Reproductive toxicity         This product is not expected to cause reproductive or developmental effects.           Teratogenicity         Not available.           Specific target organ toxicity- single exposure         May cause respiratory irritation.           Specific target organ toxicity- repeated exposure         Not classified.           Aspiration hazard         Not an aspiration hazard.           Chronic effects         Prolonged inhalation may be harmful.           Ecotoxicity         See below           Ecotoxicological data         Species         Test Results           Chronoments         Species         Test Results           Tetrasodium salt of ethylenediaminetetracetic acid tetrahydrate (CAS 13235-36-4) Aquatic Fish         Acquatic available.         No data is available on the degradability of this product.           Bioaccumulative potential         No data available.         No data is available.         No data is available.           Mobility in soil         No data available.         No data available.         No ther adverse environmental effects (e.g. ozone depletion, photochemical ozone creation potential, endocrine disruption, global warming potential) are expected from this component.           Disposal instructions         Dispose of contents/container in accordance with all applicable regulations.         Dispose of on assee ondance with all applicable regulations.           Hazardous waste co	Carcinogenicity	Not classified.	
Teratogenicity       Not available.         Specific target organ toxicity- single exposure       May cause respiratory irritation.         Specific target organ toxicity- repeated exposure       Not classified.         Aspiration hazard       Not an aspiration hazard.         Chronic effects       Prolonged inhalation may be harmful.         Ecotoxicity       See below         Ecotoxicological data       Components         Components       Specise         Fish       LC50         Bioaccumulative potential       No data is available.         Mobility in soil       No data available.         Mobility in general       Not available.         Mobility in general       Not available.         Mobility in soil       No data available.         Mobility in general       Not available.         Other adverse effects       Dispose of contents/container in accordance with local/regional/national/international regulations.         Disposel instructions       Dispose of contents/container in accordance with local/regional/national/international regulations.         Hazardous waste code       The waste code should be assigned in discussion between the user, the producer and the waste disposal company.         Waste from residues / unused products       Since emptied containers may retain some product residue, follow label warning even after container is emproduct residue		d Substances (29 CFR 1910.1001-1052)	
Specific target organ toxicity- single exposure       May cause respiratory irritation.         Specific target organ toxicity- repeated exposure       Not classified.         Aspiration hazard       Not an aspiration hazard.         Chronic effects       Prolonged inhalation may be harmful.         Image: Component size of the target organ toxicity       See below         Ecotoxicological data       Species         Components       Species         Tetrasodium salt of ethylenediaminetetracetic acid tetrahydrate (CAS 13235-36-4)         Aquatic       Fish         Fish       LC50         Bluegill (Lepomis macrochirus)       472 - 500 mg/L, 96 hours         Persistence and degradability       No data is available on the degradability of this product.         Bioaccumulative potential       No data available.         Mobility in soil       No data available.         Mobility in general       Not available.         Other adverse effects       Disposel considerations         Disposal instructions       Dispose of contents/container in accordance with all applicable regulations.         Local disposal regulations       The waste code should be assigned in discussion between the user, the producer and the waste disposed of in a safe manner (sei: Disposal instructions).         Local disposal regulations       The waste code should be assigned in discussion between the us	Reproductive toxicity	This product is not expected to cause reproductive or developmental effects.	
single exposure       Not classified.         Specific target organ toxicity- repeated exposure       Not an aspiration hazard.         Chronic effects       Prolonged inhalation may be harmful.         Image: Species in the species	Teratogenicity	Not available.	
repeated exposure       Not an aspiration hazard.         Aspiration hazard       Not an aspiration hazard.         Chronic effects       Prolonged inhalation may be harmful.         Ecotoxicity       See below         Ecotoxicological data       Species       Test Results         Components       Species       Test Results         Aquatic       Fish       LC50       Bluegill (Lepomis macrochirus)       472 - 500 mg/L, 96 hours         Persistence and degradability       No data is available on the degradability of this product.       Modata available.         Mobility in soil       No data available.       No data available.         Mobility in general       Not available.       Other adverse environmental effects (e.g. ozone depletion, photochemical ozone creation potential, endocrine disruption, global warming potential) are expected from this component.         Disposal instructions       Dispose of contents/container in accordance with local/regional/national/international regulations.         Local disposal regulations       Dispose in accordance with all applicable regulations.       The waste code should be assigned in discussion between the user, the producer and the waste disposal company.         Waste from residues / unused products       Empty containers or liners may retain some product residue. follow label warnings even after container in semined. Enpty containers should be taken to an approved waste handling site for recycling or divert should be asten on an appro		May cause respiratory irritation.	
Chronic effects         Prolonged inhalation may be harmful.           I2. Ecological information           Ecotoxicity         See below           Ecotoxicological data         Components         Test Results           Components         Species         Test Results           Fish         LC50         Bluegill (Lepomis macrochirus)         472 - 500 mg/L, 96 hours           Persistence and degradability         No data is available on the degradability of this product.         No data available.           Mobility in soil         No data available.         No data available.           Mobility in general         Not available.         No data available.           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.           I3. Disposal considerations         Dispose of contents/container in accordance with local/regional/national/international regulations.           Hazardous waste code         Empty containers or liners may retain some product residues. This material and its container must be disposal company.           Waste from residues / unused products         Empty containers may retain product residue, follow label warnings even after container is emptied containers may retain product residue, follow label warnings even after container is emptied containers may retain product residue, follow label warnings even after containere is emptied.		Not classified.	
I2. Ecological information           Ecotoxicity         See below           Ecotoxicological data         Species         Test Results           Components         Species         Test Results           Tetrasodium salt of ethylenediaminetetracetic acid tetrahydrate (CAS 13235-36-4)         Aquatic           Fish         LC50         Bluegill (Lepomis macrochirus)         472 - 500 mg/L, 96 hours           Persistence and degradability         No data is available on the degradability of this product.         No data available.           Mobility in soil         No data available.         No data available.           Mobility in general         Not available.         No other adverse environmental effects (e.g. ozone depletion, photochemical ozone creation potential, endocrine disruption, global warming potential) are expected from this component.           Disposal instructions         Dispose of contents/container in accordance with local/regional/national/international regulations.           Hazardous waste code         Dispose in accordance with all applicable regulations.         The waste code should be assigned in discussion between the user, the producer and the waste disposal company.           Waste from residues / unused products         Empty containers 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 warm	Aspiration hazard	Not an aspiration hazard.	
Ecotoxicity         See below           Ecotoxicological data         Components         Test Results           Components         Species         Test Results           Tetrasodium salt of ethylenediaminetetracetic acid tetrahydrate (CAS 13235-36-4)         Aquatic           Fish         LC50         Bluegill (Lepomis macrochirus)         472 - 500 mg/L, 96 hours           Persistence and degradability         No data is available on the degradability of this product.         Bioaccumulative potential           Bioaccumulative potential         No data available.         Mobility in soil         No data available.           Mobility in soil         No data available.         Not available.         Motor adverse environmental effects (e.g. ozone depletion, photochemical ozone creation potential, endocrine disruption, global warming potential) are expected from this component.           Image: team of the graduations         Disposal instructions         Dispose of contents/container in accordance with local/regional/national/international regulations.           Hazardous waste code         The waste code should be assigned in discussion between the user, the producer and the waste disposal company.           Waste from residues / unused products         Empty containers or liners may retain some product residue. This material and its container must be disposal of in a safe manner (see: Disposal instructions).           Contaminated packaging         Since emptied containers may retain product residue, follow label	Chronic effects	Prolonged inhalation may be harmful.	
Ecotoxicological data         Species         Test Results           Tetrasodium salt of ethylenediaminetetracetic acid tetrahydrate (CAS 13235-36-4)         Aquatic         Fish         LC50         Bluegill (Lepomis macrochirus)         472 - 500 mg/L, 96 hours           Persistence and degradability         No data is available on the degradability of this product.         No data available.           Mobility in soil         No data available.         No data available.           Mobility in general         Not available.         No other adverse environmental effects (e.g. ozone depletion, photochemical ozone creation potential, endocrine disruption, global warming potential) are expected from this component.           Disposal instructions         Dispose of contents/container in accordance with local/regional/national/international regulations.           Local disposal regulations         Dispose in accordance with all applicable regulations.           Hazardous waste code         The waste code should be assigned in discussion between the user, the producer and the waste disposal company.           Waste from residues / unused products         Empty containers or liners may retain product residues. This material and its container must be disposed or 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		12. Ecological information	
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Tetrasodium salt of ethylenediaminetetracetic acid tetrahydrate (CAS 13235-36-4)         Aquatic         Fish       LC50       Bluegill (Lepomis macrochirus)       472 - 500 mg/L, 96 hours         Persistence and degradability       No data is available on the degradability of this product.       No data available.         Mobility in soil       No data available.       No data available.         Mobility in general       No tavailable.       No tavailable.         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.         Disposal instructions       Dispose of contents/container in accordance with local/regional/national/international regulations.         Local disposal regulations       Dispose of contents/container in accordance with all applicable regulations.         Hazardous waste code       The waste code should be assigned in discussion between the user, the producer and the waste disposal company.         Waste from residues / unused products       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	Ecotoxicological data		
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productsbe disposed of in a safe manner (see: Disposal instructions).Contaminated packagingSince 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 company.	
emptied. Empty containers should be taken to an approved waste handling site for recycling or	products	be disposed of in a safe manner (see: Disposal instructions).	
	Contaminated packaging	emptied. Empty containers should be taken to an approved waste handling site for recycling or	

# 14. Transport information

Transport of Dangerous Goods (TDG) Proof of Classification		ied as per Part 2, Sections $2.1 - 2.8$ of the Transportation of s. If applicable, the technical name and the classification of the
U.S. Department of Transportation	on (DOT)	
Not regulated as dangerous g	oods.	
Transportation of Dangerous Go		
Not regulated as dangerous g		
		bry information
	U U	•
Canadian federal regulations	contains all the information re	ied in accordance with the hazard criteria of the HPR and the SDS quired by the HPR.
Export Control List (CEPA 19 Not listed.	999, Schedule 3)	
Greenhouse Gases		
Not listed.		
Precursor Control Regulatio	ins	
Not regulated.		
WHMIS 2015 Exemptions	Controlled	
•	001110100	
US federal regulations	Standard, 29 CFR 1910.1200	
Not regulated. CERCLA Hazardous Substa	Notification (40 CFR 707, Sub	pt. D)
Sodium hydroxide (CAS 1		Listed.
SARA 304 Emergency releas		
	d Substances (29 CFR 1910.1	001-1052)
	outhorization Act of 1096 (CA	
Superfund Amendments and Rea	-	
SARA 302 Extremely hazardous substance	No	
SARA 311/312 Hazardous chemical	Yes	
Classified hazard categories	Corrosive to metal Skin corrosion or irritation Serious eye damage or eye ir	ritation
SARA 313 (TRI reporting) Not regulated.		
Other federal regulations		
-	112 Hazardous Air Pollutants	s (HAPs) List
Not regulated.		
Clean Air Act (CAA) Section	112(r) Accidental Release Pre	evention (40 CFR 68.130)
Not regulated.		
US state regulations	See below	
	us Substances (Director's): L	isted substance
Sodium hydroxide (C		Listed.
Sodium hydroxide (C	-	
Sodium hydroxide (C US - Minnesota Haz Sub	AS 1310-73-2)	Listed.
Sodium hydroxide (C		Listed. ce
	mopolymer, sodium salt (CAS	Listed.
Sodium hydroxide (C	thylenediaminetetracetic acid	Listed. Listed.

#### US. Massachusetts RTK - Substance List

Sodium hydroxide (CAS 1310-73-2)

- US. New Jersey Worker and Community Right-to-Know Act Sodium hydroxide (CAS 1310-73-2)
- US. Pennsylvania Worker and Community Right-to-Know Law Sodium hydroxide (CAS 1310-73-2)

### US. Rhode Island RTK

Sodium hydroxide (CAS 1310-73-2)

#### **US. California Proposition 65**

California Safe Drinking Water and Toxic Enforcement Act of 1986 (Proposition 65): This material is not known to contain any chemicals currently listed as carcinogens or reproductive toxins.

#### Inventory status

Country(s) or region	Inventory name O	n inventory (yes/no)*
Canada	Domestic Substances List (DSL)	Yes
Canada	Non-Domestic Substances List (NDSL)	No
United States & Puerto Rico	Toxic Substances Control Act (TSCA) Inventory	Yes
*A "Yes" indicates that all components of this product comply with the inventory requirements administered by the governing country(s)		

16. Other information

LEGEND	HEALTH / 2	
Severe4Serious3Moderate2Slight1Minimal0	FLAMMABILITY 0   PHYSICAL HAZARD 0   PERSONAL PROTECTION X	
Disclaimer	Information contained herein was obtained from sources considered technically accurate and reliable. While every effort has been made to ensure full disclosure of product hazards, in some cases data is not available and is so stated. Since conditions of actual product use are beyond control of the supplier, it is assumed that users of this material have been fully trained according to the requirements of all applicable legislation and regulatory instruments. No warranty, expressed or implied, is made and supplier will not be liable for any losses, injuries or consequential damages which may result from the use of or reliance on any information contained in this document.	
Issue date	29-April-2020	
Version #	04	
Effective date	29-April-2020	
Prepared by	Dell Tech Laboratories, Ltd. Phone: (519) 858-5021	
Further information	Not available.	
Other information	For an updated SDS, please contact the supplier/manufacturer listed on the first page of the document.	