



## Safety Data Sheet

### Section 1: Identification of the Substance/Mixture and of the Company/Undertaking

#### 1.1 Product identifier

- Product Name** • **BCF-12**
- Synonyms** • Scintillation fiber

#### 1.2 Relevant identified uses of the substance or mixture and uses advised against

- Relevant identified use(s)** • Consult manufacturer for recommended product use.

#### 1.3 Details of the supplier of the safety data sheet

- Manufacturer** • Luxium Solutions  
 17900 Great Lakes Parkway  
 Hiram, OH 44234-9681  
 United States  
 www.luxiumsolutions.com
- Telephone (General)** • 440-834-5600

#### 1.4 Emergency telephone number

**Contract #** 6493674

- U.S. & Canada** • 1-800-255-3924 – VelocityEHS
- International** • +1-813-248-0585 – VelocityEHS

### Section 2: Hazards Identification

#### EU/EEC

According to: Regulation (EC) No 1272/2008 (CLP)/REACH 1907/2006 [amended by 2015/830]

#### 2.1 Classification of the substance or mixture

- CLP** • Skin Irritation 2 - H315  
 Eye Irritation 2 - H319  
 Reproductive Toxicity 2 - H361d

#### 2.2 Label Elements

**CLP**

#### WARNING



- Hazard statements** • H315 - Causes skin irritation  
 H319 - Causes serious eye irritation

## Precautionary statements

**Prevention** • P264 - Wash thoroughly after handling.

**Response** • P302+P352 - IF ON SKIN: Wash with plenty of water.  
 P362+P364 - Take off contaminated clothing and wash it before reuse.  
 P321 - Specific treatment, see supplemental first aid information.  
 P332+P313 - If skin irritation occurs: Get medical advice/attention.  
 P305+P351+P338 - IF IN EYES: Rinse cautiously with water for several minutes.  
 Remove contact lenses, if present and easy to do. Continue rinsing.  
 P337+P313 - If eye irritation persists: Get medical advice/attention.

## 2.3 Other Hazards

CLP

- Avoid breathing dust from possible dust exposure when cutting fiber. According to Regulation (EC) No. 1272/2008 (CLP) this material is considered hazardous.

## United States (US)

According to: OSHA 29 CFR 1910.1200 HCS

## 2.1 Classification of the substance or mixture

OSHA HCS 2012

- Skin Irritation 2  
Eye Irritation 2

## 2.2 Label elements

OSHA HCS 2012

### WARNING



**Hazard statements** • Causes skin irritation  
 Causes serious eye irritation

## Precautionary statements

**Prevention** • Wash thoroughly after handling.  
 Wear protective gloves and eye/face protection , .

**Response** • If on skin: Wash with plenty of water.  
 Take off contaminated clothing and wash before reuse.  
 Specific treatment, see supplemental first aid information.  
 If skin irritation occurs: Get medical advice/attention.  
 IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.  
 If eye irritation persists: Get medical advice/attention.

## 2.3 Other hazards

OSHA HCS 2012

- Avoid breathing dust from possible dust exposure when cutting fiber. Under United States Regulations (29 CFR 1910.1200 - Hazard Communication Standard), this product is considered hazardous.

## Canada

According to: WHMIS 2015

## 2.1 Classification of the substance or mixture

WHMIS 2015

- Skin Irritation 2  
Eye Irritation 2

## 2.2 Label elements

WHMIS 2015

**WARNING**

- Hazard statements** • Causes skin irritation  
 Causes serious eye irritation

**Precautionary statements**

- Prevention** • Wash thoroughly after handling.  
 Wear protective gloves and eye/face protection , .
- Response** • IF ON SKIN: Wash with plenty of water.  
 Take off contaminated clothing and wash it before reuse.  
 Specific treatment, see supplemental first aid information.  
 If skin irritation occurs: Get medical advice/attention.  
 IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.  
 If eye irritation persists: Get medical advice/attention.

**2.3 Other hazards****WHMIS 2015**

- Avoid breathing dust from possible dust exposure when cutting fiber.  
 In Canada, the product mentioned above is considered hazardous under the Workplace Hazardous Materials Information System (WHMIS).

## Section 3 - Composition/Information on Ingredients

**3.1 Substances**

- Material does not meet the criteria of a substance.

**3.2 Mixtures**

Composition					
Chemical Name	Identifiers	%	LD50/LC50	Classifications According to Regulation/Directive	Comments
Ethenylbenzene	CAS:100-42-5 EC Number:202-851-5 EU Index:601-026-00-0	94.81% TO 98%	Ingestion/Oral-Rat <u>LD50 • 2650 mg/kg</u> Inhalation-Rat LC50 • 11800 mg/m <sup>3</sup> 4 Hour(s)	<b>EU CLP:</b> Annex VI, Table 3.1: Flam. Liq. 3, H226; Acute Tox. 4, H332; Skin Irrit. 2, H315; Eye Irrit. 2, H319; Repr. 2, H361d; STOT RE 1, H372 (hearing organs / Inhl) <b>OSHA HCS 2012:</b> Flam. Liq. 3; Acute Tox. 4 (Inhl); Skin Irrit. 2; Eye Irrit. 2; Muta. 2 (Inhl); Carc. 2 (Inhl); Repr. 2 (Inhl); STOT SE 3: Narc.; STOT SE 3: Resp. Irrit. (Inhl); Asp. Tox. 1 <b>WHMIS 2015:</b> Flam. Liq. 3; Acute Tox. 4 (Inhl); Skin Irrit. 2; Eye Irrit. 2; Muta. 2 (Inhl); Carc. 2 (Inhl); Repr. 2 (Inhl); STOT SE 3: Narc.; STOT SE 3: Resp. Irrit. (Inhl); Asp. Tox. 1	NDA
p-Terphenyl	CAS:92-94-4 EINECS:202-205-2	2% TO 5%	NDA	<b>EU CLP:</b> Acute Tox. 4, H302 <b>OSHA HCS 2012:</b> Acute Tox. 4 (Orl) <b>WHMIS 2015:</b> Acute Tox. 4 (Orl)	NDA
Benzene, 1,1',1'',1'''-(1,3-butadiene-1,4-diyliidene)tetrakis-	CAS:1450-63-1 EINECS:215-914-7	< 1%	NDA	<b>EU CLP:</b> Not Classified <b>OSHA HCS 2012:</b> Not Classified <b>WHMIS 2015:</b> Not Classified	NDA

See Section 16 for full text of H-statements.

## Section 4 - First Aid Measures

### 4.1 Description of first aid measures

- |                   |   |
|-------------------|---|
| <b>Inhalation</b> | <ul style="list-style-type: none"> <li>• Move victim to fresh air. Give artificial respiration if victim is not breathing. Administer oxygen if breathing is difficult. If signs/symptoms continue, get medical attention.</li> </ul> |
| <b>Skin</b>       | <ul style="list-style-type: none"> <li>• Wash skin with soap and water. If irritation develops and persists, get medical attention.</li> </ul>  |
| <b>Eye</b>        | <ul style="list-style-type: none"> <li>• Flush eyes with water for at least 15 minutes while holding eyelids open. If eye irritation persists: Get medical advice/attention.</li> </ul>   |
| <b>Ingestion</b>  | <ul style="list-style-type: none"> <li>• Rinse mouth. Do not give anything by mouth to an unconscious person. Do NOT induce vomiting. Obtain medical attention immediately if ingested.</li> </ul>                                    |

### 4.2 Most important symptoms and effects, both acute and delayed

- Refer to Section 11 - Toxicological Information.

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

- |                           |  |
|---------------------------|--|
| <b>Notes to Physician</b> | <ul style="list-style-type: none"> <li>• All treatments should be based on observed signs and symptoms of distress in the patient. Consideration should be given to the possibility that overexposure to materials other than this product may have occurred.</li> </ul> |
|---------------------------|--|

## Section 5 - Firefighting Measures

### 5.1 Extinguishing media

**Suitable Extinguishing Media** • Water fog, foam, CO<sub>2</sub>, or dry chemical.

**Unsuitable Extinguishing Media** • No data available

### 5.2 Special hazards arising from the substance or mixture

**Unusual Fire and Explosion Hazards** • No data available

**Hazardous Combustion Products** • No data available

### 5.3 Advice for firefighters

- Wear positive pressure self-contained breathing apparatus (SCBA). Structural firefighters' protective clothing will only provide limited protection.

## Section 6 - Accidental Release Measures

### 6.1 Personal precautions, protective equipment and emergency procedures

**Personal Precautions** • Ventilate the area before entry. Do not walk through spilled material. Wear appropriate personal protective equipment, avoid direct contact. Do not touch damaged containers or spilled material unless wearing appropriate protective clothing.

**Emergency Procedures** • As an immediate precautionary measure, isolate spill or leak area for at least 25 meters (75 feet) in all directions. Keep unauthorized personnel away.

### 6.2 Environmental precautions

- Avoid release to the environment.

### 6.3 Methods and material for containment and cleaning up

**Containment/Clean-up Measures** • Avoid generating dust.  
SMALL DRY SPILLS: With clean shovel place material into clean, dry container and cover loosely; move containers from spill area.

LARGE SPILLS: Cover powder spill with plastic sheet or tarp to minimize spreading.

## 6.4 Reference to other sections

- Refer to Section 8 - Exposure Controls/Personal Protection and Section 13 - Disposal Considerations.

## Section 7 - Handling and Storage

### 7.1 Precautions for safe handling

#### Handling

- Use only with adequate ventilation. Minimize dust generation and accumulation. Wear appropriate personal protective equipment, avoid direct contact. Avoid breathing dusts generated from this product. Avoid contact with skin, eyes or clothing. Wash thoroughly with soap and water after handling and before eating, drinking, or using tobacco.

### 7.2 Conditions for safe storage, including any incompatibilities

#### Storage

- Store in a cool, dry, well ventilated area.

### 7.3 Specific end use(s)

- Refer to Section 1.2 - Relevant identified uses.

## Section 8 - Exposure Controls/Personal Protection

### 8.1 Control parameters

Exposure Limits/Guidelines						
	Result	ACGIH	Canada British Columbia	Canada Manitoba	Canada New Brunswick	Canada Northwest Territories
Ethenylbenzene (100-42-5)	STELs	40 ppm STEL	75 ppm STEL	40 ppm STEL	40 ppm STEL; 170 mg/m3 STEL	40 ppm STEL
	TWAs	20 ppm TWA	50 ppm TWA	20 ppm TWA	20 ppm TWA; 85 mg/m3 TWA	20 ppm TWA
Exposure Limits/Guidelines (Con't.)						
	Result	Canada Nova Scotia	Canada Nunavut	Canada Ontario	Canada Quebec	Canada Yukon
Ethenylbenzene (100-42-5)	STELs	40 ppm STEL	40 ppm STEL	100 ppm STEL	100 ppm STEV; 426 mg/m3 STEV	125 ppm STEL; 525 mg/m3 STEL
	TWAs	20 ppm TWA	20 ppm TWA	35 ppm TWA	50 ppm TWAEV; 213 mg/m3 TWAEV	100 ppm TWA; 420 mg/m3 TWA
Exposure Limits/Guidelines (Con't.)						
	Result	Denmark	Finland	France	Germany DFG	Germany TRGS
p-Terphenyl (92-94-4)	TWAs	0.5 ppm TWA (listed under Terphenyls); 5 mg/m3 TWA (listed under Terphenyls)	Not established	Not established	Not established	Not established
	Ceilings	25 ppm Ceiling; 105 mg/m3 Ceiling	Not established	Not established	40 ppm Peak; 172 mg/m3 Peak	Not established
	Biological Limit Values	Not established	1.2 mmol/L Medium: urine Time: in the morning after a working day Parameter: MAPGA (MAPGA equals sum of urinary Mandelic and Phenylglyoxylic	Not established	Not established	Not established

Ethenylbenzene (100-42-5)	TWAs	Not established	20 ppm TWA; 86 mg/m <sup>3</sup> TWA	23.3 ppm TWA [VME] (indicative limit); 100 mg/m <sup>3</sup> TWA [VME] (indicative limit)	Not established	20 ppm TWA AGW (The risk of damage to the embryo or fetus can be excluded when AGW and BGW values are observed, exposure factor 2); 86 mg/m <sup>3</sup> TWA AGW (The risk of damage to the embryo or fetus can be excluded when AGW and BGW values are observed, exposure factor 2)
	STELs	Not established	Not established	46.6 mg/m <sup>3</sup> STEL [VLCT] (indicative limit); 200 ppm STEL [VLCT] (indicative limit)	Not established	Not established
	MAKs	Not established	Not established	Not established	20 ppm TWA MAK; 86 mg/m <sup>3</sup> TWA MAK	Not established

#### Exposure Limits/Guidelines (Con't.)

	Result	Greece	Hungary	Ireland	NIOSH	OSHA
p-Terphenyl (92-94-4)	Ceilings	Not established	Not established	Not established	0.5 ppm Ceiling; 5 mg/m <sup>3</sup> Ceiling	Not established
Ethenylbenzene (100-42-5)	TWAs	100 ppm TWA; 425 mg/m <sup>3</sup> TWA	50 mg/m <sup>3</sup> TWA [AK]	20 ppm TWA; 85 mg/m <sup>3</sup> TWA	50 ppm TWA; 215 mg/m <sup>3</sup> TWA	100 ppm TWA
	STELs	250 ppm STEL; 1050 mg/m <sup>3</sup> STEL	50 mg/m <sup>3</sup> STEL [CK]	40 ppm STEL; 170 mg/m <sup>3</sup> STEL	100 ppm STEL; 425 mg/m <sup>3</sup> STEL	Not established
	Ceilings	Not established	Not established	Not established	Not established	200 ppm Ceiling

#### Exposure Limits/Guidelines (Con't.)

	Result	Poland	Portugal	Spain	Sweden
Ethenylbenzene (100-42-5)	STELs	100 mg/m <sup>3</sup> STEL [NDSCh]	40 ppm STEL [VLE-CD]	40 ppm STEL [VLA-EC]; 172 mg/m <sup>3</sup> STEL [VLA-EC]	20 ppm Indicative STEL Vägledande KGV; 86 mg/m <sup>3</sup> Indicative STEL Vägledande KGV
	TWAs	50 mg/m <sup>3</sup> TWA [NDS]	20 ppm TWA [VLE-MP]	20 ppm TWA [VLA-ED] (endocrine disruptor); 86 mg/m <sup>3</sup> TWA [VLA-ED] (endocrine disruptor)	10 ppm TLV NGV; 43 mg/m <sup>3</sup> TLV NGV

### Exposure Control Notations

#### Denmark

- Ethenylbenzene (100-42-5): **Skin Notations:** (Potential for cutaneous absorption)

#### Portugal

- Ethenylbenzene (100-42-5): **Carcinogens:** (A4 - Not Classifiable as a Human Carcinogen)

#### Sweden

- Ethenylbenzene (100-42-5): **Skin:** (Skin notation)

#### ACGIH

- Ethenylbenzene (100-42-5): **Carcinogens:** (A4 - Not Classifiable as a Human Carcinogen)

#### Germany DFG

- Ethenylbenzene (100-42-5): **Carcinogens:** (Category 5 (low carcinogenic potency)) | **Pregnancy:** (no risk to embryo/fetus if exposure limits adhered to)
- Pyrocatechol, 4-tert-butyl- (98-29-3): **Sensitizers:** (skin sensitizer)

## Exposure Limits Supplemental

### ACGIH

•Ethenylbenzene (100-42-5): **BEIs:** (400 mg/g creatinine Medium: urine Time: end of shift Parameter: Mandelic acid plus phenylglyoxylic acid (nonspecific); 40 µg/L Medium: urine Time: end of shift Parameter: Styrene) | **TLV Basis - Critical Effects:** (CNS impairment; peripheral neuropathy; upper respiratory tract irritation) | **Notice of Intended Changes (TLVs):** (2 ppm TWA; OTO; A3 - confirmed animal carcinogen with unknown relevance to humans; BEI; TLV basis: CNS impairment, ototoxicity (hearing loss), peripheral neuropathy, upper respiratory tract irritation, visual disorders)

### Germany TRGS

•Ethenylbenzene (100-42-5): **BELs:** (600 mg/g Medium: urine Time: end of shift Parameter: Mandelic acid plus Phenylglyoxylic acid (measured as mg/g Creatinine); 600 mg/g Medium: urine Time: end of several shifts Parameter: Mandelic acid plus Phenylglyoxylic acid (measured as mg/g Creatinine; for long-term exposures))

## 8.2 Exposure controls

### Engineering Measures/Controls

- Adequate ventilation systems as needed to control concentrations of airborne contaminants below applicable threshold limit values. Ensure that dust handling systems (such as exhaust ducts, dust collectors, vessels and processing equipment) are designed in a manner to prevent the escape of dust into the work area (i.e., there is not leakage from the equipment).

### Personal Protective Equipment

#### Respiratory

- For limited exposure use an N95 dust mask. For prolonged exposure use an air-purifying respirator with high efficiency particulate air (HEPA) filters. Follow the OSHA respirator regulations found in 29 CFR 1910.134 or European Standard EN 149. Use a NIOSH/MSHA or European Standard EN 149 approved respirator if exposure limits are exceeded or symptoms are experienced.

#### Eye/Face

- Wear safety goggles.

#### Skin/Body

- Wear appropriate gloves. Wear long sleeves and/or protective coveralls.

### Environmental Exposure Controls

- Follow best practice for site management and disposal of waste.

### Key to abbreviations

ACGIH = American Conference of Governmental Industrial Hygiene

BEI = Biological Exposure Indices

MAK = Maximale Arbeitsplatz Konzentration is the maximum permissible concentration

NIOSH = National Institute of Occupational Safety and Health

OSHA = Occupational Safety and Health Administration

STEL = Short Term Exposure Limits are based on 15-minute exposures

STEV = Short Term Exposure Value

TLV = Threshold Limit Value determined by the American Conference of Governmental Industrial Hygienists (ACGIH)

TWA = Time-Weighted Averages are based on 8h/day, 40h/week exposures

TWAEV = Time-Weighted Average Exposure Value

## Section 9 - Physical and Chemical Properties

### 9.1 Information on Basic Physical and Chemical Properties

Material Description			
Physical Form	Solid	Appearance/Description	Clear solid fiber.
Color	Clear	Odor	Data lacking
Odor Threshold	Data lacking		
General Properties			
Boiling Point	Data lacking	Melting Point/Freezing Point	Data lacking
Decomposition Temperature	Data lacking	pH	Data lacking
Specific Gravity/Relative Density	Data lacking	Water Solubility	Data lacking
Viscosity	Data lacking	Explosive Properties	Data lacking

Oxidizing Properties:	Data lacking		
<b>Volatility</b>			
Vapor Pressure	Data lacking	Vapor Density	Data lacking
Evaporation Rate	Data lacking		
<b>Flammability</b>			
Flash Point	Data lacking	UEL	Data lacking
LEL	Data lacking	Autoignition	Data lacking
Flammability (solid, gas)	Data lacking		
<b>Environmental</b>			
Octanol/Water Partition coefficient	Data lacking		

## 9.2 Other Information

- No additional physical and chemical parameters noted.

## Section 10: Stability and Reactivity

### 10.1 Reactivity

- No dangerous reaction known under conditions of normal use.

### 10.2 Chemical stability

- Stable under normal temperatures and pressures.

### 10.3 Possibility of hazardous reactions

- Hazardous polymerization not indicated.

### 10.4 Conditions to avoid

- No data available

### 10.5 Incompatible materials

- No data available

### 10.6 Hazardous decomposition products

- No data available

## Section 11 - Toxicological Information

### 11.1 Information on toxicological effects

Components	
Ethylbenzene (94.81% TO 98%)	100-42-5
<p><b>Acute Toxicity:</b> Ingestion/Oral-Rat LD50 • 2650 mg/kg; <i>Behavioral:Somnolence (general depressed activity); Liver:Other changes;</i> Inhalation-Rat LC50 • 11800 mg/m<sup>3</sup> 4 Hour(s); Inhalation-Human TCLo • 376 ppm 1 Hour(s); <i>Peripheral Nerve and Sensation:Flaccid paralysis without anesthesia (usually neuromuscular blockage); Behavioral:Changes in motor activity (specific assay);</i></p> <p><b>Irritation:</b> Eye-Rabbit • 100 mg 24 Hour(s) • Moderate irritation; Skin-Rabbit • 100 % • Moderate irritation;</p> <p><b>Multi-dose Toxicity:</b> Inhalation-Mouse TCLo • 500 ppm 6 Hour(s) 22 Day(s)-Intermittent; <i>Liver:Hepatitis (hepatocellular necrosis), diffuse;</i> <i>Blood:Changes in serum composition (e.g., TP, bilirubin cholesterol); Biochemical:Enzyme inhibition, induction, or change in blood or tissue levels:Other transferases;</i> Inhalation-Mouse TCLo • 250 ppm 6 Hour(s) 14 Day(s)-Intermittent; <i>Liver:Hepatitis (hepatocellular necrosis), zonal;</i> <i>Liver:Changes in liver weight;</i> <i>Related to Chronic Data:Death in the Other Multiple Dose data type field;</i> Inhalation-Mouse TCLo • 500 ppm 90 Day(s)-Intermittent; <i>Lungs, Thorax, or Respiration:Structural or functional change in trachea or bronchi;</i> <i>Liver:Hepatitis (hepatocellular necrosis), zonal;</i> <i>Related to Chronic Data:Death in the Other Multiple Dose data type field;</i> Inhalation-Rat TCLo • 600 ppm 4 Week(s)-Intermittent; <i>Sense Organs and Special Senses:Ear:Change in acuity;</i> <i>Sense Organs and Special Senses:Ear:Changes in cochlear structure or function;</i></p> <p><b>Mutagen:</b> Sister chromatid exchange • Inhalation-Human • 1204 mg/m<sup>3</sup> 5 Year(s)-Intermittent; DNA adduct • Inhalation</p>	

		-Mouse • 1500 µg/L 21 Day(s)-Intermittent; Sister chromatid exchange • Inhalation-Mouse • 125 ppm 4 Day(s)-Intermittent; Cytogenetic analysis • Inhalation-Rat • 300 ppm 8 Week(s)-Intermittent; <b>Reproductive:</b> Inhalation-Rat TCLo • 1500 µg/m <sup>3</sup> 24 Hour(s)(1-22D preg); <i>Reproductive Effects:Effects on Embryo or Fetus:Fetotoxicity (except death, e.g., stunted fetus); Reproductive Effects:Effects on Embryo or Fetus:Fetal death;</i> Inhalation-Rat TCLo • 5 mg/m <sup>3</sup> 24 Hour(s)(1-22D preg); <i>Reproductive Effects:Effects on Newborn:Stillbirth;</i> <i>Reproductive Effects:Effects on Newborn:Weaning or lactation index;</i> <b>Tumorigen / Carcinogen:</b> Inhalation-Mouse TCLo • 160 ppm 6 Hour(s) 98 Week(s)-Intermittent; <i>Tumorigenic:Carcinogenic by RTECS criteria; Lungs, Thorax, or Respiration:Tumors;</i> Inhalation-Mouse TCLo • 20 ppm 6 Hour(s) 98 Week(s)-Intermittent; <i>Tumorigenic:Neoplastic by RTECS criteria; Lungs, Thorax, or Respiration:Tumors;</i> Inhalation-Rat TCLo • 100 ppm 4 Hour(s) 5 Day(s)-Intermittent; <i>Tumorigenic:Carcinogenic by RTECS criteria; Skin and Appendages:Other:Tumors; Blood:Leukemia</i>
p-Terphenyl (2% TO 5%)	92-94-4	<b>Acute Toxicity:</b> Ingestion/Oral-Rat LD50 • 1000 mg/kg; <i>Liver:Changes in liver weight;</i> <b>Multi-dose Toxicity:</b> Ingestion/Oral-Rat TDLo • 1680 mg/kg 14 Day(s)-Continuous; <i>Blood:Changes in serum composition (e.g., TP, bilirubin cholesterol); Biochemical:Metabolism (intermediary):Lipids, including transport</i>
Benzene, 1,1',1'',1'''-(1,3-butadiene-1,4-diyliidene)tetrakis- (< 1%)	1450-63-1	<b>Acute Toxicity:</b> Ingestion/Oral-Mouse LD50 • >14 g/kg

GHS Properties	Classification
<b>Acute toxicity</b>	EU/CLP • Data lacking OSHA HCS 2012 • Data lacking WHMIS 2015 • Data lacking
<b>Skin corrosion/Irritation</b>	EU/CLP • Skin Irritation 2 OSHA HCS 2012 • Skin Irritation 2 WHMIS 2015 • Skin Irritation 2
<b>Serious eye damage/Irritation</b>	EU/CLP • Eye Irritation 2 OSHA HCS 2012 • Eye Irritation 2 WHMIS 2015 • Eye Irritation 2
<b>Skin sensitization</b>	EU/CLP • Data lacking OSHA HCS 2012 • Data lacking WHMIS 2015 • Data lacking
<b>Respiratory sensitization</b>	EU/CLP • Data lacking OSHA HCS 2012 • Data lacking WHMIS 2015 • Data lacking
<b>Aspiration Hazard</b>	EU/CLP • Data lacking OSHA HCS 2012 • Data lacking WHMIS 2015 • Data lacking
<b>Carcinogenicity</b>	EU/CLP • Data lacking OSHA HCS 2012 • Data lacking WHMIS 2015 • Data lacking
<b>Germ Cell Mutagenicity</b>	EU/CLP • Data lacking OSHA HCS 2012 • Data lacking WHMIS 2015 • Data lacking
<b>Toxicity for Reproduction</b>	EU/CLP • Data lacking OSHA HCS 2012 • Data lacking WHMIS 2015 • Data lacking
	EU/CLP • Data lacking

STOT-SE	OSHA HCS 2012 • Data lacking WHMIS 2015 • Data lacking
STOT-RE	EU/CLP • Data lacking OSHA HCS 2012 • Data lacking WHMIS 2015 • Data lacking

## Potential Health Effects

### Inhalation

- Acute (Immediate)**
- Processes such as cutting, grinding, crushing, or impact may result in generation of excessive amounts of airborne dusts in the workplace. Nuisance dust may affect the lungs but reactions are typically reversible.
- Chronic (Delayed)**
- No data available.

### Skin

- Acute (Immediate)**
- Causes skin irritation.
- Chronic (Delayed)**
- No data available.

### Eye

- Acute (Immediate)**
- Causes serious eye irritation. Excessive concentrations of nuisance dust in the workplace may reduce visibility and may cause unpleasant deposits in eyes.
- Chronic (Delayed)**
- No data available.

### Ingestion

- Acute (Immediate)**
- Excessive concentrations of nuisance dust in the workplace may cause mechanical irritation to mucous membranes.
- Chronic (Delayed)**
- No data available.

Carcinogenic Effects			
	CAS	IARC	NTP
Ethylbenzene	100-42-5	Group 2B-Possible Carcinogen	Reasonably Anticipated to be Human Carcinogen

#### Key to abbreviations

LC = Lethal Concentration  
LD = Lethal Dose  
TC = Toxic Concentration  
TD = Toxic Dose

## Section 12 - Ecological Information

### 12.1 Toxicity

- Material data lacking.

### 12.2 Persistence and degradability

- Material data lacking.

### 12.3 Bioaccumulative potential

- Material data lacking.

### 12.4 Mobility in Soil

- Material data lacking.

### 12.5 Results of PBT and vPvB assessment

- No PBT and vPvB assessment has been conducted.

### 12.6 Other adverse effects

- No studies have been found.

## Section 13 - Disposal Considerations

### 13.1 Waste treatment methods

#### Product waste

- Dispose of content and/or container in accordance with local, regional, national, and/or international regulations.

#### Packaging waste

- Dispose of content and/or container in accordance with local, regional, national, and/or international regulations.

## Section 14 - Transport Information

	14.1 UN number	14.2 UN proper shipping name	14.3 Transport hazard class(es)	14.4 Packing group	14.5 Environmental hazards
DOT	Not Applicable	Not Regulated	Not Applicable	Not Applicable	NDA
TDG	Not Applicable	Not Regulated	Not Applicable	Not Applicable	NDA
IMO/IMDG	Not Applicable	Not Regulated	Not Applicable	Not Applicable	NDA
IATA/ICAO	Not Applicable	Not Regulated	Not Applicable	Not Applicable	NDA

#### 14.6 Special precautions for user

- None specified.

#### 14.7 Transport in bulk according to Annex II of Marpol and the IBC Code

- Data lacking.

## Section 15 - Regulatory Information

### 15.1 Safety, health and environmental regulations/legislation specific for the substance or mixture

State Right To Know				
Component	CAS	MA	NJ	PA
Benzene, 1,1',1'',1'''-(1,3-butadiene-1,4-diyliidene)tetrakis-	1450-63-1	No	No	No
Ethenylbenzene	100-42-5	Yes	Yes	Yes
p-Terphenyl	92-94-4	Yes	No	No

Inventory						
Component	CAS	Canada DSL	Canada NDSL	EU EINECS	EU ELNICS	New Zealand
Benzene, 1,1',1'',1'''-(1,3-butadiene-1,4-diyliidene)tetrakis-	1450-63-1	No	Yes	Yes	No	No
Ethenylbenzene	100-42-5	Yes	No	Yes	No	Yes
p-Terphenyl	92-94-4	Yes	No	Yes	No	Yes

Inventory (Con't.)		
Component	CAS	TSCA

Benzene, 1,1',1",1'''-(1,3-butadiene-1,4-diyliidene) tetrakis-	1450-63-1	Yes
Ethenylbenzene	100-42-5	Yes
p-Terphenyl	92-94-4	Yes

## Belgium

### Labor

#### Belgium - Substances and Preparations - Carcinogens and Mutagens

• Ethenylbenzene	100-42-5	Not Listed
• Benzene, 1,1',1",1'''-(1,3-butadiene-1,4-diyliidene)tetrakis-	1450-63-1	Not Listed
• p-Terphenyl	92-94-4	Not Listed

#### Belgium - Substances and Preparations - Suspected Carcinogens and Mutagens

• Ethenylbenzene	100-42-5	
• Benzene, 1,1',1",1'''-(1,3-butadiene-1,4-diyliidene)tetrakis-	1450-63-1	Not Listed
• p-Terphenyl	92-94-4	Not Listed

## Canada

### Labor

#### Canada - WHMIS 1988 - Classifications of Substances

• Ethenylbenzene	100-42-5	B2, D2A
• Benzene, 1,1',1",1'''-(1,3-butadiene-1,4-diyliidene)tetrakis-	1450-63-1	Not Listed
• p-Terphenyl	92-94-4	Not Listed

#### Canada - WHMIS 1988 - Ingredient Disclosure List

• Ethenylbenzene	100-42-5	0.1 %
• Benzene, 1,1',1",1'''-(1,3-butadiene-1,4-diyliidene)tetrakis-	1450-63-1	Not Listed
• p-Terphenyl	92-94-4	1 %

### Environment

#### Canada - CEPA - Priority Substances List

• Ethenylbenzene	100-42-5	Priority Substance List 1 (substance not considered toxic)
• Benzene, 1,1',1",1'''-(1,3-butadiene-1,4-diyliidene)tetrakis-	1450-63-1	Not Listed
• p-Terphenyl	92-94-4	Not Listed

## Canada British Columbia

### Environment

#### Canada - British Columbia - Ozone Depleting Substances

• Ethenylbenzene	100-42-5	Not Listed
• Benzene, 1,1',1",1'''-(1,3-butadiene-1,4-diyliidene)tetrakis-	1450-63-1	Not Listed
• p-Terphenyl	92-94-4	Not Listed

## Canada Manitoba

### Environment

#### Canada - Manitoba - Ozone Depleting Substances and Other Halocarbons - Class 1

• Ethenylbenzene	100-42-5	Not Listed
• Benzene, 1,1',1",1'''-(1,3-butadiene-1,4-diyliidene)tetrakis-	1450-63-1	Not Listed
• p-Terphenyl	92-94-4	Not Listed

#### Canada - Manitoba - Ozone Depleting Substances and Other Halocarbons - Class 2

• Ethenylbenzene	100-42-5	Not Listed
------------------	----------	------------

• Benzene, 1,1',1",1'''-(1,3-butadiene-1,4-diyliidene)tetrakis-	1450-63-1	Not Listed
• p-Terphenyl	92-94-4	Not Listed

## Canada Nova Scotia

### Environment

#### Canada - Nova Scotia - Ozone Layer Protection Regulations

• Ethenylbenzene	100-42-5	Not Listed
• Benzene, 1,1',1",1'''-(1,3-butadiene-1,4-diyliidene)tetrakis-	1450-63-1	Not Listed
• p-Terphenyl	92-94-4	Not Listed

## Canada Ontario

### Environment

#### Canada - Ontario - Airborne Contaminant Reporting - Table 2A

• Ethenylbenzene	100-42-5	Not Listed
• Benzene, 1,1',1",1'''-(1,3-butadiene-1,4-diyliidene)tetrakis-	1450-63-1	Not Listed
• p-Terphenyl	92-94-4	Not Listed

#### Canada - Ontario - Airborne Contaminant Reporting - Table 2B

• Ethenylbenzene	100-42-5	Not Listed
• Benzene, 1,1',1",1'''-(1,3-butadiene-1,4-diyliidene)tetrakis-	1450-63-1	Not Listed
• p-Terphenyl	92-94-4	Not Listed

#### Canada - Ontario - Ozone Depleting Substances and Other Halocarbons - Class 1 Substances

• Ethenylbenzene	100-42-5	Not Listed
• Benzene, 1,1',1",1'''-(1,3-butadiene-1,4-diyliidene)tetrakis-	1450-63-1	Not Listed
• p-Terphenyl	92-94-4	Not Listed

#### Canada - Ontario - Ozone Depleting Substances and Other Halocarbons - Class 2 Substances

• Ethenylbenzene	100-42-5	Not Listed
• Benzene, 1,1',1",1'''-(1,3-butadiene-1,4-diyliidene)tetrakis-	1450-63-1	Not Listed
• p-Terphenyl	92-94-4	Not Listed

#### Canada - Ontario - Ozone Depleting Substances and Other Halocarbons - Halocarbons

• Ethenylbenzene	100-42-5	Not Listed
• Benzene, 1,1',1",1'''-(1,3-butadiene-1,4-diyliidene)tetrakis-	1450-63-1	Not Listed
• p-Terphenyl	92-94-4	Not Listed

## Canada Yukon

### Environment

#### Canada - Yukon - Ozone Depleting Substances and Other Halocarbons

• Ethenylbenzene	100-42-5	Not Listed
• Benzene, 1,1',1",1'''-(1,3-butadiene-1,4-diyliidene)tetrakis-	1450-63-1	Not Listed
• p-Terphenyl	92-94-4	Not Listed

## Denmark

### Environment

#### Denmark - Advisory List for Self-Classification of Dangerous Substances

• Ethenylbenzene	100-42-5	Not Listed
• Benzene, 1,1',1",1'''-(1,3-butadiene-1,4-diyliidene)tetrakis-	1450-63-1	Not Listed
• p-Terphenyl	92-94-4	N; R50/53 Xn; R22

#### Denmark - List of Undesirable Substances - Product Groups/Function

Solvents (used in a wide

• Ethenylbenzene	100-42-5	range of products including paints, coatings and cooling lubricants, listed under Organic solvents)
• Benzene, 1,1',1",1'''-(1,3-butadiene-1,4-diyliidene)tetrakis-	1450-63-1	Not Listed
• p-Terphenyl	92-94-4	Not Listed
<b>Denmark - List of Undesirable Substances - Reason for Selection</b>		
• Ethenylbenzene	100-42-5	On the EU Priority list of substances for further evaluation of their role in endocrine disruption. (listed under Organic solvents)
• Benzene, 1,1',1",1'''-(1,3-butadiene-1,4-diyliidene)tetrakis-	1450-63-1	Not Listed
• p-Terphenyl	92-94-4	Not Listed

## Europe

<b>Other</b>		
<b>EU - CLP (1272/2008) - Annex VI - Table 3.2 - Classification (OBSOLETE)</b>		
• Ethenylbenzene	100-42-5	R10 Xn; R20-48/20 Xi; R36/38 Repr.Cat.3; R63
• Benzene, 1,1',1",1'''-(1,3-butadiene-1,4-diyliidene)tetrakis-	1450-63-1	Not Listed
• p-Terphenyl	92-94-4	Not Listed
<b>EU - CLP (1272/2008) - Annex VI - Table 3.2 - Concentration Limits (OBSOLETE)</b>		
• Ethenylbenzene	100-42-5	12.5%≤C: Xn; R:20 12.5% ≤C: Xi; R:36/38
• Benzene, 1,1',1",1'''-(1,3-butadiene-1,4-diyliidene)tetrakis-	1450-63-1	Not Listed
• p-Terphenyl	92-94-4	Not Listed
<b>EU - CLP (1272/2008) - Annex VI - Table 3.2 - Labelling (OBSOLETE)</b>		
• Ethenylbenzene	100-42-5	Xn R:10-20-36/38-48/20-63 S: (2)-23-36/37-46
• Benzene, 1,1',1",1'''-(1,3-butadiene-1,4-diyliidene)tetrakis-	1450-63-1	Not Listed
• p-Terphenyl	92-94-4	Not Listed
<b>EU - CLP (1272/2008) - Annex VI - Table 3.2 - Notes - Substances and Preparations (OBSOLETE)</b>		
• Ethenylbenzene	100-42-5	D
• Benzene, 1,1',1",1'''-(1,3-butadiene-1,4-diyliidene)tetrakis-	1450-63-1	Not Listed
• p-Terphenyl	92-94-4	Not Listed
<b>EU - CLP (1272/2008) - Annex VI - Table 3.2 - Safety Phrases (OBSOLETE)</b>		
• Ethenylbenzene	100-42-5	S:(2)-23-36/37-46
• Benzene, 1,1',1",1'''-(1,3-butadiene-1,4-diyliidene)tetrakis-	1450-63-1	Not Listed
• p-Terphenyl	92-94-4	Not Listed
<b>EU - Hazardous Substances Restricted or Prohibited in Electrical Equipment (2011/65/EU) (RoHS)</b>		
• Ethenylbenzene	100-42-5	Not Listed
• Benzene, 1,1',1",1'''-(1,3-butadiene-1,4-diyliidene)tetrakis-	1450-63-1	Not Listed
• p-Terphenyl	92-94-4	Not Listed
<b>EU - Inventory of Cosmetic Ingredients Directive (INCI) (76/768/EEC) - Other Ingredients</b>		
• Ethenylbenzene	100-42-5	Not Listed
• Benzene, 1,1',1",1'''-(1,3-butadiene-1,4-diyliidene)tetrakis-	1450-63-1	Not Listed
• p-Terphenyl	92-94-4	Not Listed

**EU - Inventory of Cosmetic Ingredients Directive (INCI) (76/768/EEC) - Perfume and Aromatic Materials**

• Ethenylbenzene	100-42-5	
• Benzene, 1,1',1",1'''-(1,3-butadiene-1,4-diyliidene)tetrakis-	1450-63-1	Not Listed
• p-Terphenyl	92-94-4	Not Listed

**Germany****Labor****Germany - Immission Control - Qualifying Quantities for Major Accident Prevention**

• Ethenylbenzene	100-42-5	Not Listed
• Benzene, 1,1',1",1'''-(1,3-butadiene-1,4-diyliidene)tetrakis-	1450-63-1	Not Listed
• p-Terphenyl	92-94-4	Not Listed

**Germany - Immission Control - Qualifying Quantities for Safety Reporting**

• Ethenylbenzene	100-42-5	Not Listed
• Benzene, 1,1',1",1'''-(1,3-butadiene-1,4-diyliidene)tetrakis-	1450-63-1	Not Listed
• p-Terphenyl	92-94-4	Not Listed

**Germany - TRGS 505 - Specific Lead Regulations**

• Ethenylbenzene	100-42-5	Not Listed
• Benzene, 1,1',1",1'''-(1,3-butadiene-1,4-diyliidene)tetrakis-	1450-63-1	Not Listed
• p-Terphenyl	92-94-4	Not Listed

**Germany - TRGS 511 - Specific Ammonium Nitrate Regulations**

• Ethenylbenzene	100-42-5	Not Listed
• Benzene, 1,1',1",1'''-(1,3-butadiene-1,4-diyliidene)tetrakis-	1450-63-1	Not Listed
• p-Terphenyl	92-94-4	Not Listed

**Environment****Germany - TA Luft - Types and Classes**

• Ethenylbenzene	100-42-5	Not Listed
• Benzene, 1,1',1",1'''-(1,3-butadiene-1,4-diyliidene)tetrakis-	1450-63-1	Not Listed
• p-Terphenyl	92-94-4	Not Listed

**Germany - TA Luft - Emission Limits for Carcinogenic Substances**

• Ethenylbenzene	100-42-5	Not Listed
• Benzene, 1,1',1",1'''-(1,3-butadiene-1,4-diyliidene)tetrakis-	1450-63-1	Not Listed
• p-Terphenyl	92-94-4	Not Listed

**Germany - TA Luft - Emission Limits for Fibers**

• Ethenylbenzene	100-42-5	Not Listed
• Benzene, 1,1',1",1'''-(1,3-butadiene-1,4-diyliidene)tetrakis-	1450-63-1	Not Listed
• p-Terphenyl	92-94-4	Not Listed

**Germany - TA Luft - Emission Limits for Inorganic Dusts**

• Ethenylbenzene	100-42-5	Not Listed
• Benzene, 1,1',1",1'''-(1,3-butadiene-1,4-diyliidene)tetrakis-	1450-63-1	Not Listed
• p-Terphenyl	92-94-4	Not Listed

**Germany - TA Luft - Emission Limits for Inorganic Gases**

• Ethenylbenzene	100-42-5	Not Listed
• Benzene, 1,1',1",1'''-(1,3-butadiene-1,4-diyliidene)tetrakis-	1450-63-1	Not Listed
• p-Terphenyl	92-94-4	Not Listed

**Germany - TA Luft - Emission Limits for Organic Substances**

• Ethenylbenzene	100-42-5	Not Listed
------------------	----------	------------

• Benzene, 1,1',1",1'''-(1,3-butadiene-1,4-diyliidene)tetrakis-	1450-63-1	Not Listed
• p-Terphenyl	92-94-4	Not Listed
<b>Germany - Water Classification (VwVwS) - Annex 1</b>		
• Ethenylbenzene	100-42-5	Not Listed
• Benzene, 1,1',1",1'''-(1,3-butadiene-1,4-diyliidene)tetrakis-	1450-63-1	Not Listed
• p-Terphenyl	92-94-4	Not Listed
<b>Germany - Water Classification (VwVwS) - Annex 2 - Water Hazard Classes</b>		
• Ethenylbenzene	100-42-5	ID Number 187, hazard class 2 - hazard to waters
• Benzene, 1,1',1",1'''-(1,3-butadiene-1,4-diyliidene)tetrakis-	1450-63-1	Not Listed
• p-Terphenyl	92-94-4	Not Listed
<b>Germany - Water Classification (VwVwS) - Annex 3</b>		
• Ethenylbenzene	100-42-5	Not Listed
• Benzene, 1,1',1",1'''-(1,3-butadiene-1,4-diyliidene)tetrakis-	1450-63-1	Not Listed
• p-Terphenyl	92-94-4	Not Listed

## Greece

<b>Labor</b>		
<b>Greece - Substances Prohibited from Use in the Workplace</b>		
• Ethenylbenzene	100-42-5	Not Listed
• Benzene, 1,1',1",1'''-(1,3-butadiene-1,4-diyliidene)tetrakis-	1450-63-1	Not Listed
• p-Terphenyl	92-94-4	Not Listed

## Netherlands

<b>Other</b>		
<b>Netherlands - List of Carcinogens</b>		
• Ethenylbenzene	100-42-5	Not Listed
• Benzene, 1,1',1",1'''-(1,3-butadiene-1,4-diyliidene)tetrakis-	1450-63-1	Not Listed
• p-Terphenyl	92-94-4	Not Listed
<b>Netherlands - Major Accidents - Qualifying Quantities for Accident Prevention</b>		
• Ethenylbenzene	100-42-5	Not Listed
• Benzene, 1,1',1",1'''-(1,3-butadiene-1,4-diyliidene)tetrakis-	1450-63-1	Not Listed
• p-Terphenyl	92-94-4	Not Listed
<b>Netherlands - Major Accidents - Qualifying Quantities for Safety Reporting</b>		
• Ethenylbenzene	100-42-5	Not Listed
• Benzene, 1,1',1",1'''-(1,3-butadiene-1,4-diyliidene)tetrakis-	1450-63-1	Not Listed
• p-Terphenyl	92-94-4	Not Listed

## United Kingdom

<b>Environment</b>		
<b>United Kingdom - Pollution Inventory - Form PI 1 - Part 2 - Thresholds for Releases to Air</b>		
• Ethenylbenzene	100-42-5	Not Listed
• Benzene, 1,1',1",1'''-(1,3-butadiene-1,4-diyliidene)tetrakis-	1450-63-1	Not Listed
• p-Terphenyl	92-94-4	Not Listed

<b>Other</b>		
<b>United Kingdom - Major Accidents - Toxic Equivalent Factors (TEF)</b>		
• Ethenylbenzene	100-42-5	Not Listed
• Benzene, 1,1',1",1'''-(1,3-butadiene-1,4-diyliidene)tetrakis-	1450-63-1	Not Listed

• p-Terphenyl	92-94-4	Not Listed
<b>United Kingdom - Major Accidents - Qualifying Quantities for Accident Prevention</b>		
• Ethenylbenzene	100-42-5	Not Listed
• Benzene, 1,1',1",1'''-(1,3-butadiene-1,4-diyliidene)tetrakis-	1450-63-1	Not Listed
• p-Terphenyl	92-94-4	Not Listed
<b>United Kingdom - Major Accidents - Qualifying Quantities for Safety Reporting</b>		
• Ethenylbenzene	100-42-5	Not Listed
• Benzene, 1,1',1",1'''-(1,3-butadiene-1,4-diyliidene)tetrakis-	1450-63-1	Not Listed
• p-Terphenyl	92-94-4	Not Listed
<b>United Kingdom - Workplace Exposure Limits (WELs) - Substances in Review</b>		
• Ethenylbenzene	100-42-5	Not Listed
• Benzene, 1,1',1",1'''-(1,3-butadiene-1,4-diyliidene)tetrakis-	1450-63-1	Not Listed
• p-Terphenyl	92-94-4	Not Listed
<b>United Kingdom - List of Dangerous Substances in Water</b>		
• Ethenylbenzene	100-42-5	Not Listed
• Benzene, 1,1',1",1'''-(1,3-butadiene-1,4-diyliidene)tetrakis-	1450-63-1	Not Listed
• p-Terphenyl	92-94-4	Not Listed

## United States

<b>Labor</b>		
<b>U.S. - OSHA - Process Safety Management - Highly Hazardous Chemicals</b>		
• Ethenylbenzene	100-42-5	Not Listed
• Benzene, 1,1',1",1'''-(1,3-butadiene-1,4-diyliidene)tetrakis-	1450-63-1	Not Listed
• p-Terphenyl	92-94-4	Not Listed
<b>U.S. - OSHA - Specifically Regulated Chemicals</b>		
• Ethenylbenzene	100-42-5	Not Listed
• Benzene, 1,1',1",1'''-(1,3-butadiene-1,4-diyliidene)tetrakis-	1450-63-1	Not Listed
• p-Terphenyl	92-94-4	Not Listed

<b>Environment</b>		
<b>U.S. - CAA (Clean Air Act) - 1990 Hazardous Air Pollutants</b>		
• Ethenylbenzene	100-42-5	
• Benzene, 1,1',1",1'''-(1,3-butadiene-1,4-diyliidene)tetrakis-	1450-63-1	Not Listed
• p-Terphenyl	92-94-4	Not Listed
<b>U.S. - CERCLA/SARA - Hazardous Substances and their Reportable Quantities</b>		
• Ethenylbenzene	100-42-5	1000 lb final RQ; 454 kg final RQ
• Benzene, 1,1',1",1'''-(1,3-butadiene-1,4-diyliidene)tetrakis-	1450-63-1	Not Listed
• p-Terphenyl	92-94-4	Not Listed
<b>U.S. - CERCLA/SARA - Radionuclides and Their Reportable Quantities</b>		
• Ethenylbenzene	100-42-5	Not Listed
• Benzene, 1,1',1",1'''-(1,3-butadiene-1,4-diyliidene)tetrakis-	1450-63-1	Not Listed
• p-Terphenyl	92-94-4	Not Listed
<b>U.S. - CERCLA/SARA - Section 302 Extremely Hazardous Substances EPCRA RQs</b>		
• Ethenylbenzene	100-42-5	Not Listed
• Benzene, 1,1',1",1'''-(1,3-butadiene-1,4-diyliidene)tetrakis-	1450-63-1	Not Listed
• p-Terphenyl	92-94-4	Not Listed

**U.S. - CERCLA/SARA - Section 302 Extremely Hazardous Substances TPQs**

• Ethenylbenzene	100-42-5	Not Listed
• Benzene, 1,1',1",1'''-(1,3-butadiene-1,4-diyliidene)tetrakis-	1450-63-1	Not Listed
• p-Terphenyl	92-94-4	Not Listed

**U.S. - CERCLA/SARA - Section 313 - Emission Reporting**

• Ethenylbenzene	100-42-5	0.1 % de minimis concentration
• Benzene, 1,1',1",1'''-(1,3-butadiene-1,4-diyliidene)tetrakis-	1450-63-1	Not Listed
• p-Terphenyl	92-94-4	Not Listed

**U.S. - CERCLA/SARA - Section 313 - PBT Chemical Listing**

• Ethenylbenzene	100-42-5	Not Listed
• Benzene, 1,1',1",1'''-(1,3-butadiene-1,4-diyliidene)tetrakis-	1450-63-1	Not Listed
• p-Terphenyl	92-94-4	Not Listed

**U.S. - CWA (Clean Water Act) - Hazardous Substances**

• Ethenylbenzene	100-42-5	
• Benzene, 1,1',1",1'''-(1,3-butadiene-1,4-diyliidene)tetrakis-	1450-63-1	Not Listed
• p-Terphenyl	92-94-4	Not Listed

**U.S. - CWA (Clean Water Act) - Priority Pollutants**

• Ethenylbenzene	100-42-5	Not Listed
• Benzene, 1,1',1",1'''-(1,3-butadiene-1,4-diyliidene)tetrakis-	1450-63-1	Not Listed
• p-Terphenyl	92-94-4	Not Listed

**U.S. - CWA (Clean Water Act) - Reportable Quantities of Designated Hazardous Substances**

• Ethenylbenzene	100-42-5	1000 lb RQ
• Benzene, 1,1',1",1'''-(1,3-butadiene-1,4-diyliidene)tetrakis-	1450-63-1	Not Listed
• p-Terphenyl	92-94-4	Not Listed

**U.S. - CWA (Clean Water Act) - Toxic Pollutants**

• Ethenylbenzene	100-42-5	Not Listed
• Benzene, 1,1',1",1'''-(1,3-butadiene-1,4-diyliidene)tetrakis-	1450-63-1	Not Listed
• p-Terphenyl	92-94-4	Not Listed

**United States - California****Environment****U.S. - California - Proposition 65 - Carcinogens List**

• Ethenylbenzene	100-42-5	carcinogen, 4/22/2016
• Benzene, 1,1',1",1'''-(1,3-butadiene-1,4-diyliidene)tetrakis-	1450-63-1	Not Listed
• p-Terphenyl	92-94-4	Not Listed

**U.S. - California - Proposition 65 - Developmental Toxicity**

• Ethenylbenzene	100-42-5	Not Listed
• Benzene, 1,1',1",1'''-(1,3-butadiene-1,4-diyliidene)tetrakis-	1450-63-1	Not Listed
• p-Terphenyl	92-94-4	Not Listed

**U.S. - California - Proposition 65 - Maximum Allowable Dose Levels (MADL)**

• Ethenylbenzene	100-42-5	Not Listed
• Benzene, 1,1',1",1'''-(1,3-butadiene-1,4-diyliidene)tetrakis-	1450-63-1	Not Listed
• p-Terphenyl	92-94-4	Not Listed

**U.S. - California - Proposition 65 - No Significant Risk Levels (NSRL)**

• Ethenylbenzene	100-42-5	27 µg/day NSRL
------------------	----------	----------------

• Benzene, 1,1',1",1'''-(1,3-butadiene-1,4-diyliidene)tetrakis-	1450-63-1	Not Listed
• p-Terphenyl	92-94-4	Not Listed
<b>U.S. - California - Proposition 65 - Reproductive Toxicity - Female</b>		
• Ethenylbenzene	100-42-5	Not Listed
• Benzene, 1,1',1",1'''-(1,3-butadiene-1,4-diyliidene)tetrakis-	1450-63-1	Not Listed
• p-Terphenyl	92-94-4	Not Listed
<b>U.S. - California - Proposition 65 - Reproductive Toxicity - Male</b>		
• Ethenylbenzene	100-42-5	Not Listed
• Benzene, 1,1',1",1'''-(1,3-butadiene-1,4-diyliidene)tetrakis-	1450-63-1	Not Listed
• p-Terphenyl	92-94-4	Not Listed

## United States - Pennsylvania

### Labor

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

• Ethenylbenzene	100-42-5	
• Benzene, 1,1',1",1'''-(1,3-butadiene-1,4-diyliidene)tetrakis-	1450-63-1	Not Listed
• p-Terphenyl	92-94-4	Not Listed

#### U.S. - Pennsylvania - RTK (Right to Know) - Special Hazardous Substances

• Ethenylbenzene	100-42-5	Not Listed
• Benzene, 1,1',1",1'''-(1,3-butadiene-1,4-diyliidene)tetrakis-	1450-63-1	Not Listed
• p-Terphenyl	92-94-4	Not Listed

## 15.2 Chemical Safety Assessment

- No Chemical Safety Assessment has been carried out.

## 15.3 Other Information

- WARNING: This product contains a chemical known to the State of California to cause cancer.

## Section 16 - Other Information

### Relevant Phrases (code & full text)

- H226 - Flammable liquid and vapour
- H302 - Harmful if swallowed
- H332 - Harmful if inhaled

### Revision Date

- 15/March/2023

### Preparation Date

- 15/June/2018

### Disclaimer/Statement of Liability

- Reasonable care has been taken in the preparation of this information, but the supplier gives no warranty of merchantability or of fitness for a particular purpose. Any product purchased is sold on the assumption the purchaser will make his own tests to determine the quality and suitability of the product. Supplier expressly disclaims any and all liability for incidental and/or consequential property damage arising out of the use of this product. No information provided shall be deemed to be a recommendation to use any product in conflict with any existing patent rights. Read the Safety Data Sheet before handling product.

### Key to abbreviations

NDA = No Data Available