



SPARTACOTE® Vertical HB Part B

Safety Data Sheet

According To Federal Register / Vol. 77, No. 58 / Monday, March 26, 2012 / Rules And Regulations And According To The Hazardous Products Regulation (February 11, 2015).

Date of Issue: 02/14/2022

Version: 1.0

SECTION 1: IDENTIFICATION

1.1. Product Identifier

Product Form: Mixture

Product Name: SPARTACOTE® Vertical HB Part B

1.2. Intended Use of the Product

Vertical Epoxy Coating

1.3. Name, Address, and Telephone of the Responsible Party

Company

LATICRETE International

1 Laticrete Park, N

Bethany, CT 06524

T (203)-393-0010

www.laticrete.com

Company

LATICRETE Canada ULC

PO Box 129, Emeryville, Ontario, Canada

NOR-1A0

(833)-254-9255

1.4. Emergency Telephone Number

Emergency Number : For Chemical Emergency call ChemTel Inc. day or night:

(800)255-3924 (North America)

(800)-099-0731 (Mexico)

+1 (813)248-0585 (International - collect calls accepted)

SECTION 2: HAZARDS IDENTIFICATION

2.1. Classification of the Substance or Mixture

GHS-US/CA Classification

Acute Tox. 4 (Oral) H302

Acute Tox. 4 H332

(Inhalation:dust,mist)

Skin Corr. 1B H314

Eye Dam. 1 H318

Skin Sens. 1A H317

Repr. 2 H361

STOT RE 2 H373

Aquatic Acute 2 H401

Aquatic Chronic 2 H411

Full text of hazard classes and H-statements : see section 16

2.2. Label Elements

GHS-US/CA Labeling

Hazard Pictograms (GHS-US/CA)



Signal Word (GHS-US/CA)

: Danger

Hazard Statements (GHS-US/CA)

: H302+H332 - Harmful if swallowed or if inhaled.

H314 - Causes severe skin burns and eye damage.

H317 - May cause an allergic skin reaction.

H318 - Causes serious eye damage.

H361 - Suspected of damaging fertility or the unborn child.

H373 - May cause damage to organs through prolonged or repeated exposure.

H401 - Toxic to aquatic life.

H411 - Toxic to aquatic life with long lasting effects.

Precautionary Statements (GHS-US/CA)

: P201 - Obtain special instructions before use.

P202 - Do not handle until all safety precautions have been read and understood.

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P260 - Do not breathe vapors, mist, or spray.
P264 - Wash hands, forearms, and other exposed areas thoroughly after handling.
P270 - Do not eat, drink or smoke when using this product.
P271 - Use only outdoors or in a well-ventilated area.
P272 - Contaminated work clothing should not be allowed out of the workplace.
P273 - Avoid release to the environment.
P280 - Wear protective gloves, protective clothing, and eye protection.
P301+P312 - IF SWALLOWED: Call a POISON CENTER or doctor if you feel unwell.
P301+P330+P331 - IF SWALLOWED: Rinse mouth. Do NOT induce vomiting.
P303+P361+P353 - IF ON SKIN (or hair): Take off immediately all contaminated clothing. Rinse skin with water .
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.
P308+P313 - If exposed or concerned: Get medical advice/attention.
P310 - Immediately call a POISON CENTER or doctor.
P314 - Get medical advice/attention if you feel unwell.
P321 - Specific treatment (see section 4 on this SDS).
P330 - Rinse mouth.
P333+P313 - If skin irritation or rash occurs: Get medical advice/attention.
P362+P364 - Take off contaminated clothing and wash it before reuse.
P391 - Collect spillage.
P405 - Store locked up.
P501 - Dispose of contents/container in accordance with local, regional, national, and international regulations.

2.3. Other Hazards

Exposure may aggravate pre-existing eye, skin, or respiratory conditions.

2.4. Unknown Acute Toxicity (GHS-US/CA)

No additional information available

SECTION 3: COMPOSITION/INFORMATION ON INGREDIENTS

3.1. Substance

Not applicable

3.2. Mixture

Name	Product Identifier	% *	GHS Ingredient Classification
Benzyl alcohol	(CAS-No.) 100-51-6	11-29	Flam. Liq. 4, H227 Acute Tox. 4 (Oral), H302 Acute Tox. 4 (Inhalation:dust,mist), H332 Eye Irrit. 2A, H319 Aquatic Acute 2, H401
Cyclohexanamine, 4,4'-methylenebis-	(CAS-No.) 1761-71-3	10-28	Acute Tox. 4 (Oral), H302 Skin Corr. 1B, H314 Eye Dam. 1, H318 Skin Sens. 1B, H317 STOT RE 2, H373 Aquatic Acute 2, H401 Aquatic Chronic 2, H411
N-(3-Aminopropyl)morpholine	(CAS-No.) 123-00-2	3 – 8	Acute Tox. 4 (Oral), H302 Skin Corr. 1B, H314 Eye Dam. 1, H318
Tall oil fatty acids, reaction product with Tetraethylene pentamine	(CAS-No.) 68953-36-6	3 – 8	Skin Irrit. 2, H315 Eye Irrit. 2A, H319 Skin Sens. 1A, H317

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			STOT SE 3, H335
Poly[oxy(methyl-1,2-ethanediyl)], .alpha.-(2-aminomethylethyl)- .omega.-(2-aminomethylethoxy)-	(CAS-No.) 9046-10-0	2 – 6	Acute Tox. 3 (Inhalation:dust,mist), H331 Skin Corr. 1C, H314 Eye Dam. 1, H318 Asp. Tox. 1, H304 Aquatic Acute 3, H402 Aquatic Chronic 3, H412
Fatty acids, tall-oil, reaction products with phenyloxirane and tetraethylenepentamine	(CAS-No.) 362679-79-6	2 – 6	Skin Corr. 1B, H314
2,4,6- Tri(dimethylaminomethyl)phenol	(CAS-No.) 90-72-2	0.1-5	Acute Tox. 4 (Oral), H302 Acute Tox. 4 (Dermal), H312 Skin Corr. 1C, H314 Eye Dam. 1, H318 Skin Sens. 1B, H317 Aquatic Acute 3, H402
Phenol, 4-nonyl-, branched	(CAS-No.) 84852-15-3	1-2	Acute Tox. 4 (Oral), H302 Acute Tox. 4 (Dermal), H312 Skin Corr. 1B, H314 Eye Dam. 1, H318 Repr. 2, H361 Aquatic Acute 1, H400 Aquatic Chronic 1, H410
Bis[(dimethylamino)methyl]phenol	(CAS-No.) 71074-89-0	< 1	Acute Tox. 4 (Oral), H302 Acute Tox. 4 (Dermal), H312 Skin Corr. 1B, H314 Eye Dam. 1, H318 STOT SE 3, H335
Phenol	(CAS-No.) 108-95-2	0.25 – 0.5	Acute Tox. 4 (Oral), H302 Acute Tox. 3 (Dermal), H311 Acute Tox. 3 (Inhalation:dust,mist), H331 Skin Corr. 1B, H314 Eye Dam. 1, H318 Muta. 2, H341 STOT SE 1, H370 STOT RE 2, H373 Aquatic Acute 2, H401 Aquatic Chronic 2, H411
1,3-Benzenedimethanamine	(CAS-No.) 1477-55-0	0.25 – 0.5	Acute Tox. 4 (Oral), H302 Acute Tox. 4 (Dermal), H312 Acute Tox. 4 (Inhalation:dust,mist), H332 Skin Corr. 1B, H314 Skin Sens. 1B, H317 Aquatic Acute 3, H402 Aquatic Chronic 3, H412
Tetraethylenepentamine	(CAS-No.) 112-57-2	0.1 – 0.3	Acute Tox. 4 (Oral), H302 Acute Tox. 3 (Dermal), H311 Skin Corr. 1B, H314 Eye Dam. 1, H318 Skin Sens. 1, H317 Aquatic Acute 1, H400 Aquatic Chronic 1, H410

Full text of H-statements: see section 16

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*Percentages are listed in weight by weight percentage (w/w%) for liquid and solid ingredients. Gas ingredients are listed in volume by volume percentage (v/v%).

SECTION 4: FIRST AID MEASURES

4.1. Description of First-aid Measures

General: Never give anything by mouth to an unconscious person. If you feel unwell, seek medical advice (show the label where possible).

Inhalation: Remove to fresh air and keep at rest in a position comfortable for breathing. Get medical advice/attention. Immediately call a poison center or doctor/physician.

Skin Contact: Immediately remove contaminated clothing. Immediately flush skin with plenty of water for at least 30 minutes. Get immediate medical advice/attention.

Eye Contact: Immediately rinse with water for at least 30 minutes. Remove contact lenses, if present and easy to do. Continue rinsing. Get immediate medical advice/attention.

Ingestion: Rinse mouth. Do NOT induce vomiting. Obtain emergency medical attention.

4.2. Most Important Symptoms and Effects Both Acute and Delayed

General: Suspected of damaging fertility or the unborn child. May cause damage to organs through prolonged or repeated exposure. Skin sensitization. Harmful if swallowed. Harmful if inhaled. Causes severe skin burns and eye damage.

Inhalation: Inhalation is likely to cause adverse health effects including but not limited to: irritation, difficulty breathing, and unconsciousness. May be corrosive to the respiratory tract.

Skin Contact: May cause an allergic skin reaction. Causes severe irritation which will progress to chemical burns.

Eye Contact: Causes permanent damage to the cornea, iris, or conjunctiva.

Ingestion: This material is harmful orally and can cause adverse health effects or death in significant amounts. May cause burns or irritation of the linings of the mouth, throat, and gastrointestinal tract.

Chronic Symptoms: Suspected of damaging fertility or the unborn child. May cause damage to organs through prolonged or repeated exposure. May produce an allergic reaction.

4.3. Indication of Any Immediate Medical Attention and Special Treatment Needed

If exposed or concerned, get medical advice and attention. If medical advice is needed, have product container or label at hand.

SECTION 5: FIRE-FIGHTING MEASURES

5.1. Extinguishing Media

Suitable Extinguishing Media: Water spray, fog, carbon dioxide (CO₂), alcohol-resistant foam, or dry chemical.

Unsuitable Extinguishing Media: Do not use a heavy water stream. Use of heavy stream of water may spread fire.

5.2. Special Hazards Arising From the Substance or Mixture

Fire Hazard: Not considered flammable but may burn at high temperatures.

Explosion Hazard: Product is not explosive.

Reactivity: May react exothermically with water releasing heat. Adding an acid to a base or base to an acid may cause a violent reaction.

5.3. Advice for Firefighters

Precautionary Measures Fire: Exercise caution when fighting any chemical fire.

Firefighting Instructions: Use water spray or fog for cooling exposed containers.

Protection During Firefighting: Do not enter fire area without proper protective equipment, including respiratory protection.

Hazardous Combustion Products: Carbon oxides (CO, CO₂). Nitrogen oxides. Corrosive vapors.

Other Information: Do not allow run-off from fire fighting to enter drains or water courses.

5.4. Reference to Other Sections

Refer to Section 9 for flammability properties.

SECTION 6: ACCIDENTAL RELEASE MEASURES

6.1. Personal Precautions, Protective Equipment and Emergency Procedures

General Measures: Do not get in eyes, on skin, or on clothing. Do not breathe vapor, mist or spray.

6.1.1. For Non-Emergency Personnel

Protective Equipment: Use appropriate personal protective equipment (PPE).

Emergency Procedures: Evacuate unnecessary personnel.

6.1.2. For Emergency Personnel

Protective Equipment: Equip cleanup crew with proper protection.

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Emergency Procedures: Upon arrival at the scene, a first responder is expected to recognize the presence of dangerous goods, protect oneself and the public, secure the area, and call for the assistance of trained personnel as soon as conditions permit. Ventilate area.

6.2. Environmental Precautions

Prevent entry to sewers and public waters. Avoid release to the environment. Collect spillage.

6.3. Methods and Materials for Containment and Cleaning Up

For Containment: Contain any spills with dikes or absorbents to prevent migration and entry into sewers or streams. As an immediate precautionary measure, isolate spill or leak area in all directions. Ventilate area.

Methods for Cleaning Up: Clean up spills immediately and dispose of waste safely. Transfer spilled material to a suitable container for disposal. Contact competent authorities after a spill. Cautiously neutralize spilled liquid.

6.4. Reference to Other Sections

See Section 8 for exposure controls and personal protection and Section 13 for disposal considerations.

SECTION 7: HANDLING AND STORAGE

7.1. Precautions for Safe Handling

Additional Hazards When Processed: May release corrosive vapors.

Precautions for Safe Handling: Do not breathe mist/vapors/spray. Wash hands and other exposed areas with mild soap and water before eating, drinking or smoking and when leaving work. Obtain special instructions before use. Do not handle until all safety precautions have been read and understood. Do not get in eyes, on skin, or on clothing. Do NOT breathe (dust, vapor, mist, gas). Handle empty containers with care because they may still present a hazard. Use only outdoors or in a well-ventilated area.

Hygiene Measures: Handle in accordance with good industrial hygiene and safety procedures.

7.2. Conditions for Safe Storage, Including Any Incompatibilities

Technical Measures: Comply with applicable regulations.

Storage Conditions: Keep container closed when not in use. Store in a dry, cool place. Keep/Store away from direct sunlight, extremely high or low temperatures and incompatible materials. Store locked up/in a secure area. Store in original container or corrosive resistant and/or lined container.

Incompatible Materials: Strong acids, strong bases, strong oxidizers.

7.3. Specific End Use(s)

Vertical Epoxy Coating

SECTION 8: EXPOSURE CONTROLS/PERSONAL PROTECTION

8.1. Control Parameters

For substances listed in section 3 that are not listed here, there are no established exposure limits from the manufacturer, supplier, importer, or the appropriate advisory agency including: ACGIH (TLV), AIHA (WEEL), NIOSH (REL), OSHA (PEL), or Canadian provincial governments.

Benzyl alcohol (100-51-6)		
USA AIHA	WEEL TWA [ppm]	10 ppm
Tetraethylenepentamine (112-57-2)		
USA AIHA	WEEL TWA	5 mg/m ³
USA AIHA	AIHA chemical category	skin notation, Skin sensitizer
Phenol (108-95-2)		
USA ACGIH	ACGIH OEL TWA [ppm]	5 ppm
USA ACGIH	ACGIH chemical category	Not Classifiable as a Human Carcinogen, Skin - potential significant contribution to overall exposure by the cutaneous route
USA ACGIH	BEI (BLV)	250 mg/g Kreatinin Parameter: Phenol with hydrolysis - Medium: urine - Sampling time: end of shift (background, nonspecific)
USA OSHA	OSHA PEL (TWA) [1]	19 mg/m ³
USA OSHA	OSHA PEL (TWA) [2]	5 ppm
USA OSHA	Limit value category (OSHA)	prevent or reduce skin absorption
USA NIOSH	NIOSH REL (TWA)	19 mg/m ³
USA NIOSH	NIOSH REL TWA [ppm]	5 ppm
USA NIOSH	NIOSH REL (Ceiling)	60 mg/m ³

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USA NIOSH	NIOSH REL C [ppm]	15.6 ppm
USA IDLH	IDLH [ppm]	250 ppm
Alberta	OEL TWA	19 mg/m ³
Alberta	OEL TWA [ppm]	5 ppm
British Columbia	OEL TWA [ppm]	5 ppm
Manitoba	OEL TWA [ppm]	5 ppm
New Brunswick	OEL TWA	19 mg/m ³
New Brunswick	OEL TWA [ppm]	5 ppm
Newfoundland & Labrador	OEL TWA [ppm]	5 ppm
Nova Scotia	OEL TWA [ppm]	5 ppm
Nunavut	OEL STEL [ppm]	7.5 ppm
Nunavut	OEL TWA [ppm]	5 ppm
Northwest Territories	OEL STEL [ppm]	7.5 ppm
Northwest Territories	OEL TWA [ppm]	5 ppm
Ontario	OEL TWA [ppm]	5 ppm
Prince Edward Island	OEL TWA [ppm]	5 ppm
Québec	VEMP (OEL TWA)	19 mg/m ³
Québec	VEMP (OEL TWA) [ppm]	5 ppm
Saskatchewan	OEL STEL [ppm]	7.5 ppm
Saskatchewan	OEL TWA [ppm]	5 ppm
Yukon	OEL STEL	38 mg/m ³
Yukon	OEL STEL [ppm]	10 ppm
Yukon	OEL TWA	19 mg/m ³
Yukon	OEL TWA [ppm]	5 ppm

1,3-Benzenedimethanamine (1477-55-0)

USA ACGIH	ACGIH OEL Ceiling [ppm]	0.018 ppm
USA ACGIH	ACGIH chemical category	Skin - potential significant contribution to overall exposure by the cutaneous route
USA NIOSH	NIOSH REL (Ceiling)	0.1 mg/m ³
Alberta	OEL C	0.1 mg/m ³
British Columbia	OEL C	0.1 mg/m ³
Manitoba	OEL Ceiling [ppm]	0.018 ppm
New Brunswick	OEL C	0.1 mg/m ³
Newfoundland & Labrador	OEL Ceiling [ppm]	0.018 ppm
Nova Scotia	OEL Ceiling [ppm]	0.018 ppm
Nunavut	OEL C	0.1 mg/m ³
Northwest Territories	OEL C	0.1 mg/m ³
Ontario	OEL C	0.1 mg/m ³
Prince Edward Island	OEL Ceiling [ppm]	0.018 ppm
Québec	Plafond (OEL Ceiling)	0.1 mg/m ³
Saskatchewan	OEL C	0.1 mg/m ³
Yukon	OEL C	0.1 mg/m ³

8.2. Exposure Controls

Appropriate Engineering Controls: Ensure adequate ventilation, especially in confined areas. Ensure all national/local regulations are observed. Gas detectors should be used when toxic gases may be released. Emergency eye wash fountains and safety showers should be available in the immediate vicinity of any potential exposure.

Personal Protective Equipment: Gloves. Protective clothing. Protective goggles. Insufficient ventilation: wear respiratory protection. Face shield.



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Materials for Protective Clothing: Chemically resistant materials and fabrics. Corrosion-proof clothing.

Hand Protection: Wear protective gloves.

Eye and Face Protection: Chemical safety goggles and face shield.

Skin and Body Protection: Wear suitable protective clothing.

Respiratory Protection: If exposure limits are exceeded or irritation is experienced, approved respiratory protection should be worn. In case of inadequate ventilation, oxygen deficient atmosphere, or where exposure levels are not known wear approved respiratory protection.

Other Information: When using, do not eat, drink or smoke.

SECTION 9: PHYSICAL AND CHEMICAL PROPERTIES

9.1. Information on Basic Physical and Chemical Properties

Physical State	: Liquid
Appearance	: Hazy White
Odor	: None
Odor Threshold	: No data available
pH	: No data available
Evaporation Rate	: No data available
Melting Point	: No data available
Freezing Point	: No data available
Boiling Point	: No data available
Flash Point	: No data available
Auto-ignition Temperature	: No data available
Decomposition Temperature	: No data available
Flammability (solid, gas)	: Not applicable
Lower Flammable Limit	: No data available
Upper Flammable Limit	: No data available
Vapor Pressure	: No data available
Relative Vapor Density at 20°C	: No data available
Relative Density	: 1.02 (Water=1)
Specific Gravity	: No data available
Solubility	: No data available
Partition Coefficient: N-Octanol/Water	: No data available
Viscosity	: No data available

SECTION 10: STABILITY AND REACTIVITY

10.1. Reactivity:

May react exothermically with water releasing heat. Adding an acid to a base or base to an acid may cause a violent reaction.

10.2. Chemical Stability:

Stable under recommended handling and storage conditions (see section 7).

10.3. Possibility of Hazardous Reactions:

Hazardous polymerization will not occur.

10.4. Conditions to Avoid:

Direct sunlight, extremely high or low temperatures, and incompatible materials.

10.5. Incompatible Materials:

Strong acids, strong bases, strong oxidizers.

10.6. Hazardous Decomposition Products:

Not expected to decompose under ambient conditions.

SECTION 11: TOXICOLOGICAL INFORMATION

11.1. Information on Toxicological Effects - Product

Acute Toxicity (Oral): Harmful if swallowed.

Acute Toxicity (Dermal): Not classified

Acute Toxicity (Inhalation): Harmful if inhaled.

LD50 and LC50 Data:

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ATE US/CA (oral)	1,506.04 mg/kg body weight

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ATE US/CA (dust, mist)	3.12 mg/l/4h
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Skin Corrosion/Irritation: Causes severe skin burns.

Eye Damage/Irritation: Causes serious eye damage.

Respiratory or Skin Sensitization: May cause an allergic skin reaction.

Germ Cell Mutagenicity: Not classified

Carcinogenicity: Not classified

Specific Target Organ Toxicity (Repeated Exposure): May cause damage to organs through prolonged or repeated exposure.

Reproductive Toxicity: Suspected of damaging fertility or the unborn child.

Specific Target Organ Toxicity (Single Exposure): Not classified

Aspiration Hazard: Not classified

Symptoms/Injuries After Inhalation: Inhalation is likely to cause adverse health effects including but not limited to: irritation, difficulty breathing, and unconsciousness. May be corrosive to the respiratory tract.

Symptoms/Injuries After Skin Contact: May cause an allergic skin reaction. Causes severe irritation which will progress to chemical burns.

Symptoms/Injuries After Eye Contact: Causes permanent damage to the cornea, iris, or conjunctiva.

Symptoms/Injuries After Ingestion: This material is harmful orally and can cause adverse health effects or death in significant amounts. May cause burns or irritation of the linings of the mouth, throat, and gastrointestinal tract.

Chronic Symptoms: Suspected of damaging fertility or the unborn child. May cause damage to organs through prolonged or repeated exposure. May produce an allergic reaction.

11.2. Information on Toxicological Effects - Ingredient(s)

LD50 and LC50 Data:

Benzyl alcohol (100-51-6)	
LD50 Oral Rat	1230 mg/kg
LD50 Dermal Rabbit	> 2000 mg/kg
LD50 Intravenous Rat	53 mg/kg
LC50 Inhalation Rat	> 4.178 mg/l/4h
Cyclohexanamine, 4,4'-methylenebis- (1761-71-3)	
LD50 Oral Rat	1000 mg/kg
LD50 Dermal Rabbit	2110 mg/kg (Species: New Zealand White)
N-(3-Aminopropyl)morpholine (123-00-2)	
LD50 Oral Rat	1790 mg/kg
LD50 Dermal Rabbit	2219.7 – 2396.1 mg/kg
Tetraethylenepentamine (112-57-2)	
LD50 Dermal Rabbit	660 – 1260 mg/kg
Poly[oxy(methyl-1,2-ethanediyl)], .alpha.-(2-aminomethylethyl)-.omega.-(2-aminomethylethoxy)- (9046-10-0)	
LD50 Oral Rat	2885 mg/kg (Specoes: Sprague-Dawley)
LD50 Dermal Rabbit	2980 mg/kg
LC50 Inhalation Rat	> 0.74 mg/l (Exposure time: 8 h)
Phenol, 4-nonyl-, branched (84852-15-3)	
LD50 Oral Rat	1300 mg/kg
LD50 Dermal Rabbit	2000 mg/kg
Phenol (108-95-2)	
LD50 Oral Rat	340 mg/kg
LD50 Dermal Rabbit	630 mg/kg
2,4,6-Tri(dimethylaminomethyl)phenol (90-72-2)	
LD50 Oral Rat	1200 mg/kg
LD50 Dermal Rat	1280 mg/kg
1,3-Benzenedimethanamine (1477-55-0)	
LD50 Oral Rat	1090 mg/kg (Species: Wistar)
LD50 Dermal Rabbit	2 g/kg
LC50 Inhalation Rat	1.16 mg/l/4h

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LC50 Inhalation Rat	350 ppm/4h
LC50 Inhalation Rat	1.34 mg/l/4h (Species: Wistar)
Bis[(dimethylamino)methyl]phenol (71074-89-0)	
ATE US/CA (oral)	500.00 mg/kg body weight
ATE US/CA (dermal)	1,100.00 mg/kg body weight
Phenol (108-95-2)	
IARC Group	3
National Toxicology Program (NTP) Status	Twelfth Report - Items under consideration.

SECTION 12: ECOLOGICAL INFORMATION

12.1. Toxicity

Ecology - General: Toxic to aquatic life with long lasting effects.

Benzyl alcohol (100-51-6)	
LC50 Fish 1	460 mg/l (Exposure time: 96 h - Species: Pimephales promelas [static])
LC50 Fish 2	10 mg/l (Exposure time: 96 h - Species: Lepomis macrochirus [static])
NOEC Chronic Crustacea	51 mg/l
Cyclohexanamine, 4,4'-methylenebis- (1761-71-3)	
EC50 - Crustacea [1]	6.84 mg/l
Tetraethylenepentamine (112-57-2)	
LC50 Fish 1	420 mg/l (Exposure time: 96 h - Species: Poecilia reticulata [static])
EC50 - Crustacea [1]	24.1 mg/l (Exposure time: 48 h - Species: Daphnia magna)
ErC50 algae	0.12 mg/l
Poly[oxy(methyl-1,2-ethanediyl)], .alpha.-(2-aminomethylethyl)-.omega.-(2-aminomethylethoxy)- (9046-10-0)	
EC50 - Crustacea [1]	80 mg/l (Exposure time: 48 h - Species: Daphnia magna [Static])
NOEC Chronic Crustacea	18 mg/l (Exposure time: 48 h - Species: Daphnia magna [Static])
Phenol, 4-nonyl-, branched (84852-15-3)	
LC50 Fish 1	0.135 mg/l (Exposure time: 96 h - Species: Pimephales promelas [flow-through])
EC50 - Crustacea [1]	0.14 mg/l (Exposure time: 48 h - Species: Daphnia magna)
LC50 Fish 2	0.1351 mg/l (Exposure time: 96 h - Species: Lepomis macrochirus [flow-through])
NOEC Chronic Fish	0.006
Phenol (108-95-2)	
LC50 Fish 1	11.9 – 50.5 mg/l (Exposure time: 96 h - Species: Pimephales promelas [flow-through])
EC50 - Crustacea [1]	4.24 – 10.7 mg/l (Exposure time: 48 h - Species: Daphnia magna [Static])
LC50 Fish 2	20.5 – 25.6 mg/l (Exposure time: 96 h - Species: Pimephales promelas [static])
EC50 - Crustacea [2]	10.2 – 15.5 mg/l (Exposure time: 48 h - Species: Daphnia magna)
NOEC Chronic Fish	0.75 mg/l
2,4,6-Tri(dimethylaminomethyl)phenol (90-72-2)	
ErC50 algae	84 mg/l
NOEC Chronic Algae	6.25 g/l
1,3-Benzenedimethanamine (1477-55-0)	
LC50 Fish 1	75 mg/l
EC50 - Crustacea [1]	15 mg/l
NOEC Chronic Crustacea	4.7 mg/l

12.2. Persistence and Degradability

SPARTACOTE® Vertical HB Part B	
Persistence and Degradability	May cause long-term adverse effects in the environment.

12.3. Bioaccumulative Potential

SPARTACOTE® Vertical HB Part B	
Bioaccumulative Potential	Not established.
Benzyl alcohol (100-51-6)	

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Partition coefficient n-octanol/water (Log Pow)	1.1
Cyclohexanamine, 4,4'-methylenebis- (1761-71-3)	
Partition coefficient n-octanol/water (Log Pow)	2.03
Tetraethylenepentamine (112-57-2)	
BCF Fish 1	(no bioaccumulation expected)
Partition coefficient n-octanol/water (Log Pow)	< 1
Poly[oxy(methyl-1,2-ethanediyl)], .alpha.-(2-aminomethylethyl)-.omega.-(2-aminomethylethoxy)- (9046-10-0)	
Partition coefficient n-octanol/water (Log Kow)	0
Phenol, 4-nonyl-, branched (84852-15-3)	
BCF Fish 1	271
Phenol (108-95-2)	
BCF Fish 1	(no significant bioaccumulation)
Partition coefficient n-octanol/water (Log Pow)	1.5

12.4. Mobility in Soil

No additional information available

12.5. Other Adverse Effects

Other Information: Avoid release to the environment.

SECTION 13: DISPOSAL CONSIDERATIONS

13.1. Waste treatment methods

Waste Disposal Recommendations: Dispose of contents/container in accordance with local, regional, national, territorial, provincial, and international regulations.

Ecology - Waste Materials: Avoid release to the environment. This material is hazardous to the aquatic environment. Keep out of sewers and waterways.

SECTION 14: TRANSPORT INFORMATION

The shipping description(s) stated herein were prepared in accordance with certain assumptions at the time the SDS was authored, and can vary based on a number of variables that may or may not have been known at the time the SDS was issued.

14.1. In Accordance with DOT

Proper Shipping Name : CORROSIVE LIQUIDS, N.O.S. (CONTAINS : Cyclohexanamine, 4,4'-methylenebis- ; Poly[oxy(methyl-1,2-ethanediyl)], .alpha.-(2-aminomethylethyl)-.omega.-(2-aminomethylethoxy)-)

Hazard Class : 8

Identification Number : UN1760

Label Codes : 8

Packing Group : II

Marine Pollutant : Marine pollutant

ERG Number : 154



14.2. In Accordance with IMDG

Proper Shipping Name : CORROSIVE LIQUID, N.O.S. (CONTAINS : Cyclohexanamine, 4,4'-methylenebis- ; Poly[oxy(methyl-1,2-ethanediyl)], .alpha.-(2-aminomethylethyl)-.omega.-(2-aminomethylethoxy)-)

Hazard Class : 8

Identification Number : UN1760

Label Codes : 8

Packing Group : II

EmS-No. (Fire) : F-A

EmS-No. (Spillage) : S-B

Marine pollutant : Marine pollutant



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14.3. In Accordance with IATA

Proper Shipping Name : CORROSIVE LIQUID, N.O.S. (CONTAINS : Cyclohexanamine, 4,4'-methylenebis- ; Poly[oxy(methyl-1,2-ethanediyl)], .alpha.-(2-aminomethylethyl)-.omega.-(2-aminomethylethoxy)-)

Hazard Class : 8

Identification Number : UN1760

Label Codes : 8

Packing Group : II

ERG Code (IATA) : 8L



14.4. In Accordance with TDG

Proper Shipping Name : CORROSIVE LIQUID, N.O.S. (CONTAINS : Cyclohexanamine, 4,4'-methylenebis- ; Poly[oxy(methyl-1,2-ethanediyl)], .alpha.-(2-aminomethylethyl)-.omega.-(2-aminomethylethoxy)-)

Hazard Class : 8

Identification Number : UN1760

Label Codes : 8

Packing Group : II

Marine Pollutant (TDG) : Marine pollutant



SECTION 15: REGULATORY INFORMATION

15.1. US Federal Regulations

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SARA Section 311/312 Hazard Classes	Health hazard - Reproductive toxicity Health hazard - Specific target organ toxicity (single or repeated exposure) Health hazard - Respiratory or skin sensitization Health hazard - Acute toxicity (any route of exposure) Health hazard - Serious eye damage or eye irritation Health hazard - Skin corrosion or Irritation
Benzyl alcohol (100-51-6)	
Listed on the United States TSCA (Toxic Substances Control Act) inventory - Status: Active	
Cyclohexanamine, 4,4'-methylenebis- (1761-71-3)	
Listed on the United States TSCA (Toxic Substances Control Act) inventory - Status: Active	
N-(3-Aminopropyl)morpholine (123-00-2)	
Listed on the United States TSCA (Toxic Substances Control Act) inventory - Status: Active	
Tall oil fatty acids, reaction product with Tetraethylene pentamine (68953-36-6)	
Listed on the United States TSCA (Toxic Substances Control Act) inventory - Status: Active	
Tetraethylenepentamine (112-57-2)	
Listed on the United States TSCA (Toxic Substances Control Act) inventory - Status: Active	
Poly[oxy(methyl-1,2-ethanediyl)], .alpha.-(2-aminomethylethyl)-.omega.-(2-aminomethylethoxy)- (9046-10-0)	
Listed on the United States TSCA (Toxic Substances Control Act) inventory - Status: Active	
EPA TSCA Regulatory Flag	XU - XU - indicates a substance exempt from reporting under the Chemical Data Reporting Rule, (40 CFR 711).
Phenol, 4-nonyl-, branched (84852-15-3)	
Listed on the United States TSCA (Toxic Substances Control Act) inventory Subject to reporting requirements of United States SARA Section 313	
EPA TSCA Regulatory Flag	SP - SP - indicates a substance that is identified in a proposed Significant New Uses Rule.
SARA Section 313 - Emission Reporting	1 %
Phenol (108-95-2)	
Listed on the United States TSCA (Toxic Substances Control Act) inventory - Status: Active Listed on the United States SARA Section 302 Subject to reporting requirements of United States SARA Section 313	

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CERCLA RQ	1000 lb
SARA Section 302 Threshold Planning Quantity (TPQ)	500 – 10000 lb
SARA Section 313 - Emission Reporting	1 %

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

Listed on the United States TSCA (Toxic Substances Control Act) inventory - Status: Active

1,3-Benzenedimethanamine (1477-55-0)

Listed on the United States TSCA (Toxic Substances Control Act) inventory - Status: Active

15.2. US State Regulations

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State or local regulations

Benzyl alcohol (100-51-6)

U.S. - Pennsylvania - RTK (Right to Know) List

U.S. - Massachusetts - Right To Know List

N-(3-Aminopropyl)morpholine (123-00-2)

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

U.S. - Pennsylvania - RTK (Right to Know) List

U.S. - Massachusetts - Right To Know List

Tetraethylenepentamine (112-57-2)

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

U.S. - Pennsylvania - RTK (Right to Know) List

U.S. - Massachusetts - Right To Know List

Phenol (108-95-2)

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

U.S. - Pennsylvania - RTK (Right to Know) List

U.S. - Massachusetts - Right To Know List

U.S. - Pennsylvania - RTK (Right to Know) - Environmental Hazard List

1,3-Benzenedimethanamine (1477-55-0)

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

U.S. - Pennsylvania - RTK (Right to Know) List

U.S. - Massachusetts - Right To Know List

15.3. Canadian Regulations

Benzyl alcohol (100-51-6)

Listed on the Canadian DSL (Domestic Substances List)

Cyclohexanamine, 4,4'-methylenebis- (1761-71-3)

Listed on the Canadian DSL (Domestic Substances List)

N-(3-Aminopropyl)morpholine (123-00-2)

Listed on the Canadian DSL (Domestic Substances List)

Tall oil fatty acids, reaction product with Tetraethylene pentamine (68953-36-6)

Listed on the Canadian DSL (Domestic Substances List)

Tetraethylenepentamine (112-57-2)

Listed on the Canadian DSL (Domestic Substances List)

Poly[oxy(methyl-1,2-ethanediyl)], .alpha.-(2-aminomethylethyl)-.omega.-(2-aminomethylethoxy)- (9046-10-0)

Listed on the Canadian DSL (Domestic Substances List)

Phenol, 4-nonyl-, branched (84852-15-3)

Listed on the Canadian DSL (Domestic Substances List)

Phenol (108-95-2)

Listed on the Canadian DSL (Domestic Substances List)

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

Listed on the Canadian DSL (Domestic Substances List)

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1,3-Benzenedimethanamine (1477-55-0)

Listed on the Canadian DSL (Domestic Substances List)

SECTION 16: OTHER INFORMATION, INCLUDING DATE OF PREPARATION OR LAST REVISION

Date of Preparation or Latest Revision : 02/14/2022

Revision

Other Information : This document has been prepared in accordance with the SDS requirements of the OSHA Hazard Communication Standard 29 CFR 1910.1200 and Canada's Hazardous Products Regulations (HPR) SOR/2015-17.

GHS Full Text Phrases:

Acute Tox. 3 (Dermal)	Acute toxicity (dermal) Category 3
Acute Tox. 3 (Inhalation:dust,mist)	Acute toxicity (inhalation:dust,mist) Category 3
Acute Tox. 4 (Dermal)	Acute toxicity (dermal) Category 4
Acute Tox. 4 (Inhalation:dust,mist)	Acute toxicity (inhalation:dust,mist) Category 4
Acute Tox. 4 (Oral)	Acute toxicity (oral) Category 4
Aquatic Acute 1	Hazardous to the aquatic environment - Acute Hazard Category 1
Aquatic Acute 2	Hazardous to the aquatic environment - Acute Hazard Category 2
Aquatic Acute 3	Hazardous to the aquatic environment - Acute Hazard Category 3
Aquatic Chronic 1	Hazardous to the aquatic environment - Chronic Hazard Category 1
Aquatic Chronic 2	Hazardous to the aquatic environment - Chronic Hazard Category 2
Aquatic Chronic 3	Hazardous to the aquatic environment - Chronic Hazard Category 3
Asp. Tox. 1	Aspiration hazard Category 1
Eye Dam. 1	Serious eye damage/eye irritation Category 1
Eye Irrit. 2A	Serious eye damage/eye irritation Category 2A
Flam. Liq. 4	Flammable liquids Category 4
Muta. 2	Germ cell mutagenicity Category 2
Repr. 2	Reproductive toxicity Category 2
Skin Corr. 1B	Skin corrosion/irritation Category 1B
Skin Corr. 1C	Skin corrosion/irritation Category 1C
Skin Irrit. 2	Skin corrosion/irritation Category 2
Skin Sens. 1	Skin sensitization, Category 1
Skin Sens. 1A	Skin sensitization, category 1A
Skin Sens. 1B	Skin sensitization, category 1B
STOT RE 2	Specific target organ toxicity (repeated exposure) Category 2
STOT SE 1	Specific target organ toxicity (single exposure) Category 1
STOT SE 3	Specific target organ toxicity — Single exposure, Category 3, Respiratory tract irritation
H227	Combustible liquid
H302	Harmful if swallowed
H304	May be fatal if swallowed and enters airways
H311	Toxic in contact with skin
H312	Harmful in contact with skin
H314	Causes severe skin burns and eye damage
H315	Causes skin irritation
H317	May cause an allergic skin reaction
H318	Causes serious eye damage
H319	Causes serious eye irritation
H331	Toxic if inhaled
H332	Harmful if inhaled

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H335	May cause respiratory irritation
H341	Suspected of causing genetic defects
H361	Suspected of damaging fertility or the unborn child
H370	Causes damage to organs
H373	May cause damage to organs through prolonged or repeated exposure
H400	Very toxic to aquatic life
H401	Toxic to aquatic life
H402	Harmful to aquatic life
H410	Very toxic to aquatic life with long lasting effects
H411	Toxic to aquatic life with long lasting effects
H412	Harmful to aquatic life with long lasting effects

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.

NA GHS SDS 2015 (Can, US)