

SECTION 1: Identification

1000CR-B

Safety Data Sheet according to Federal Register / Vol. 77, No. 58 / Monday, March 26, 2012 / Rules and Regulations Date of issue: 11/03/2016

1.1.IdentificationProduct form			
Product form			
		: Mixture	
Product name		: 1000CR-B	
Product code		: 1000CR-B	
Other means of identificat	tion	: 1000CR-B/1, 1000CR-B/5, 1000CR-B/55,1000CR-B/Q	
1.2. Relevant ident	ified uses of the subs	tance or mixture and uses advised against	
No additional information	available		
1.3. Details of the s	supplier of the safety of	data sheet	
Protective Industrial Polyr 7875 Bliss Parkway North Ridgeville, Ohio 440 T 440-327-0015 www.protectpoly.com 1.4. Emergency tel			
Emergency number		: Chemtrec: 800-427-9300 (Outside USA) 703-527-3887	
0,			
SECTION 2: Hazard	d(s) identification		
2.1. Classification	of the substance or m	ixture	
GHS-US classification			
Acute toxicity (oral)	H302		
Category 4 Acute toxicity (inhalation:dust,mist) Category 4	H332		
Skin corrosion/irritation	H314		
Category 1A Skin sensitization	H317		
Category 1 Specific target organ toxicity (single exposure) Category 2	H371		
Full text of H statements :	: see section 16		
2.2. Label elements	e		
GHS-US labeling	-US)		
GHS-US labeling Hazard pictograms (GHS-		GHS05 GHS07 GHS08	
Hazard pictograms (GHS-		GHS05 GHS07 GHS08 : Danger	
Hazard pictograms (GHS- Signal word (GHS-US)		 GHS05 GHS07 GHS08 Danger Benzenemethanol; 1-Piperazine ethanamine; (4,4'-diaminodicyclohexyl)methane; Formaldehyde, polymer with benzenamine, hydrogenated; 2,4,6-tris(dimethylaminomethyl)phenol 	
Hazard pictograms (GHS- Signal word (GHS-US) Contains	-US)	 Danger Benzenemethanol; 1-Piperazine ethanamine; (4,4'-diaminodicyclohexyl)methane; Formaldehyde, polymer with benzenamine, hydrogenated; 2,4,6- 	
GHS-US labeling Hazard pictograms (GHS- Signal word (GHS-US) Contains Hazard statements (GHS- Precautionary statements	,	 Danger Benzenemethanol; 1-Piperazine ethanamine; (4,4'-diaminodicyclohexyl)methane; Formaldehyde, polymer with benzenamine, hydrogenated; 2,4,6- tris(dimethylaminomethyl)phenol H302+H332 - Harmful if swallowed or if inhaled H314 - Causes severe skin burns and eye damage H317 - May cause an allergic skin reaction 	

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P301+P330+P331 - If swallowed: rinse mouth. Do NOT induce vomiting

P302+P352 - If on skin: Wash with plenty of soap P303+P361+P353 - If on skin (or hair): Take off immediately all contaminated clothing. Rinse skin with water/shower

P304+P340 - If inhaled: Remove person to fresh air and keep comfortable for breathing P305+P351+P338 - If in eyes: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing

- P310 Immediately call a doctor
- P312 Call a doctor if you feel unwell
- P321 Specific treatment (see a doctor if symptoms do not go away. on this label)
- P330 Rinse mouth

P333+P313 - If skin irritation or rash occurs: Get medical advice/attention

- P363 Wash contaminated clothing before reuse
- P405 Store locked up
- P501 Dispose of contents/container to in accordance with local regulations

2.3. Other hazards

No additional information available

2.4. Unknown acute toxicity (GHS US)

Not applicable

SECTION 3: Composition/Information on ingredients

3.1. Substance

Not applicable

3.2.	M	ixtur
·		IALUI

Name	Product identifier	%	GHS-US classification
Benzenemethanol	(CAS No) 100-51-6	< 40	Acute Tox. 4 (Oral), H302 Acute Tox. 4 (Inhalation), H332 Eye Irrit. 2A, H319 Aquatic Acute 2, H401
Formaldehyde, polymer with benzenamine, hydrogenated	(CAS No) 135108-88-2	40 - 40	Acute Tox. 4 (Oral), H302
1-Piperazine ethanamine	(CAS No) 140-31-8	0 - 15	Flam. Liq. 4, H227 Acute Tox. 4 (Oral), H302 Acute Tox. 3 (Dermal), H311 Skin Corr. 1A, H314 Skin Sens. 1, H317 Aquatic Chronic 3, H412
(4,4'-diaminodicyclohexyl)methane	(CAS No) 1761-71-3	0 - 5	Acute Tox. 4 (Oral), H302 Skin Corr. 1A, H314 Skin Sens. 1B, H317 STOT SE 2, H371 Aquatic Acute 2, H401
2,4,6-tris(dimethylaminomethyl)phenol	(CAS No) 90-72-2	0 - 5	Acute Tox. 4 (Oral), H302 Skin Irrit. 2, H315

Full text of H-phrases: see section 16

SECTION 4: First aid measures	
4.1. Description of first aid measures	
First-aid measures general	: Call a physician immediately.
First-aid measures after inhalation	 Remove person to fresh air and keep comfortable for breathing. Call a poison center/doctor/physician if you feel unwell.
First-aid measures after skin contact	 Rinse skin with water/shower. Remove/Take off immediately all contaminated clothing. Call a physician immediately.
First-aid measures after eye contact	 Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. Call a physician immediately.
First-aid measures after ingestion	: Rinse mouth. Do not induce vomiting. Call a physician immediately.
4.2. Most important symptoms and effe	ects, both acute and delayed
Symptoms/injuries after skin contact	: Burns. May cause an allergic skin reaction.
Symptoms/injuries after eye contact	: Serious damage to eyes.
4.3 Indication of any immediate medic	al attention and special treatment needed

4.3. Indication of any immediate medical attention and special treatment needed

Treat symptomatically.

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SECTION 5: Firefighting measures	
5.1. Extinguishing media	
Suitable extinguishing media	: Alcohol resistant foam, water, water fog, CO2, dry chemical, dry sand, limestone powder.
5.2. Special hazards arising from the s	substance or mixture
Fire hazard	: Combustible liquid.
Explosion hazard	: may be ignited by sparks.
Reactivity	: Product is not explosive.
5.3. Advice for firefighters	
Protection during firefighting	: Do not attempt to take action without suitable protective equipment. Self-contained breathing apparatus. Complete protective clothing.
SECTION 6: Accidental release me	asures
6.1. Personal precautions, protective of	equipment and emergency procedures
6.1.1. For non-emergency personnel	
No additional information available	
6.1.2. For emergency responders	
Protective equipment	: Do not attempt to take action without suitable protective equipment. For further information refer to section 8: "Exposure controls/personal protection".
6.2. Environmental precautions	
Avoid release to the environment.	
6.3. Methods and material for contain	nent and cleaning up
For containment	: Contain released substance, pump into suitable containers.
Methods for cleaning up	: Take up liquid spill into absorbent material. Notify authorities if product enters sewers or public waters.
Other information	: Dispose of materials or solid residues at an authorized site.
6.4. Reference to other sections	
For further information refer to section 13.	
SECTION 7: Handling and storage	
7.1. Precautions for safe handling	
Precautions for safe handling	: Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking. Wear personal protective equipment. Do not breathe vapors. Use only outdoors or in a well-ventilated area. Avoid contact with skin and eyes.
Hygiene measures	 Wash contaminated clothing before reuse. Contaminated work clothing should not be allowed out of the workplace. Do not eat, drink or smoke when using this product. Always wash hands after handling the product.
7.2. Conditions for safe storage, inclu	ding any incompatibilities
Storage conditions	: Store in a well-ventilated place. Keep cool. Store locked up.
Incompatible materials	: Combustible materials. Sources of ignition.
SECTION 8: Exposure controls/pe	rsonal protection
8.1. Control parameters	
Benzenemethanol (100-51-6)	
Not applicable	
1-Piperazine ethanamine (140-31-8)	
Not applicable	
(4,4'-diaminodicyclohexyl)methane (1761- Not applicable	71-3)
	a hydroganated (135108-88-2)
Formaldehyde, polymer with benzenamine	e, iiyuloyelidleu (133100-00-2)
Not applicable	
2,4,6-tris(dimethylaminomethyl)phenol (90)-72-2)
	D-72-2)

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: Ensure good ventilation of the work station.
: protective gloves.
: Safety glasses.
: Wear suitable protective clothing.
: Wear respiratory protection.
: Avoid release to the environment.

9.1. Information on basic physical and che	emical properties
Physical state	: Liquid
Color	: amber
Odor	: Ammonical
Odor threshold	: No data available
pH	: Alkaline
Melting point	: No data available
Freezing point	: No data available
Boiling point	: > 392 °F
Flash point	: >100 °C
Relative evaporation rate (butyl acetate=1)	: No data available
Flammability (solid, gas)	: No data available
Explosion limits	: No data available
Explosive properties	: No data available
Oxidizing properties	: No data available
Vapor pressure	: No data available
Relative density	: 1.03
Relative vapor density at 20 °C	: No data available
Solubility	: Water: < 0.1 g/l
Log Pow	: No data available
Auto-ignition temperature	: No data available
Decomposition temperature	: No data available
Viscosity	: No data available
Viscosity, kinematic	: No data available
Viscosity, dynamic	: No data available
9.2. Other information	
No additional information available	

SECTIO	DN 10: Stability and reactivity
10.1.	Reactivity
Product is	s not explosive.
10.2.	Chemical stability
Stable un	der normal conditions.
10.3.	Possibility of hazardous reactions
Will not o	ccur.
10.4.	Conditions to avoid
Avoid cor	ntact with hot surfaces. Heat. No flames, no sparks. Eliminate all sources of ignition.
10.5.	Incompatible materials
organic a	cids.
10.6.	Hazardous decomposition products

Ammonia. Aldehydes. Carbon dioxide. Carbon monoxide. Nitrogen.

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SECTION 11: Toxicological information

11.1. Information on toxicological effects

: Oral: Harmful if swallowed. Inhalation:dust,mist: Harmful if inhaled.

1000CR-B	
ATE US (oral)	640.804 mg/kg body weight
ATE US (dust, mist)	3.750 mg/l/4h
Benzenemethanol (100-51-6)	
LD50 oral rat	1620 mg/kg (Rat; Experimental value)
LD50 dermal rabbit	> 2000 mg/kg (Rabbit; Inconclusive, insufficient data)
ATE US (oral)	1620.000 mg/kg body weight
ATE US (gases)	4500.000 ppmV/4h
ATE US (vapors)	11.000 mg/l/4h
ATE US (dust, mist)	1.500 mg/l/4h
1-Piperazine ethanamine (140-31-8)	
ATE US (oral)	1470.000 mg/kg body weight
ATE US (dermal)	880.000 mg/kg body weight
(4,4'-diaminodicyclohexyl)methane (1761-71-	-3)
LD50 oral rat	625 mg/kg (Rat; OECD 401: Acute Oral Toxicity; Experimental value)
LD50 dermal rabbit	2110 mg/kg body weight (Rabbit; Experimental value; OECD 402: Acute Dermal Toxicity)
ATE US (oral)	625.000 mg/kg body weight
ATE US (dermal)	2110.000 mg/kg body weight
Formaldehyde, polymer with benzenamine, h	nydrogenated (135108-88-2)
LD50 oral rat	367 mg/kg
ATE US (oral)	367.000 mg/kg body weight
2,4,6-tris(dimethylaminomethyl)phenol (90-7	2-2)
LD50 oral rat	1200 mg/kg (Rat; Equivalent or similar to OECD 401; Literature study; 2169 mg/kg bodyweight; Rat; Experimental value)
LD50 dermal rat	> 2000 mg/kg (Rat; Literature study; Other; >1 ml/kg; Rat; Experimental value)
ATE US (oral)	1200.000 mg/kg body weight
Skin corrosion/irritation	: Causes severe skin burns and eye damage.
	pH: Alkaline
Serious eye damage/irritation	Not classified
	pH: Alkaline
Respiratory or skin sensitization	: May cause an allergic skin reaction.
Germ cell mutagenicity	: Not classified
Carcinogenicity	: Not classified
Reproductive toxicity	: Not classified
Specific target organ toxicity (single exposure)	: May cause damage to organs (oral).
Specific target organ toxicity (repeated exposure)	: Not classified
Aspiration hazard	: Not classified
Symptoms/injuries after skin contact	: Burns. May cause an allergic skin reaction.
Symptoms/injuries after eye contact	: Serious damage to eyes.
SECTION 12: Ecological information	

: Before neutralisation, the product may represent a danger to aquatic organisms.

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Benzenemethanol (100-51-6)	
LC50 fish 1	460 mg/l (LC50; EPA OPP 72-1; 96 h; Pimephales promelas; Static system; Fresh water; Experimental value)
1-Piperazine ethanamine (140-31-8)	
LC50 fish 1	> 100 mg/l (LC50; OECD 203: Fish, Acute Toxicity Test; 96 h; Oncorhynchus mykiss; Semi- static system; Fresh water; Experimental value)
EC50 Daphnia 1	58 mg/l (EC50; OECD 202: Daphnia sp. Acute Immobilisation Test; 48 h; Daphnia magna; Static system)
Threshold limit algae 2	> 1000 mg/l (EC50; OECD 201: Alga, Growth Inhibition Test; 72 h; Selenastrum capricornutum; Fresh water)
(4,4'-diaminodicyclohexyl)methane (1761-71-	3)
EC50 Daphnia 2	6.84 mg/l (EC50; OECD 202: Daphnia sp. Acute Immobilisation Test; 48 h; Daphnia magna; Static system; Fresh water; Experimental value)
Threshold limit algae 1	141.42-200,ErC50; DIN 38412-9; 72 h; Desmodesmus subspicatus; Static system; Fresh water; Experimental value
Threshold limit algae 2	141.42-200,EbC50; DIN 38412-9; 72 h; Desmodesmus subspicatus; Static system; Fresh water; Experimental value
2,4,6-tris(dimethylaminomethyl)phenol (90-72	2-2)
EC50 Daphnia 2	41.3 mg/l (LC50; 48 h; Daphnia magna)
Threshold limit algae 2	84 mg/l (EC50; OECD 201: Alga, Growth Inhibition Test; 72 h; Scenedesmus subspicatus; Static system; Fresh water; Experimental value)
2.2. Persistence and degradability	
1000CR-B	
	Not established
Persistence and degradability	Not established.
Persistence and degradability Benzenemethanol (100-51-6)	
Persistence and degradability Benzenemethanol (100-51-6) Persistence and degradability	Not established. Readily biodegradable in water. Biodegradable in the soil. No (test)data on mobility of the substance available.
Persistence and degradability Benzenemethanol (100-51-6)	Readily biodegradable in water. Biodegradable in the soil. No (test)data on mobility of the
Persistence and degradability Benzenemethanol (100-51-6) Persistence and degradability Biochemical oxygen demand (BOD) Chemical oxygen demand (COD)	Readily biodegradable in water. Biodegradable in the soil. No (test)data on mobility of the substance available.
Persistence and degradability Benzenemethanol (100-51-6) Persistence and degradability Biochemical oxygen demand (BOD) Chemical oxygen demand (COD)	 Readily biodegradable in water. Biodegradable in the soil. No (test)data on mobility of the substance available. 1.6 g O₂/g substance
Persistence and degradability Benzenemethanol (100-51-6) Persistence and degradability Biochemical oxygen demand (BOD) Chemical oxygen demand (COD)	Readily biodegradable in water. Biodegradable in the soil. No (test)data on mobility of the substance available. 1.6 g O₂/g substance 2.4 g O₂/g substance
Persistence and degradability Benzenemethanol (100-51-6) Persistence and degradability Biochemical oxygen demand (BOD) Chemical oxygen demand (COD) ThOD 1-Piperazine ethanamine (140-31-8)	Readily biodegradable in water. Biodegradable in the soil. No (test)data on mobility of the substance available. 1.6 g O₂/g substance 2.4 g O₂/g substance
Persistence and degradability Benzenemethanol (100-51-6) Persistence and degradability Biochemical oxygen demand (BOD) Chemical oxygen demand (COD) ThOD 1-Piperazine ethanamine (140-31-8) Persistence and degradability	Readily biodegradable in water. Biodegradable in the soil. No (test)data on mobility of the substance available. 1.6 g O₂/g substance 2.4 g O₂/g substance 2.5 g O₂/g substance
Persistence and degradability Benzenemethanol (100-51-6) Persistence and degradability Biochemical oxygen demand (BOD) Chemical oxygen demand (COD) ThOD 1-Piperazine ethanamine (140-31-8) Persistence and degradability	Readily biodegradable in water. Biodegradable in the soil. No (test)data on mobility of the substance available. 1.6 g O₂/g substance 2.4 g O₂/g substance 2.5 g O₂/g substance Not readily biodegradable in water. Low potential for mobility in soil. 0.56 g O₂/g substance
Persistence and degradability Benzenemethanol (100-51-6) Persistence and degradability Biochemical oxygen demand (BOD) Chemical oxygen demand (COD) ThOD 1-Piperazine ethanamine (140-31-8) Persistence and degradability Chemical oxygen demand (COD)	Readily biodegradable in water. Biodegradable in the soil. No (test)data on mobility of the substance available. 1.6 g O₂/g substance 2.4 g O₂/g substance 2.5 g O₂/g substance Not readily biodegradable in water. Low potential for mobility in soil. 0.56 g O₂/g substance
Persistence and degradability Benzenemethanol (100-51-6) Persistence and degradability Biochemical oxygen demand (BOD) Chemical oxygen demand (COD) ThOD 1-Piperazine ethanamine (140-31-8) Persistence and degradability Chemical oxygen demand (COD) (4,4'-diaminodicyclohexyl)methane (1761-71-	Readily biodegradable in water. Biodegradable in the soil. No (test)data on mobility of the substance available. 1.6 g O₂/g substance 2.4 g O₂/g substance 2.5 g O₂/g substance Vot readily biodegradable in water. Low potential for mobility in soil. 0.56 g O₂/g substance 3) Not readily biodegradable in water. Low potential for adsorption in soil. Photolysis in the air.
Persistence and degradability Benzenemethanol (100-51-6) Persistence and degradability Biochemical oxygen demand (BOD) Chemical oxygen demand (COD) ThOD 1-Piperazine ethanamine (140-31-8) Persistence and degradability Chemical oxygen demand (COD) (4,4'-diaminodicyclohexyl)methane (1761-71- Persistence and degradability	Readily biodegradable in water. Biodegradable in the soil. No (test)data on mobility of the substance available. 1.6 g O₂/g substance 2.4 g O₂/g substance 2.5 g O₂/g substance Vot readily biodegradable in water. Low potential for mobility in soil. 0.56 g O₂/g substance 3) Not readily biodegradable in water. Low potential for adsorption in soil. Photolysis in the air.
Persistence and degradability Benzenemethanol (100-51-6) Persistence and degradability Biochemical oxygen demand (BOD) Chemical oxygen demand (COD) ThOD 1-Piperazine ethanamine (140-31-8) Persistence and degradability Chemical oxygen demand (COD) (4,4'-diaminodicyclohexyl)methane (1761-71- Persistence and degradability 2,4,6-tris(dimethylaminomethyl)phenol (90-72)	Readily biodegradable in water. Biodegradable in the soil. No (test)data on mobility of the substance available. 1.6 g O₂/g substance 2.4 g O₂/g substance 2.5 g O₂/g substance 0.56 g O₂/g substance 3) Not readily biodegradable in water. Low potential for adsorption in soil. Photolysis in the air. 2-2
Persistence and degradability Benzenemethanol (100-51-6) Persistence and degradability Biochemical oxygen demand (BOD) Chemical oxygen demand (COD) ThOD 1-Piperazine ethanamine (140-31-8) Persistence and degradability Chemical oxygen demand (COD) (4,4'-diaminodicyclohexyl)methane (1761-71- Persistence and degradability 2,4,6-tris(dimethylaminomethyl)phenol (90-72 Persistence and degradability	Readily biodegradable in water. Biodegradable in the soil. No (test)data on mobility of the substance available. 1.6 g O₂/g substance 2.4 g O₂/g substance 2.5 g O₂/g substance 2.5 g O₂/g substance 0.56 g O₂/g substance 3) Not readily biodegradable in water. Low potential for adsorption in soil. Photolysis in the air. 2.2
Persistence and degradability Benzenemethanol (100-51-6) Persistence and degradability Biochemical oxygen demand (BOD) Chemical oxygen demand (COD) ThOD 1-Piperazine ethanamine (140-31-8) Persistence and degradability Chemical oxygen demand (COD) (4,4'-diaminodicyclohexyl)methane (1761-71- Persistence and degradability 2,4,6-tris(dimethylaminomethyl)phenol (90-72 Persistence and degradability 2.3. Bioaccumulative potential	Readily biodegradable in water. Biodegradable in the soil. No (test)data on mobility of the substance available. 1.6 g O₂/g substance 2.4 g O₂/g substance 2.5 g O₂/g substance 2.5 g O₂/g substance 0.56 g O₂/g substance 3) Not readily biodegradable in water. Low potential for adsorption in soil. Photolysis in the air. 2.2
Persistence and degradability Benzenemethanol (100-51-6) Persistence and degradability Biochemical oxygen demand (BOD) Chemical oxygen demand (COD) ThOD 1-Piperazine ethanamine (140-31-8) Persistence and degradability Chemical oxygen demand (COD) (4,4'-diaminodicyclohexyl)methane (1761-71- Persistence and degradability 2,4,6-tris(dimethylaminomethyl)phenol (90-72 Persistence and degradability 2.3. Bioaccumulative potential Benzenemethanol (100-51-6)	Readily biodegradable in water. Biodegradable in the soil. No (test)data on mobility of the substance available. 1.6 g O₂/g substance 2.4 g O₂/g substance 2.5 g O₂/g substance 0.56 g O₂/g substance 3) Not readily biodegradable in water. Low potential for adsorption in soil. Photolysis in the air. 2.2 Not readily biodegradable in water. Low potential for adsorption in soil. Photolysis in the air.

BCF fish 1 <= >0.3<=6.3,BCF; OECD 305: Bioconcentration: Flow-Through Fish Test; >4<=6 weeks; Cyprinus carpio; Flow-through system; Fresh water; Read-across Log Pow -1.48 (Experimental value; OECD 107: Partition Coefficient (n-octanol/water): Shake Flask Method; 20 °C) Bioaccumulative potential Low potential for bioaccumulation (Log Kow < 4). (4,4'-diaminodicyclohexyl)methane (1761-71-3) BCF fish 1 <= <=6<60,BCF; OECD 305: Bioconcentration: Flow-Through Fish Test; 4 weeks; Cyprinus carpio; Flow-through system; Fresh water; Read-across 2.03 - 3.26 (2.03; Experimental value; OECD 107: Partition Coefficient (n-octanol/water): Log Pow Shake Flask Method; 25 °C) Bioaccumulative potential Low potential for bioaccumulation (BCF < 500).

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2,4,6-tris(dimethylaminomethyl)phenol (90-	
Log Pow	0.77 (Literature; 0.219; Experimental value; Equivalent or similar to OECD 107; 21.5 °C)
Bioaccumulative potential	Low potential for bioaccumulation (Log Kow < 4).
12.4. Mobility in soil	
1000CR-B	
Mobility in soil	<=
Benzenemethanol (100-51-6)	
Surface tension	0.04 N/m (20 °C)
1-Piperazine ethanamine (140-31-8)	
Log Koc	log Koc,4.57; Read-across; GLP
(4,4'-diaminodicyclohexyl)methane (1761-7	/1-3)
Log Koc	Koc, SRC PCKOCWIN v2.0; 103.1; Calculated value; log Koc; SRC PCKOCWIN v2.0; 2.0132; Calculated value
2,4,6-tris(dimethylaminomethyl)phenol (90-	-72-2)
Log Koc	Koc,SRC PCKOCWIN v2.0; 20.98; QSAR; log Koc; 1.32; Calculated value
12.5. Other adverse effects	
Effect on the global warming	: No known ecological damage caused by this product.
SECTION 13: Disposal consideratio 13.1. Waste treatment methods Waste treatment methods	Contain and dispose of waste according to local regulations.
SECTION 14: Transport information	h
Department of Transportation (DOT) In accordance with DOT Transport document description	: UN2735 Amines, liquid, corrosive, n.o.s. (Mixed Cycloalphatic amines, Heterocyclic amine), 8,
	111
JN-No.(DOT)	: UN2735
Proper Shipping Name (DOT)	: Amines, liquid, corrosive, n.o.s.
	Mixed Cycloalphatic amines, Heterocyclic amine
Class (DOT)	: 8 - Class 8 - Corrosive material 49 CFR 173.136
Hazard labels (DOT)	: 8 - Corrosive
	8
Packing group (DOT)	: III - Minor Danger
OOT Packaging Non Bulk (49 CFR 173.xxx)	: 203
OOT Packaging Bulk (49 CFR 173.xxx)	: 241
OOT Symbols	: G - Identifies PSN requiring a technical name
DOT Special Provisions (49 CFR 172.102)	 IB3 - Authorized IBCs: Metal (31A, 31B and 31N); Rigid plastics (31H1 and 31H2); Composite (31HZ1 and 31HA2, 31HB2, 31HD2, 31HD2 and 31HH2). Additional Requirement: Only liquids with a vapor pressure less than or equal to 110 kPa at 50 C (1.1 bar at 122 F), or 130 kPa at 55 C (1.3 bar at 131 F) are authorized, except for UN2672 (also see Special Provision IP8 in Table 2 for UN2672) T7 - 4 178.274(d)(2) Normal

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DOT Quantity Limitations Passenger aircraft/rail (49 CFR 173.27)	: 5L
DOT Quantity Limitations Cargo aircraft only (49 CFR 175.75)	: 60 L
DOT Vessel Stowage Location	: A - The material may be stowed "on deck" or "under deck" on a cargo vessel and on a passenger vessel
DOT Vessel Stowage Other	: 52 - Stow "separated from" acids
Other information	: No supplementary information available.
TDG	

No additional information available

Transport by sea

UN-No. (IMDG)

: ----- TO BE COMPLETED/CALCULATED -------

Air transport

UN-No. (IATA)	: 2735
Proper Shipping Name (IATA)	: Amines, liquid, corrosive, n.o.s.
Class (IATA)	: 8 - Corrosives
Packing group (IATA)	: III - Minor Danger

SECTION 15: Regulatory information 15.1. US Federal regulations

1000CR-B

Listed on the United States TSCA (Toxic Substances Control Act) inventory	
SARA Section 311/312 Hazard Classes	Delayed (chronic) health hazard

Benzenemethanol (100-51-6)

Listed on the United States TSCA (Toxic Substances Control Act) inventory

1-Piperazine ethanamine (140-31-8)

Listed on the United States TSCA (Toxic Substances Control Act) inventory (4,4'-diaminodicyclohexyl)methane (1761-71-3) Listed on the United States TSCA (Toxic Substances Control Act) inventory

Formaldehyde, polymer with benzenamine, hydrogenated (135108-88-2)

Listed on the United States TSCA (Toxic Substances Control Act) inventory

2,4,6-tris(dimethylaminomethyl)phenol (90-72-2)

Listed on the United States TSCA (Toxic Substances Control Act) inventory

15.2. International regulations

CANADA

No additional information available

EU-Regulations

No additional information available

National regulations

No additional information available

15.3. US State regulations

1-Piperazine ethanamine (140-31-8)

U.S. - New Jersey - Right to Know Hazardous Substance List

SECTION 16: Other information

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Full tex	t of H-phrases:		
	H227	Combustible liquid	
	H302	Harmful if swallowed	
	H311	Toxic in contact with skin	
	H314	Causes severe skin burns and eye damage	
	H315	Causes skin irritation	
	H317	May cause an allergic skin reaction	
	H319	Causes serious eye irritation	
	H332	Harmful if inhaled	
	H371	May cause damage to organs	
	H401	Toxic to aquatic life	
	H412	Harmful to aquatic life with long lasting effects	
HMIS I	II Rating		
Health		: 3 Serious Hazard - Major injury likely unless prompt action is taken and medical treatment is given	
Flamm	ability	: 1 Slight Hazard - Materials that must be preheated before ignition will occur. Includes liquids,	

Physical

solids and semi solids having a flash point above 200 F. (Class IIIB)

0 Minimal Hazard - Materials that are normally stable, even under fire conditions, and will NOT : react with water, polymerize, decompose, condense, or self-react. Non-Explosives.

SDS US (GHS HazCom 2012)

This information is based on our current knowledge and is intended to describe the product for the purposes of health, safety and environmental requirements only. It should not therefore be construed as guaranteeing any specific property of the product