

SAFETY DATA SHEET

1. Identification

Product identifier	BOILERMATE 3200C
Other means of identification	Not available.
Recommended use	Boiler Water Treatment
Recommended restrictions	None known.
Manufacturer	
Company name	Miura Canada Co., Ltd.
Address	4025 Sladeview Crescent, Unit 5&6
	Mississauga, ON
	L5L 5Y1
	Canada
Telephone	905-607-4289
	905-607-8329 (Fax)
	1-800-666-2182 (Toll Free)
E-mail	canada-customersupport@miuraz.com
Emergency phone number	613-996-6666 (CANUTEC) Transport
Supplier	See above.

2. Hazard identification

Physical hazards	Flammable liquids	Category 3
Health hazards	Acute toxicity, dermal	Category 4
	Skin corrosion/irritation	Category 1
	Serious eye damage/eye irritation	Category 1
	Reproductive toxicity	Category 2
Environmental hazards	Not classified.	
WHMIS 2015 defined hazards	Not classified	
Label elements		
Signal word	Danger	
Hazard statement	Flammable liquid and vapor. Harmful in conta damage. Suspected of damaging fertility.	act with skin. Causes severe skin burns and eye
Precautionary statement		
Prevention	Keep container tightly closed. Ground and bo explosion-proof equipment. Use only non-spa static discharge. Do not breathe mist or vapo product. Wash thoroughly after handling. We	arking tools. Take precautionary measures against r. Do not eat, drink or smoke when using this ear protective gloves, protective clothing, eye I instructions before use. Do not handle until all
Response	shower. Immediately call a POISON CENTER Specific treatment (see information on this lal	Ill contaminated clothing. Rinse skin with water or R. Wash contaminated clothing before reuse. bel). several minutes. Remove contact lenses, if present d keep comfortable for breathing. duce vomiting.
Storage	Store in a well-ventilated place. Keep cool. St	tore locked up.
Disposal	Dispose of container in accordance with local	l, regional, national and international regulations.

WHMIS 2015: Health Hazard(s)	None known			
not otherwise classified (HHNOC)				
WHMIS 2015: Physical Hazard(s) not otherwise classified (PHNOC)	None known			
Hazard(s) not otherwise classified (HNOC)	None known.			
Supplemental information	None.			
	3. Composition/Information on i	ngredients		
Mixture				
Chemical name	Common name and synonyms	CAS number	%	
Cyclohexylamine Morpholine		<u>108-91-8</u> 110-91-8	<u> </u>	
All concentrations are in percent by	y weight unless ingredient is a gas. Gas conce	entrations are in percent by volu	ime.	
Composition comments	*CANADA GHS: The exact percentage (cond	• •		
	trade secret. US GHS: The exact percentage (concentration secret in accordance with paragraph (i) of §1		thheld as a trade	
	4. First-aid measures	;		
Inhalation	IF INHALED: Remove person to fresh air and POISON CENTER or doctor.	keep comfortable for breathing	g. Immediately call a	
Skin contact	IF ON SKIN (or hair): Take off immediately a Immediately call a POISON CENTER or doct Specific treatment (see information on this la	tor. Wash contaminated clothing		
Eye contact	IF IN EYES: Rinse cautiously with water for s and easy to do. Continue rinsing. Immediated	everal minutes. Remove conta y call a POISON CENTER or d	act lenses, if present octor.	
Ingestion	IF SWALLOWED: Rinse mouth. Do NOT ind doctor.		a POISON CENTER or	
Most important symptoms/effects, acute and delayed	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.			
Indication of immediate medical attention and special treatment needed	Symptoms may be delayed.			
General information	Ensure that medical personnel are aware of protect themselves. Show this safety data sh sources of ignition. No smoking. Avoid conta chemical splash goggles. Keep out of reach	eet to the doctor in attendance act with eyes and skin. Wear ru	. Keep away from	
	5. Fire-fighting measur	es		
Suitable extinguishing media	Alcohol resistant foam. Water fog. Dry chem	ical powder. Carbon dioxide.		
Unsuitable extinguishing media	Do not use water jet as an extinguisher, as the			
Specific hazards arising from the chemical	Vapors may travel considerable distance to a explosive mixtures with air.	·		
Special protective equipment and precautions for firefighters	Firefighters should wear full protective clothin		athing apparatus.	
Fire-fighting equipment/instructions	Move containers from fire area if you can do			
Specific methods	Use standard firefighting procedures and cor	isider the hazards of other invo	lved materials.	
General fire hazards Hazardous combustion	Flammable liquid and vapor. May include and are not limited to: Oxides of	nitrogen. Oxides of carbon. An	nmonia.	
products		-		
	6. Accidental release mea	sures		
Personal precautions, protective equipment and emergency procedures	Eliminate all ignition sources (no smoking, fla touch damaged containers or spilled materia Ventilate closed spaces before entering then should be advised if significant spillages can 8 of the SDS.	l unless wearing appropriate pr n. Do not breathe mist or vapor.	otective clothing. . Local authorities	

thods and materials for ntainment and cleaning up	plastic sheet to prever to soak up the produc flush area with water.	nt spreading. Use a n t and place into a con Clean surface thorou iners for re-use. Preve	e the spilled material, where this is possible. Cov on-combustible material like vermiculite, sand o tainer for later disposal. Following product reco- ghly to remove residual contamination. Never re- ent entry into waterways, sewer, basements or o f the SDS.	r earth very, eturn
vironmental precautions	Do not discharge into	lakes, streams, pond	s or public waters.	
	7. Ha	Indling and stora	ge	
ecautions for safe handling	material from direct su Avoid contact with eye Wear appropriate pers Do not breathe mist of Use only with adequat Avoid prolonged expo Use good industrial hy Wash thoroughly after When using, do not ea	unlight. es, skin and clothing. sonal protective equip r vapor. te ventilation. sure. ygiene practices in ha r handling. at, drink or smoke.	ndling this material.	otect
nditions for safe storage, luding any incompatibilities	Store in a cool, dry pla Store in a well-ventilat Store away from incor Keep out of reach of c Store locked up.	ted place. mpatible materials (se	ght. e Section 10 of the SDS).	
	8. Exposure c	ontrols/Persona	I protection	
ounational ovnocura limite			•	
cupational exposure limits Canada. Alberta OELs (Occ	upational Health & Saf	ety Code, Schedule	1. Table 2)	
Components	Туре		Value	
Cyclohexylamine (CAS 108-91-8)	TWA		41 mg/m3	
			10 ppm	
Morpholine (CAS 110-91-8)	TWA		71 mg/m3 20 ppm	
Safety Regulation 296/97, as	s amended)	posure Limits for C	hemical Substances, Occupational Health an	d
Components	Туре		Value	
Cyclohexylamine (CAS 108-91-8)	TWA		10 ppm	
Morpholine (CAS 110-91-8)	TWA		20 ppm	
Canada. Manitoba OELs (Re Components	eg. 217/2006, The Work Type	place Safety And He	ealth Act) Value	
Cyclohexylamine (CAS 108-91-8)	TWA		10 ppm	
Morpholine (CAS 110-91-8)	TWA		20 ppm	
Canada. Ontario OELs. (Cor	trol of Exposure to Bi	ological or Chemica	I Agents)	
Components	Туре		Value	
Cyclohexylamine (CAS 108-91-8)	TWA		10 ppm	
Morpholine (CAS 110-91-8)	TWA		20 ppm	
Canada. Quebec OELs. (Mir Components	iistry of Labor - Regula Type	tion respecting occ	upational health and safety) Value	
Cyclohexylamine (CAS 108-91-8)	TWA		41 mg/m3	
Morpholine (CAS 110-91-8)	TWA		10 ppm 71 mg/m3 20 ppm	
Canada. Saskatchewan OEL Components	.s (Occupational Healt Type	h and Safety Regula	tions, 1996, Table 21) Value	
Cyclohexylamine (CAS 108-91-8)	15 minu	ıte	15 ppm	
	0 have		10	

8 hour

10 ppm

Components	Туре	Safety Regulations, 1996, Table 21) Value
Morpholine (CAS 110-91-8)	15 minute	30 ppm
	8 hour	20 ppm
US. OSHA Table Z-1 Limits	for Air Contaminants (29 CF	R 1910.1000)
Components	Туре	Value
Morpholine (CAS 110-91-8)	PEL	70 mg/m3
		20 ppm
US. ACGIH Threshold Limit		
Components	Туре	Value
Cyclohexylamine (CAS 108-91-8)	TWA	10 ppm
Morpholine (CAS 110-91-8)	TWA	20 ppm
US. NIOSH: Pocket Guide to	o Chemical Hazards	
Components	Туре	Value
Cyclohexylamine (CAS	TWA	40 mg/m3
108-91-8)		10 ppm
Morpholine (CAS 110-91-8)	STEL	105 mg/m3
	07LL	30 ppm
	TWA	70 mg/m3
		20 ppm
	No biological avecages limit	
ogical limit values		s noted for the ingredient(s).
osure guidelines	See above	
Canada - Alberta OELs: Ski	n designation	
Morpholine (CAS 110-91		Can be absorbed through the skin.
Canada - British Columbia	-	
Morpholine (CAS 110-91 Canada - Manitoba OELs: S		Can be absorbed through the skin.
Morpholine (CAS 110-91	•	Danger of cutaneous absorption
Canada - Ontario OELs: Ski		Danger of cutaneous absorption
Morpholine (CAS 110-91	•	Can be absorbed through the skin.
Canada - Quebec OELs: Sk	,	Ŭ
Morpholine (CAS 110-91		Can be absorbed through the skin.
Canada - Saskatchewan OE	Ls: Skin designation	
Morpholine (CAS 110-91		Can be absorbed through the skin.
US ACGIH Threshold Limit	-	
Morpholine (CAS 110-91	,	Danger of cutaneous absorption
	Chemical Hazards: Skin des	-
Morpholine (CAS 110-91	-8) for Air Contaminants (29 CF	Can be absorbed through the skin. B 1910 1000
Morpholine (CAS 110-91	•	Can be absorbed through the skin.
ropriate engineering	Ensure adequate ventilation	-
trols		
vidual protection measures	, such as personal protective	equipment
Eye/face protection		de shields (or goggles) and a face shield.
Skin protection Hand protection	Impervious aloves Confirm	with reputable supplier first.
-		
Othor	As required by employer co	
Other	where exposure duideline l	evels may be exceeded, use an approved NIOSH respirator.
Other Respiratory protection	Respirator should be selected professional following require	ed by and used under the direction of a trained health and safety rements found in OSHA's respirator standard (29 CFR 1910.134), s standard for respiratory protection (Z88.2).
	Respirator should be selected professional following require	rements found in OSHA's respirator standard (29 CFR 1910.134),
Respiratory protection	Respirator should be selected professional following required CAN/CSA-Z94.4 and ANSI's Not applicable.	rements found in OSHA's respirator standard (29 CFR 1910.134),

9. Physical and chemical properties

Appearance	Clear
Physical state	Liquid.
Form	Liquid
Color	Yellow to Brown
Odor	Amine
Odor threshold	Not available.
рН	11.1 (1% water solution)
Melting point/freezing point	Not available.
Initial boiling point and boiling range	Not available.
Pour point	Not available.
Specific gravity	1.01
Partition coefficient (n-octanol/water)	Not available.
Flash point	140.0 °F (60.0 °C) Tag Closed Cup
Evaporation rate	Not available.
Flammability (solid, gas)	Not applicable.
Upper/lower flammability or exp	losive 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.
	10. Stability and reactivity
Reactivity	May react with incompatible materials.
Possibility of hazardous reactions	Hazardous polymerization does not occur.
Chemical stability	Stable under recommended storage conditions.
Conditions to avoid	Avoid heat sparks open flames and other ignition sources. Avoid temperatures exceeding the

Conditions to avoidAvoid heat, sparks, open flames and other ignition sources. Avoid temperatures exceeding the
flash point. Do not mix with other chemicals.Incompatible materialsOxidizers. Acids.Hazardous decompositionMay include and are not limited to: Oxides of nitrogen. Oxides of carbon. Ammonia.

11. Toxicological information

Routes of exposure Eye, Skin contact, Skin absorption, Inhalation, Ingestion.

Information on likely routes of exposure					
Ingestion	May cause stomach distress, nausea or vomiting.				
Inhalation	Prolonged inhalation may be harmful.				
Skin contact	Harmful in contact with skin. Causes severe skin burns.				
Eye contact	Causes serious eye damage.				
Symptoms related to the physical, chemical and toxicological characteristics	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.				

Information on toxicological effects

products

Acute toxicity	Harmful in contact with skin.		
Components	Species	Test Results	6
Cyclohexylamine (CAS 108-91-8)			
Acute			
Dermal			
LD50	Rabbit	275 mg/kg, 2	4 Hours, ECHA
Inhalation			
LC50	Rat	16.2 mg/L, 4 as 4000ppm	Hours, HSDB/CCOHS: cited
<i>Oral</i> LD50	Rat	150 - 1660 m	ng/kg, ECHA
Morpholine (CAS 110-91-8)			
Acute			
Dermal			
LD50	Rabbit	500 mg/kg, 2	4 Hours, ECHA
Inhalation			
LC50	Rat	8 mg/L, ECH	A
Oral			
LD50	Rat	1900 mg/kg,	ECHA
Skin corrosion/irritation	Causes severe skin burns an	l eve damage.	
Exposure minutes	Not available.	, ,	
Erythema value	Not available.		
Oedema value	Not available.		
Serious eye damage/eye	Causes serious eye damage.		
irritation	Causes schous eye damage.		
Corneal opacity value	Not available.		
Iris lesion value	Not available.		
Conjunctival reddening value	Not available.		
Conjunctival oedema value	Not available.		
Recover days	Not available.		
Respiratory or skin sensitization	I		
Canada - Alberta OELs: Irrita			
Cyclohexylamine (CAS 10)8-91-8)	Irritant	
Respiratory sensitization	Not available.		
Skin sensitization	Prolonged or repeated expos	ire can cause drying, defatting and de	ermatitis.
Mutagenicity	Not classified.		
Carcinogenicity	Not classified.		
	Evaluation of Carcinogenicity		
Morpholine (CAS 110-91-		Volume 47, Volume 71 - 3 Not class humans.	sifiable as to carcinogenicity to
OSHA Specifically Regulated Not listed.	d Substances (29 CFR 1910.1		
Reproductive toxicity	Suspected of damaging fertil	y or the unborn child.	
Teratogenicity	Not classified.		
Specific target organ toxicity - single exposure	Not classified.		
Specific target organ toxicity - repeated exposure	Not classified.		
Aspiration hazard	Not classified.		
Chronic effects	Prolonged inhalation may be	narmful.	
		al information	

Ecotoxicity

See below

Ecotoxicological data Components		Species	Test Results
Cyclohexylamine (CAS 108-91-8))		
Aquatic	,		
Fish	LC50	Rainbow trout,donaldson trout (Oncorhynchus mykiss)	44 mg/L, 96 hours
Morpholine (CAS 110-91-8) Aquatic			
Fish	LC50	Zebra danio (Danio rerio)	> 1 mg/L, 96 hours
Persistence and degradability	No data is av	vailable on the degradability of this pro-	duct.
Bioaccumulative potential	No data avai	lable.	
Mobility in soil	No data avai	lable.	
Mobility in general	Not available	9.	
Other adverse effects			e depletion, photochemical ozone creation ential) are expected from this component.
		13. Disposal considerations	
Disposal instructions	-		ocal/regional/national/international regulations.
Local disposal regulations	•	ccordance with all applicable regulation	
Hazardous waste code	disposal con	npany.	between the user, the producer and the waste
Waste from residues / unused products	be disposed	of in a safe manner (see: Disposal ins	
Contaminated packaging			waste handling site for recycling or disposal. ue, follow label warnings even after container is
		14. Transport information	
Transport of Dangerous Goods (TDG) Proof of Classification	Dangerous (tions 2.1 – 2.8 of the Transportation of echnical name and the classification of the
U.S. Department of Transportation	•		
Basic shipping requiremer			
UN number	UN2734		
Proper shipping name		l, corrosive, flammable, n.o.s.	
Technical name	MORPHOLI		
Technical name Hazard class	Cyclohexylaı 8	mine	
Subsidiary hazard class	3		
Packing group	II.		
Special provisions	IB2, T11, TP		
Transportation of Dangerous G	•	anada)	
Basic shipping requiremer			
UN number Proper shipping name	UN2734	QUID, CORROSIVE, FLAMMABLE, N.(28
Technical name	MORPHOLI		0.8.
Technical name	Cyclohexyla		
Hazard class	8		
Subsidiary hazard class	3		
Packing group Special provisions	II 16		
DOT	10		
CORROSIVE 8	FLAMMABLE 3	LIQUID	



15. Regulatory information

Canadian federal regulations This product has been classified in accordance with the hazard criteria of the HPR and the SDS contains all the information required by the HPR.

	contains an the information	
Export Control List (CEPA 1	999, Schedule 3)	
Not listed.		
Greenhouse Gases		
Not listed. Precursor Control Regulation	200	
Not regulated.	ons	
WHMIS 2015 Exemptions	Controlled	
US federal regulations		us Chemical" as defined by the OSHA Hazard Communication
	Standard, 29 CFR 1910.12	00.
TSCA Section 12(b) Export	Notification (40 CFR 707, Su	ubpt. D)
Not regulated. CERCLA Hazardous Substa	nce List (40 CFR 302.4)	
Cyclohexylamine (CAS 1		Listed.
Morpholine (CAS 110-91	,	Listed.
SARA 304 Emergency releas		10000 L DS
Cyclohexylamine (CAS 1) OSHA Specifically Regulate		10000 LBS 0.1001-1052)
Not listed.		
Superfund Amendments and Re	authorization Act of 1986 (SABA)
SARA 302 Extremely	No	
hazardous substance		
SARA 311/312 Hazardous chemical	Yes	
Chemical		
Classified hazard categories	Flammable (gases, aerosol Acute toxicity (any route of Skin corrosion or irritation Serious eye damage or eye Reproductive toxicity	exposure)
Classified hazard	Acute toxicity (any route of Skin corrosion or irritation Serious eye damage or eye	exposure)
Classified hazard categories SARA 313 (TRI reporting)	Acute toxicity (any route of Skin corrosion or irritation Serious eye damage or eye	exposure)
Classified hazard categories SARA 313 (TRI reporting) Not regulated.	Acute toxicity (any route of Skin corrosion or irritation Serious eye damage or eye Reproductive toxicity	exposure)
Classified hazard categories SARA 313 (TRI reporting) Not regulated. Other federal regulations Clean Air Act (CAA) Section Not regulated.	Acute toxicity (any route of Skin corrosion or irritation Serious eye damage or eye Reproductive toxicity 112 Hazardous Air Pollutar	exposure) e irritation nts (HAPs) List
Classified hazard categories SARA 313 (TRI reporting) Not regulated. Other federal regulations Clean Air Act (CAA) Section	Acute toxicity (any route of Skin corrosion or irritation Serious eye damage or eye Reproductive toxicity 112 Hazardous Air Pollutar 112(r) Accidental Release	exposure) e irritation nts (HAPs) List
Classified hazard categories SARA 313 (TRI reporting) Not regulated. Other federal regulations Clean Air Act (CAA) Section Not regulated. Clean Air Act (CAA) Section	Acute toxicity (any route of Skin corrosion or irritation Serious eye damage or eye Reproductive toxicity 112 Hazardous Air Pollutar 112(r) Accidental Release	exposure) e irritation nts (HAPs) List
Classified hazard categories SARA 313 (TRI reporting) Not regulated. Other federal regulations Clean Air Act (CAA) Section Not regulated. Clean Air Act (CAA) Section Cyclohexylamine (CAS 1) US state regulations	Acute toxicity (any route of Skin corrosion or irritation Serious eye damage or eye Reproductive toxicity 112 Hazardous Air Pollutar 112(r) Accidental Release 08-91-8) See below	exposure) e irritation nts (HAPs) List Prevention (40 CFR 68.130)
Classified hazard categories SARA 313 (TRI reporting) Not regulated. Other federal regulations Clean Air Act (CAA) Section Not regulated. Clean Air Act (CAA) Section Cyclohexylamine (CAS 1) US state regulations	Acute toxicity (any route of Skin corrosion or irritation Serious eye damage or eye Reproductive toxicity 112 Hazardous Air Pollutar 112(r) Accidental Release 08-91-8) See below us Substances (Director's):	exposure) e irritation nts (HAPs) List Prevention (40 CFR 68.130)
Classified hazard categories SARA 313 (TRI reporting) Not regulated. Other federal regulations Clean Air Act (CAA) Section Not regulated. Clean Air Act (CAA) Section Cyclohexylamine (CAS 1) US state regulations US - California Hazardo Cyclohexylamine (CA	Acute toxicity (any route of Skin corrosion or irritation Serious eye damage or eye Reproductive toxicity 112 Hazardous Air Pollutar 112(r) Accidental Release 08-91-8) See below us Substances (Director's): AS 108-91-8) D-91-8)	exposure) e irritation nts (HAPs) List Prevention (40 CFR 68.130) : Listed substance Listed. Listed.
Classified hazard categories SARA 313 (TRI reporting) Not regulated. Other federal regulations Clean Air Act (CAA) Section Not regulated. Clean Air Act (CAA) Section Cyclohexylamine (CAS 1) US state regulations US - California Hazardo Cyclohexylamine (C/ Morpholine (CAS 11) US - Illinois Chemical S	Acute toxicity (any route of Skin corrosion or irritation Serious eye damage or eye Reproductive toxicity 112 Hazardous Air Pollutar 112(r) Accidental Release 08-91-8) See below us Substances (Director's): AS 108-91-8) 0-91-8) afety Act: Listed substance	exposure) e irritation nts (HAPs) List Prevention (40 CFR 68.130) : Listed substance Listed. Listed.
Classified hazard categories SARA 313 (TRI reporting) Not regulated. Other federal regulations Clean Air Act (CAA) Section Not regulated. Clean Air Act (CAA) Section Cyclohexylamine (CAS 10) US state regulations US - California Hazardo Cyclohexylamine (CAS 11) US - Illinois Chemical S Cyclohexylamine (C/	Acute toxicity (any route of Skin corrosion or irritation Serious eye damage or eye Reproductive toxicity 112 Hazardous Air Pollutar 112(r) Accidental Release 08-91-8) See below us Substances (Director's): AS 108-91-8) 0-91-8) afety Act: Listed substance AS 108-91-8)	exposure) e irritation nts (HAPs) List Prevention (40 CFR 68.130) : Listed substance Listed. Listed.
Classified hazard categories SARA 313 (TRI reporting) Not regulated. Other federal regulations Clean Air Act (CAA) Section Not regulated. Clean Air Act (CAA) Section Cyclohexylamine (CAS 1) US state regulations US - California Hazardo Cyclohexylamine (C/ Morpholine (CAS 11) US - Illinois Chemical S Cyclohexylamine (C/ Morpholine (CAS 11)	Acute toxicity (any route of Skin corrosion or irritation Serious eye damage or eye Reproductive toxicity 112 Hazardous Air Pollutar 112(r) Accidental Release 08-91-8) See below us Substances (Director's): AS 108-91-8) 0-91-8) afety Act: Listed substance AS 108-91-8) 0-91-8)	exposure) e irritation nts (HAPs) List Prevention (40 CFR 68.130) : Listed substance Listed. Listed.
Classified hazard categories SARA 313 (TRI reporting) Not regulated. Other federal regulations Clean Air Act (CAA) Section Not regulated. Clean Air Act (CAA) Section Cyclohexylamine (CAS 10 US state regulations US - California Hazardo Cyclohexylamine (CAS 110 US - Illinois Chemical S Cyclohexylamine (CAS 110 US - Illinois Chemical S Cyclohexylamine (CAS 110 US - Louisiana Spill Reg	Acute toxicity (any route of Skin corrosion or irritation Serious eye damage or eye Reproductive toxicity 112 Hazardous Air Pollutar 112(r) Accidental Release 08-91-8) See below us Substances (Director's): AS 108-91-8) 0-91-8) afety Act: Listed substance AS 108-91-8) 0-91-8) borting: Listed substance	exposure) e irritation nts (HAPs) List Prevention (40 CFR 68.130) : Listed substance Listed. Listed.
Classified hazard categories SARA 313 (TRI reporting) Not regulated. Other federal regulations Clean Air Act (CAA) Section Not regulated. Clean Air Act (CAA) Section Cyclohexylamine (CAS 11 US state regulations US - California Hazardo Cyclohexylamine (C/ Morpholine (CAS 110 US - Illinois Chemical S Cyclohexylamine (C/ Morpholine (CAS 110 US - Louisiana Spill Rep Cyclohexylamine (C/ Morpholine (CAS 110	Acute toxicity (any route of Skin corrosion or irritation Serious eye damage or eye Reproductive toxicity 112 Hazardous Air Pollutar 112(r) Accidental Release 08-91-8) See below us Substances (Director's): AS 108-91-8) D-91-8) afety Act: Listed substance AS 108-91-8) D-91-8) orting: Listed substance AS 108-91-8) D-91-8)	exposure) e irritation nts (HAPs) List Prevention (40 CFR 68.130) : Listed substance Listed. Listed.
Classified hazard categories SARA 313 (TRI reporting) Not regulated. Other federal regulations Clean Air Act (CAA) Section Not regulated. Clean Air Act (CAA) Section Cyclohexylamine (CAS 10 US state regulations US - California Hazardo Cyclohexylamine (CAS 110 US - Illinois Chemical S Cyclohexylamine (CAS 110 US - Illinois Chemical S Cyclohexylamine (CAS 110 US - Louisiana Spill Reg Cyclohexylamine (CAS 110	Acute toxicity (any route of Skin corrosion or irritation Serious eye damage or eye Reproductive toxicity 112 Hazardous Air Pollutar 112(r) Accidental Release 08-91-8) See below us Substances (Director's): AS 108-91-8) 0-91-8) afety Act: Listed substance AS 108-91-8) 0-91-8) borting: Listed substance AS 108-91-8) 0-91-8) borting: Listed substance AS 108-91-8) 0-91-8) borting: Listed substance	exposure) e irritation nts (HAPs) List Prevention (40 CFR 68.130) : Listed substance Listed. Listed.

Canada	Domestic Substan	ices List (DSL)	Ye
Country(s) or regi	on Inventory name		On inventory (yes/no)
Inventory status			
	•		65): This material is not known to contain
	rlamine (CAS 108-91-8) e (CAS 110-91-8)		
US. Rhode Isl	and RTK		
	rlamine (CAS 108-91-8) e (CAS 110-91-8)		
	e (CAS 110-91-8) ania Worker and Community	Right-to-Know Law	
	lamine (CAS 108-91-8)		
•	ey Worker and Community Ri	ight-to-Know Act	
	rlamine (CAS 108-91-8) e (CAS 110-91-8)		
US. Massachu	usetts RTK - Substance List		
	rlamine (CAS 108-91-8) e (CAS 110-91-8)	Listed. Listed.	
US - Texas Ef	fects Screening Levels: Liste	d substance	
Morpholin	e (CAS 110-91-8)	Listed.	

Country(s) or region	Inventory name On Inventory (y	es/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 compon	ents of this product comply with the inventory requirements administered by the governing country(s)	

16. Other information

* 3

2

0

Х

HEALTH

FLAMMABILITY

PERSONAL

PROTECTION

PHYSICAL HAZARD

LEGEND	
Severe	4
Serious	3
Moderate	2
Slight	1
Minimal	0

Disclaimer

Issue date

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. 20-December-2021

2

0

3

Version #	04
Effective date	20-December-2021
Prepared by	Dell Tech Laboratories, Ltd. Phone: (519) 858-5021
Further information	For an updated SDS, please contact the supplier/manufacturer listed on the first page of the document.
Other information	For an updated SDS, please contact the supplier/manufacturer listed on the first page of the document.