

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: 02/22/2022 Version: 1.0

## **SECTION 1: IDENTIFICATION**

## 1.1. Product Identifier

Product Form: Mixture

Product Name: SPARTACOTE® Urethane Cement Part B

### 1.2. Intended Use of the Product

Mortar

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

Company Company

LATICRETE International LATICRETE Canada ULC

1 Laticrete Park, N PO Box 129, Emeryville, Ontario, Canada

Bethany, CT 06524 NOR-1A0 T (203)-393-0010 (833)-254-9255

www.laticrete.com

## 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 H332

(Inhalation:dust,mist)

 Skin Irrit. 2
 H315

 Eye Irrit. 2A
 H319

 Resp. Sens. 1
 H334

 Skin Sens. 1
 H317

 Carc. 2
 H351

 STOT SE 3
 H335

 STOT RE 2
 H373

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) : H315 - Causes skin irritation.

H317 - May cause an allergic skin reaction.

H319 - Causes serious eye irritation.

H332 - Harmful if inhaled.

H334 - May cause an allergy or asthma symptoms or breathing difficulties if inhaled.

H335 - May cause respiratory irritation. H351 - Suspected of causing cancer.

H373 - May cause damage to organs(respiratory system) through prolonged or repeated

exposure(Inhalation).

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.

P271 - Use only outdoors or in a well-ventilated area.

P272 - Contaminated work clothing should not be allowed out of the workplace.

P280 - Wear protective gloves, protective clothing, and eye protection.

P284 - [In case of inadequate ventilation] wear respiratory protection.

P302+P352 - IF ON SKIN: Wash with plenty of 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.

P312 - Call a POISON CENTER or doctor if you feel unwell.

P314 - Get medical advice/attention if you feel unwell.

P321 - Specific treatment (see section 4 on this SDS).

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

P337+P313 - If eye irritation persists: Get medical advice/attention.

P342+P311 - If experiencing respiratory symptoms: Call a POISON CENTER or doctor.

P362+P364 - Take off contaminated clothing and wash it before reuse.

P403+P233 - Store in a well-ventilated place. Keep container tightly closed.

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	<b>%</b> *	GHS Ingredient Classification
4,4'-Methylenediphenyl diisocyanate	(CAS-No.) 101-68-8	30 – 60	Acute Tox. 4 (Inhalation:dust,mist), H332
			Skin Irrit. 2, H315
			Eye Irrit. 2A, H319
			Resp. Sens. 1, H334
			Skin Sens. 1, H317
			Carc. 2, H351
			STOT SE 3, H335
			STOT RE 2, H373
Isocyanic acid,	(CAS-No.) 9016-87-9	30 – 60	Acute Tox. 4 (Inhalation), H332
polymethylenepolyphenylene ester			Skin Irrit. 2, H315
			Eye Irrit. 2A, H319
			Resp. Sens. 1, H334
			Skin Sens. 1, H317
			Carc. 2, H351
			STOT SE 3, H335
			STOT RE 2, H373
Benzene, 1,1'-	(CAS-No.) 26447-40-5	10 – 30	Acute Tox. 4 (Inhalation:dust,mist), H332
methylenebis[isocyanato-			Skin Irrit. 2, H315
			Eye Irrit. 2B, H320
			Resp. Sens. 1, H334
			Skin Sens. 1, H317

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	Carc. 2, H351
	STOT SE 3, H335
	STOT RE 2, H373

Full text of H-statements: see section 16

## **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:** When symptoms occur: go into open air and ventilate suspected area. Remove to fresh air and keep at rest in a position comfortable for breathing. Get medical advice/attention.

**Skin Contact:** Remove contaminated clothing. Immediately wash affected area with soap and water for at least 15 minutes. Obtain medical attention if irritation/rash develops or persists. Wash contaminated clothing before reuse.

**Eye Contact:** Immediately rinse with water for at least 15 minutes. Remove contact lenses, if present and easy to do. Continue rinsing. Obtain medical attention.

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

### 4.2. Most Important Symptoms and Effects Both Acute and Delayed

**General:** May cause respiratory irritation. May cause damage to organs(respiratory system) through prolonged or repeated exposure(Inhalation). May cause allergy or asthma symptoms or breathing difficulties if inhaled. Skin sensitization. Causes skin irritation. Causes serious eye irritation. Suspected of causing cancer. Harmful if inhaled.

**Inhalation:** Irritation of the respiratory tract and the other mucous membranes. Exposure may produce cough, mucous secretions, shortness of breath, chest tightness or other symptoms indicative of an allergic/sensitization reaction. Inhalation is likely to cause adverse health effects including but not limited to: irritation, difficulty breathing, and unconsciousness.

Skin Contact: May cause an allergic skin reaction. Redness, pain, swelling, itching, burning, dryness, and dermatitis.

Eye Contact: Contact causes severe irritation with redness and swelling of the conjunctiva.

**Ingestion:** Ingestion may cause adverse effects.

**Chronic Symptoms:** May cause damage to organs(respiratory system) through prolonged or repeated exposure(Inhalation). Suspected of causing cancer. 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 (CO<sub>2</sub>), 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:** Hazardous reactions will not occur under normal conditions.

# 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, CO<sub>2</sub>). Nitrogen oxides.

## 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 breathe vapor, mist or spray. Do not get in eyes, on skin, or on clothing.

### 6.1.1. For Non-Emergency Personnel

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

Emergency Procedures: Evacuate unnecessary personnel.

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<sup>\*</sup>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%).

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#### 6.1.2. For Emergency Personnel

**Protective Equipment:** Equip cleanup crew with proper protection.

**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.

## 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.

#### 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

**Precautions for Safe Handling:** Wash hands and other exposed areas with mild soap and water before eating, drinking or smoking and when leaving work. Avoid contact with eyes, skin and clothing. 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 mist/vapors/spray. 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.

Incompatible Materials: Strong acids, strong bases, strong oxidizers. Reducing agents. Alcohols.

## 7.3. Specific End Use(s)

Mortar

## 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.

4,4'-Methylenediphenyl diis	4'-Methylenediphenyl diisocyanate (101-68-8)		
USA ACGIH	ACGIH OEL TWA [ppm]	0.005 ppm (Methylene bisphenyl isocyanate (MDI))	
USA OSHA	OSHA PEL (Ceiling)	0.2 mg/m <sup>3</sup>	
USA OSHA	OSHA PEL C [ppm]	0.02 ppm	
USA NIOSH	NIOSH REL (TWA)	0.05 mg/m <sup>3</sup>	
USA NIOSH	NIOSH REL TWA [ppm]	0.005 ppm (Methylene bisphenyl isocyanate)	
USA NIOSH	NIOSH REL (Ceiling)	0.2 mg/m <sup>3</sup>	
USA NIOSH	NIOSH REL C [ppm]	0.02 ppm	
USA IDLH	IDLH	75 mg/m³	
Alberta	OEL TWA	0.05 mg/m <sup>3</sup>	
Alberta	OEL TWA [ppm]	0.005 ppm	
British Columbia	OEL Ceiling [ppm]	0.01 ppm (Methylene bisphenyl isocyanate (MDI))	
British Columbia	OEL TWA [ppm]	0.005 ppm (Methylene bisphenyl isocyanate (MDI))	
Manitoba	OEL TWA [ppm]	0.005 ppm (Methylene bisphenyl isocyanate (MDI))	
New Brunswick	OEL TWA	0.051 mg/m³ (Methylene bisphenyl isocyanate)	
New Brunswick	OEL TWA [ppm]	0.005 ppm (Methylene bisphenyl isocyanate)	
Newfoundland & Labrador	OEL TWA [ppm]	0.005 ppm (Methylene bisphenyl isocyanate (MDI))	
Nova Scotia	OEL TWA [ppm]	0.005 ppm (Methylene bisphenyl isocyanate (MDI))	
Nunavut	OEL STEL [ppm]	0.015 ppm (Methylene bisphenyl isocyanate)	

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Nunavut	OEL TWA [ppm]	0.005 ppm (Methylene bisphenyl isocyanate)
Northwest Territories	OEL STEL [ppm]	0.015 ppm (Methylene bisphenyl isocyanate)
Northwest Territories	OEL TWA [ppm]	0.005 ppm
Ontario	OEL Ceiling [ppm]	0.02 ppm (designated substances regulation (Isocyanates, organic compounds (Methylene bisphenyl isocyanate (MDI))
Ontario	OEL TWA [ppm]	0.005 ppm (designated substances regulation (Isocyanates, organic compounds (Methylene bisphenyl isocyanate (MDI)) 0.005 ppm (applies to workplaces to which the designated substances regulation does not apply (Methylene bisphenyl isocyanate (MDI))
Prince Edward Island	OEL TWA [ppm]	0.005 ppm (Methylene bisphenyl isocyanate (MDI))
Québec	VEMP (OEL TWA)	0.051 mg/m <sup>3</sup>
Québec	VEMP (OEL TWA) [ppm]	0.005 ppm
Saskatchewan	OEL STEL [ppm]	0.015 ppm (Methylene bisphenyl isocyanate (MDI))
Saskatchewan	OEL TWA [ppm]	0.005 ppm (Methylene bisphenyl isocyanate (MDI))
Yukon	OEL C	0.2 mg/m³ (Methylene bisphenyl isocyanate (MDI))
Yukon	OEL Ceiling [ppm]	0.02 ppm (Methylene bisphenyl isocyanate (MDI))
Isocyanic acid, polymethylen	epolyphenylene ester (9016-87-9)	
Alberta	OEL TWA	0.07 mg/m <sup>3</sup>
Alberta	OEL TWA [ppm]	0.005 ppm
Benzene, 1,1'-methylenebis[	isocyanato- (26447-40-5)	
USA OSHA	OSHA PEL (Ceiling)	0.2 mg/m <sup>3</sup>
USA OSHA	OSHA PEL C [ppm]	0.02 ppm

## 8.2. Exposure Controls

**Appropriate Engineering Controls:** Emergency eye wash fountains and safety showers should be available in the immediate vicinity of any potential exposure. 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.

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









Materials for Protective Clothing: Chemically resistant materials and fabrics.

**Hand Protection:** Wear protective gloves.

Eye and Face Protection: Chemical safety goggles.

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: LiquidAppearance: Dark BrownOdor: No data availableOdor Threshold: No data availablepH: No data availableEvaporation Rate: No data availableMelting Point: No data availableFreezing Point: No data available

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208 °C (406.4 °F) **Boiling Point Flash Point** 199 °C (390.2 °F) **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 No data available **Vapor Pressure** Relative Vapor Density at 20°C No data available 1.24 (Water=1) **Relative Density Specific Gravity** No data available Solubility No data available **Partition Coefficient: N-Octanol/Water** No data available Viscosity No data available

VOC content : 0 %

## **SECTION 10: STABILITY AND REACTIVITY**

# 10.1. Reactivity:

Hazardous reactions will not occur under normal conditions.

### 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. Reducing agents. Alcohols.

# 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): Not classified
Acute Toxicity (Dermal): Not classified
Acute Toxicity (Inhalation): Harmful if inhaled.

LD50 and LC50 Data:

SPARTACOTE® Urethane Cement Part B	
ATE US/CA (dust, mist)	1.50 mg/l/4h

**Skin Corrosion/Irritation:** Causes skin irritation. **Eye Damage/Irritation:** Causes serious eye irritation.

**Respiratory or Skin Sensitization:** May cause an allergy or asthma symptoms or breathing difficulties if inhaled. May cause an allergic skin reaction.

**Germ Cell Mutagenicity:** Not classified **Carcinogenicity:** Suspected of causing cancer.

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

Reproductive Toxicity: Not classified

Specific Target Organ Toxicity (Single Exposure): May cause respiratory irritation.

Aspiration Hazard: Not classified

**Symptoms/Injuries After Inhalation:** Irritation of the respiratory tract and the other mucous membranes. Exposure may produce cough, mucous secretions, shortness of breath, chest tightness or other symptoms indicative of an allergic/sensitization reaction. Inhalation is likely to cause adverse health effects including but not limited to: irritation, difficulty breathing, and unconsciousness.

**Symptoms/Injuries After Skin Contact:** May cause an allergic skin reaction. Redness, pain, swelling, itching, burning, dryness, and dermatitis.

Symptoms/Injuries After Eye Contact: Contact causes severe irritation with redness and swelling of the conjunctiva.

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**Symptoms/Injuries After Ingestion:** Ingestion may cause adverse effects.

Chronic Symptoms: May cause damage to organs(respiratory system) through prolonged or repeated exposure(Inhalation).

Suspected of causing cancer. May produce an allergic reaction.

## 11.2. Information on Toxicological Effects - Ingredient(s)

### LD50 and LC50 Data:

4,4'-Methylenediphenyl diisocyanate (101-68-8)       > 10000 mg/kg         LD50 Dermal Rabbit       > 9400 mg/kg         LC50 Inhalation Rat       369 mg/m³ (Exposure time: 4 h)         Isocyanic acid, polymethylenepolyphenylene ester (9016-87-y)       49000 mg/kg         LD50 Oral Rat       49000 mg/kg         LD50 Dermal Rabbit       > 9400 mg/kg         LD50 Dermal Rabbit       > 94,8 g/kg         ATE US/CA (gas)       4,500.00 ppmV/4h         ATE US/CA (vapors)       11.00 mg/l/4h         ATE US/CA (dust, mist)       1.50 mg/l/4h         Benzene, 1,1'-methylenebis[isocyanato- (26447-40-5)       LD50 Dermal Rabbit       > 10000 mg/kg         ATE US/CA (dust, mist)       1.50 mg/l/4h         4,4'-Methylenediphenyl diisocyanate (101-68-8)       1.50 mg/l/4h         IARC Group       3         IARC Group       3         Benzene, 1,1'-methylenebis[isocyanato- (26447-40-5)       1         IARC Group       3         Benzene, 1,1'-methylenebis[isocyanato- (26447-40-5)       1         IARC Group       3         Benzene, 1,1'-methylenebis[isocyanato- (26447-40-5)       1         IARC Group       3	EDDO UNA EDDO DUM.		
LD50 Dermal Rabbit   > 9400 mg/kg	4,4'-Methylenediphenyl diisocyanate (101-68-8)		
LC50 Inhalation Rat     369 mg/m³ (Exposure time: 4 h)       Isocyanic acid, polymethylenepolyphenylene ester (9016-87-9)       LD50 Oral Rat     49000 mg/kg       LD50 Dermal Rat     > 9400 mg/kg       LD50 Dermal Rabbit     > 9.4 g/kg       ATE US/CA (gas)     4,500.00 ppmV/4h       ATE US/CA (vapors)     11.00 mg/l/4h       ATE US/CA (dust, mist)     1.50 mg/l/4h       Benzene, 1,1'-methylenebis[isocyanato- (26447-40-5)     1.0000 mg/kg       LD50 Oral Rat     > 10000 mg/kg       LD50 Dermal Rabbit     > 10000 mg/kg       ATE US/CA (dust, mist)     1.50 mg/l/4h       4,4'-Methylenediphenyl diisocyanate (101-68-8)     1.50 mg/l/4h       IARC Group     3       Isocyanic acid, polymethylenepolyphenylene ester (9016-87-9)     1ARC Group       Benzene, 1,1'-methylenebis[isocyanato- (26447-40-5)     3	LD50 Oral Rat	> 10000 mg/kg	
Isocyanic acid, polymethylenepolyphenylene ester (9016-87-9)  LD50 Oral Rat 49000 mg/kg  LD50 Dermal Rat > 94000 mg/kg  LD50 Dermal Rabbit > 94.9 kg  ATE US/CA (gas) 4,500.00 ppmV/4h  ATE US/CA (vapors) 11.00 mg/l/4h  ATE US/CA (dust, mist) 1.50 mg/l/4h  Benzene, 1,1'-methylenebis[isocyanato- (26447-40-5)]  LD50 Oral Rat > 10000 mg/kg  ATE US/CA (dust, mist) 1.50 mg/l/4h  ATE US/CA (dust, mist) 3 10000 mg/kg  ATE US/CA (dust, mist) 3 10000 mg/kg  ATE US/CA (dust, mist) 3 1.50 mg/l/4h  AGE US/CA (dust, mist) 3 1.50 mg/l/4h  AGE US/CA (dust, mist) 3 1.50 mg/l/4h  AGE Group 3 3 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	LD50 Dermal Rabbit	> 9400 mg/kg	
LD50 Oral Rat       49000 mg/kg         LD50 Dermal Rat       > 9400 mg/kg         LD50 Dermal Rabbit       > 9.4 g/kg         ATE US/CA (gas)       4,500.00 ppmV/4h         ATE US/CA (vapors)       11.00 mg/l/4h         ATE US/CA (dust, mist)       1.50 mg/l/4h         Benzene, 1,1'-methylenebis[isocyanato- (26447-40-5)       LD50 Oral Rat         LD50 Dermal Rabbit       > 10000 mg/kg         ATE US/CA (dust, mist)       1.50 mg/l/4h         4,4'-Methylenediphenyl diisocyanate (101-68-8)       3         IARC Group       3         Isocyanic acid, polymethylenepolyphenylene ester (9016-87-y)       IARC Group         Benzene, 1,1'-methylenebis[isocyanato- (26447-40-5)       3	LC50 Inhalation Rat	369 mg/m³ (Exposure time: 4 h)	
LD50 Dermal Rat   > 9400 mg/kg     LD50 Dermal Rabbit   > 9.4 g/kg     ATE US/CA (gas)   4,500.00 ppmV/4h     ATE US/CA (vapors)   11.00 mg/l/4h     ATE US/CA (dust, mist)   1.50 mg/l/4h     Benzene, 1,1'-methylenebis[isocyanato- (26447-40-5)     LD50 Oral Rat   > 10000 mg/kg     LD50 Dermal Rabbit   > 10000 mg/kg     ATE US/CA (dust, mist)   1.50 mg/l/4h     4,4'-Methylenediphenyl diisocyanate (101-68-8)     IARC Group   3     Isocyanic acid, polymethylenepolyphenylene ester (9016-87-9)     IARC Group   3     Benzene, 1,1'-methylenebis[isocyanato- (26447-40-5)	Isocyanic acid, polymethylenepolyphenylene ester (9016-87-	9)	
LD50 Dermal Rabbit > 9.4 g/kg  ATE US/CA (gas) 4,500.00 ppmV/4h  ATE US/CA (vapors) 11.00 mg/l/4h  ATE US/CA (dust, mist) 1.50 mg/l/4h  Benzene, 1,1'-methylenebis[isocyanato- (26447-40-5)  LD50 Oral Rat > 10000 mg/kg  LD50 Dermal Rabbit > 10000 mg/kg  ATE US/CA (dust, mist) 1.50 mg/l/4h  4,4'-Methylenediphenyl diisocyanate (101-68-8)  IARC Group 3  Isocyanic acid, polymethylenepolyphenylene ester (9016-87-9)  IARC Group 3  Benzene, 1,1'-methylenebis[isocyanato- (26447-40-5)	LD50 Oral Rat	49000 mg/kg	
ATE US/CA (gas) 4,500.00 ppmV/4h  ATE US/CA (vapors) 11.00 mg/l/4h  ATE US/CA (dust, mist) 1.50 mg/l/4h  Benzene, 1,1'-methylenebis[isocyanato- (26447-40-5)]  LD50 Oral Rat > 10000 mg/kg  LD50 Dermal Rabbit > 10000 mg/kg  ATE US/CA (dust, mist) 1.50 mg/l/4h  4,4'-Methylenediphenyl diisocyanate (101-68-8)  IARC Group 3  Isocyanic acid, polymethylenepolyphenylene ester (9016-87-9)  IARC Group 3  Benzene, 1,1'-methylenebis[isocyanato- (26447-40-5)	LD50 Dermal Rat	> 9400 mg/kg	
ATE US/CA (vapors)  ATE US/CA (dust, mist)  Benzene, 1,1'-methylenebis[isocyanato- (26447-40-5)  LD50 Oral Rat  LD50 Dermal Rabbit  ATE US/CA (dust, mist)  ATE US/CA (dust, mist)  ATE US/CA (dust, mist)  AGE US/CA (dust, m	LD50 Dermal Rabbit	> 9.4 g/kg	
ATE US/CA (dust, mist)  Benzene, 1,1'-methylenebis[isocyanato- (26447-40-5)  LD50 Oral Rat  > 10000 mg/kg  LD50 Dermal Rabbit > 10000 mg/kg  ATE US/CA (dust, mist)  1.50 mg/l/4h  4,4'-Methylenediphenyl diisocyanate (101-68-8)  IARC Group  3  Isocyanic acid, polymethylenepolyphenylene ester (9016-87-9)  IARC Group  3  Benzene, 1,1'-methylenebis[isocyanato- (26447-40-5)	ATE US/CA (gas)	4,500.00 ppmV/4h	
Benzene, 1,1'-methylenebis[isocyanato- (26447-40-5)  LD50 Oral Rat > 10000 mg/kg  LD50 Dermal Rabbit > 10000 mg/kg  ATE US/CA (dust, mist) 1.50 mg/l/4h  4,4'-Methylenediphenyl diisocyanate (101-68-8)  IARC Group 3  Isocyanic acid, polymethylenepolyphenylene ester (9016-87-9)  IARC Group 3  Benzene, 1,1'-methylenebis[isocyanato- (26447-40-5)	ATE US/CA (vapors)	11.00 mg/l/4h	
LD50 Oral Rat > 10000 mg/kg  LD50 Dermal Rabbit > 10000 mg/kg  ATE US/CA (dust, mist) 1.50 mg/l/4h  4,4'-Methylenediphenyl diisocyanate (101-68-8)  IARC Group 3  Isocyanic acid, polymethylenepolyphenylene ester (9016-87-9)  IARC Group 3  Benzene, 1,1'-methylenebis[isocyanato- (26447-40-5)	ATE US/CA (dust, mist)	1.50 mg/l/4h	
LD50 Dermal Rabbit > 10000 mg/kg ATE US/CA (dust, mist) 1.50 mg/l/4h  4,4'-Methylenediphenyl diisocyanate (101-68-8) IARC Group 3 Isocyanic acid, polymethylenepolyphenylene ester (9016-87-9) IARC Group 3 Benzene, 1,1'-methylenebis[isocyanato- (26447-40-5)	Benzene, 1,1'-methylenebis[isocyanato- (26447-40-5)		
ATE US/CA (dust, mist)  4,4'-Methylenediphenyl diisocyanate (101-68-8)  IARC Group  Isocyanic acid, polymethylenepolyphenylene ester (9016-87-9)  IARC Group  Benzene, 1,1'-methylenebis[isocyanato- (26447-40-5)	LD50 Oral Rat	> 10000 mg/kg	
4,4'-Methylenediphenyl diisocyanate (101-68-8)  IARC Group 3  Isocyanic acid, polymethylenepolyphenylene ester (9016-87-9)  IARC Group 3  Benzene, 1,1'-methylenebis[isocyanato- (26447-40-5)	LD50 Dermal Rabbit	> 10000 mg/kg	
IARC Group 3 Isocyanic acid, polymethylenepolyphenylene ester (9016-87-9) IARC Group 3 Benzene, 1,1'-methylenebis[isocyanato- (26447-40-5)	ATE US/CA (dust, mist)	1.50 mg/l/4h	
Isocyanic acid, polymethylenepolyphenylene ester (9016-87-9) IARC Group 3 Benzene, 1,1'-methylenebis[isocyanato- (26447-40-5)	4,4'-Methylenediphenyl diisocyanate (101-68-8)		
IARC Group 3 Benzene, 1,1'-methylenebis[isocyanato- (26447-40-5)	IARC Group	3	
Benzene, 1,1'-methylenebis[isocyanato- (26447-40-5)	Isocyanic acid, polymethylenepolyphenylene ester (9016-87-9)		
	IARC Group	3	
IARC Group 3	Benzene, 1,1'-methylenebis[isocyanato- (26447-40-5)		
•	IARC Group	3	

# **SECTION 12: ECOLOGICAL INFORMATION**

## 12.1. Toxicity

Ecology - General: Not classified.

	<u>.                                    </u>	
	Benzene, 1,1'-methylenebis[isocyanato-	(26447-40-5)
NOEC (Acute) ≥ 1000 mg/kg (Exposure time: 14 Days - Species: Eisenia foetida [soil dry weight])		≥ 1000 mg/kg (Exposure time: 14 Days - Species: Eisenia foetida [soil dry weight])

# 12.2. Persistence and Degradability

SPARTACOTE® Urethane Cement Part B	
Persistence and Degradability	Not established.

### 12.3. Bioaccumulative Potential

SPARTACOTE® Urethane Cement Part B		
Bioaccumulative Potential	Not established.	
Benzene, 1,1'-methylenebis[isocyanato- (26447-40-5)		
BCF Fish 1	3 – 14	
Partition coefficient n-octanol/water	4.5	
(Log Pow)		

## 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.

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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).

## **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

Not regulated for transport

### 14.2. In Accordance with IMDG

Not regulated for transport

## 14.3. In Accordance with IATA

Not regulated for transport

## 14.4. In Accordance with TDG

Not regulated for transport

# **SECTION 15: REGULATORY INFORMATION**

## 15.1. US Federal Regulations

13.1. O3 rederal Regulations			
SPARTACOTE® Urethane Cement Part B	SPARTACOTE® Urethane Cement Part B		
SARA Section 311/312 Hazard Classes	Health hazard - Specific target organ toxicity (single or repeated exposure)		
	Health hazard - Respiratory or skin sensitization  Health hazard - Skin corrosion or Irritation		
	Health hazard - Serious eye damage or eye irritation		
	Health hazard - Carcinogenicity		
	Health hazard - Acute toxicity (any route of exposure)		
4,4'-Methylenediphenyl diisocyanate (101-68-8)			
Listed on the United States TSCA (Toxic Substances Control Act	) inventory - Status: Active		
Subject to reporting requirements of United States SARA Section	on 313		
CERCLA RQ 5000 lb			
SARA Section 313 - Emission Reporting	1%		
Isocyanic acid, polymethylenepolyphenylene ester (9016-87-9	)		
Listed on the United States TSCA (Toxic Substances Control Act	) inventory - Status: Active		
Subject to reporting requirements of United States SARA Section	on 313		
EPA TSCA Regulatory Flag	XU - XU - indicates a substance exempt from reporting under the		
	Chemical Data Reporting Rule, (40 CFR 711).		
SARA Section 313 - Emission Reporting	1%		
Benzene, 1,1'-methylenebis[isocyanato- (26447-40-5)			
Listed on the United States TSCA (Toxic Substances Control Act) inventory - Status: Active			
CERCLA RQ	5000 lb		

#### 15.2. US State Regulations

15.2. OS State Regulations	
SPARTACOTE® Urethane Cement Part B	
State or local regulations	
4,4'-Methylenediphenyl diisocyanate (101-68-8)	
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	

## Isocyanic acid, polymethylenepolyphenylene ester (9016-87-9)

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

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

### 15.3. Canadian Regulations

<b>o</b>	
4,4'-Methylenediphenyl diisocyanate (101-68-8)	
Listed on the Canadian DSL (Domestic Substances List)	
Isocyanic acid, polymethylenepolyphenylene ester (9016-87-9)	
Listed on the Canadian DSI (Domestic Substances List)	

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Benzene, 1,1'-methylenebis[isocyanato- (26447-40-5) 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

: 02/22/2022

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. 4 (Inhalation)	Acute toxicity (inhalation) Category 4
Acute Tox. 4 (Inhalation:dust,mist)	Acute toxicity (inhalation:dust,mist) Category 4
Carc. 2	Carcinogenicity Category 2
Eye Irrit. 2A	Serious eye damage/eye irritation Category 2A
Eye Irrit. 2B	Serious eye damage/eye irritation Category 2B
Resp. Sens. 1	Respiratory sensitization, Category 1
Skin Irrit. 2	Skin corrosion/irritation Category 2
Skin Sens. 1	Skin sensitization, Category 1
STOT RE 2	Specific target organ toxicity (repeated exposure) Category 2
STOT SE 3	Specific target organ toxicity — Single exposure, Category 3, Respiratory tract irritation
H315	Causes skin irritation
H317	May cause an allergic skin reaction
H319	Causes serious eye irritation
H320	Causes eye irritation
H332	Harmful if inhaled
H334	May cause an allergy or asthma symptoms or breathing difficulties if inhaled
H335	May cause respiratory irritation
H351	Suspected of causing cancer
H373	May cause damage to organs through prolonged or repeated exposure

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)

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