

**1. IDENTIFICATION**

<b>Product identifier</b>	Epoxy Conduit and Fittings
<b>Product code</b>	Series 10, 11, 12, 14, 20, 21, 22 and 24
<b>Other means of identification</b>	None.
<b>Recommended use of the chemical and restrictions on use</b>	Epoxy Conduit System Product for electrical and/or telecommunication installations. Not recommended for any other use not detailed on product data sheet or label.
<b>Manufacturer</b>	<p>FRE COMPOSITES INC.                  75 Wales Street                  Saint-André-d'Argenteuil                  Quebec, Canada J0V 1X0                  Tel: 450-537-3311                  Tel toll-free: 1-888-849-9909                  www.frecomposites.com</p> <p>FRE COMPOSITES USA INC.                  60 Greenhorn Drive Pueblo, CO                  USA 81004                  Tel. : 719 565-3311</p>
<b>Emergency phone number</b>	1-888-849-9909

**2. HAZARD IDENTIFICATION**

<b>Summary</b>	<p>This product is not regulated according to the Canadian Hazardous Products Act (HPA) and Hazardous Products Regulations (HPR) SOR/2015-17 (or WHMIS 2015) and to OSHA 29CFR Part 1910.1200 (HazCom 2012).</p> <p>WHMIS 2015/GHS/OSHA HCS 2012</p> <p>Not Regulated under WHMIS 2015   P103: Read label before use.                  Not Regulated under OSHA HCS 2012/GHS</p>
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**3. COMPOSITION/INFORMATION ON INGREDIENTS**

Common name	CAS	Weight % content
Glass, oxide, chemicals	65997-17-3	60 - 80 %
Polymerized Epoxy Resin	Polymer Epoxy	15 - 40 %
Phenol, isopropylate, phosphate (3:1)	68937-41-7	1 - 5 %
Carbon black	1333-86-4	0.1 - 1 %

Note: Polymerized Epoxy Resin does not have a known CAS number. This ingredient has no physical danger and no health danger. The manufacturer withholds the actual concentration range of the ingredients as a trade secret.

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**4. FIRST-AID MEASURES**

<b>Inhalation</b>	No first aid is necessary.
<b>Skin contact</b>	No first aid is necessary.
<b>Eye contact</b>	Flush with water for at least 15 minutes. Remove contact lenses if easy to do. Hold eyelids apart to rinse properly. If a problem develops or persists, seek medical attention.
<b>Ingestion</b>	Not relevant to this product.
<b>Other</b>	No additional information.
<b>Symptoms</b>	No critical hazards to health.
<b>Notes to the physician</b>	No critical hazards to health.

**5. FIRE-FIGHTING MEASURES**

<b>Suitable extinguishing media</b>	Use appropriate extinguisher for surrounding fire.
<b>Specific hazards arising from the chemical</b>	No hazard listed.
<b>Special protective equipment</b>	Firefighters must wear self contained breathing apparatus with full face mask.
<b>Special protective actions for firefighters</b>	None reported.

**6. ACCIDENTAL RELEASE MEASURES**

<b>Personal precautions, protective equipment and emergency procedures</b>	Make sure to wear personal protective equipment mentioned in this Safety Data Sheet.
<b>Environmental precautions</b>	No hazard listed.
<b>Methods and materials for containment and cleaning up</b>	Pick up mechanically and reuse as long as it is not contaminated.

**7. HANDLING AND STORAGE**

<b>Precautions for safe handling</b>	Wear eye protection, gloves and other protective clothing that are adapted to the task being performed and the risks involved.
<b>Conditions for safe storage, including any incompatibilities</b>	Store away from direct sunlight.
<b>Storage temperature</b>	15 to 25°C (59 to 77°F)

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**8. EXPOSURE CONTROLS/PERSONAL PROTECTION**

<b>Immediately Dangerous to Life or Health</b>		Carbon black: 1750 mg/m3.			
Glass, oxide, chemicals	TWA (8 h)	Inhalable Fraction	5 mg/m <sup>3</sup>	1 f/cc	ACGIH
Carbon black	Ceiling TWA (8h)	Total Dust	5 mg/m <sup>3</sup>	3 f/cc	NIOSH
		Total Dust	10 mg/m <sup>3</sup>		RSST
			3,5 mg/m <sup>3</sup>		OSHA
			3 mg/m <sup>3</sup>		ACGIH , BC, ON
			3,5 mg/m <sup>3</sup>		RSST
<b>Appropriate engineering controls</b>		Provide sufficient mechanical ventilation (general or local exhaust) to keep the airborne concentrations of vapours, mists, aerosols or dust below their respective occupational exposure limits. .			

**Individual protection measures**

<b>Eye</b>	Wear safety glasses with side shields.
<b>Hands</b>	Wear leather gloves, nitrile or neoprene gloves. Discard gloves with tears, pinholes, or signs of wear.
<b>Skin</b>	Personal protective equipment for the body should be selected based on the task being performed and the risks involved. Wear normal work clothing covering arms and legs as required by employer code.
<b>Respiratory</b>	Respiratory protection is not required for normal use. Wear a respirator where the conditions in the workplace require it. Moreover, respiratory protection equipment (RPE) must be selected, fitted, maintained and inspected in accordance with regulations and standard 29 CFR 1910.134 (OSHA), ANSI Z88.2 or CSA Z 94.11 (Canada) and approved by NIOSH/MSHA.
<b>Feet</b>	None

Safety glasses



Nitrile gloves



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**9. PHYSICAL AND CHEMICAL PROPERTIES**

<b>Physical state</b>	Solid	<b>Flammability</b>	Non-flammable
<b>Colour</b>	Black	<b>Flammability limits</b>	Non-flammable
<b>Odour</b>	Odourless	<b>Flash point</b>	N/Av.
<b>Odour threshold</b>	N/Av.	<b>Auto-ignition temperature</b>	N/Av.
<b>pH</b>	N/Av.	<b>Sensibility to electrostatic charges</b>	No
<b>Melting point</b>	N/Av.	<b>Sensibility to sparks and/or friction</b>	No
<b>Freezing point</b>	N/Av.	<b>Vapour density</b>	N/Av. (Air = 1)
<b>Boiling point</b>	N/Av.	<b>Relative density</b>	1.7 to 1.9 kg/L (Water = 1)
<b>Solubility</b>	Soluble in water.	<b>Partition coefficient n-octanol/water</b>	N/Av.
<b>Evaporation rate</b>	N/Av.	<b>Decomposition temperature</b>	N/Av.
<b>Vapour pressure</b>	N/Av.	<b>Viscosity</b>	N/Av.
<b>Percent Volatile</b>	N/Av.	<b>Molecular mass</b>	N/Av.

N/Av.: Not Available N/Av.: Not Applicable Und.: Undetermined N/E: Not Established

**10. STABILITY AND REACTIVITY**

<b>Reactivity</b>	No reaction expected.
<b>Chemical stability</b>	Stable under recommended storage conditions.
<b>Possibility of hazardous reactions (including polymerizations)</b>	Hazardous polymerization will not occur.
<b>Conditions to avoid</b>	None reported.
<b>Incompatible materials</b>	Not applicable.
<b>Hazardous decomposition products</b>	No decomposition product.

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**11. TOXICOLOGICAL INFORMATION**


<b>Numerical measures of toxicity</b>	Glass, oxide, chemicals	Ingestion	>2000 mg/kg	Rat	LD50	
		Skin	>2000 mg/kg	Rabbit	LD50	
	Phenol, isopropylate, phosphate (3:1)	Ingestion	>5000 mg/kg	Rat	LD50	
		Inhalation	>200 mg/l/1h	Rat	LC50	
	Carbon black	Skin	>10000 mg/kg	Rabbit	LD50	
		Ingestion	>15400 mg/kg	Rat	LD50	
	Skin	>3000 mg/kg	Rabbit	LD50		
<b>Likely routes of exposure</b>	Skin, eyes, inhalation, ingestion.					
<b>Delayed, immediate and chronic effects</b>	<b>Eye contact</b>	Not irritating (OECD TG 405). The friction can cause mechanical eyes irritation.				
	<b>Skin contact</b>	Not irritating (OECD TG 404). The mechanical friction can cause skin irritation.				
	<b>Inhalation</b>	No significant effects or critical hazards to health.				
	<b>Ingestion</b>	Not a likely route of exposure.				
	<b>Respiratory or skin sensitization</b>	Ingredients present at levels greater than or equal to 0.1% of this product are not skin or respiratory sensitizers.				
	<b>IARC/NTP Classification</b>	<b>Common name</b>	<b>IARC</b>	<b>NTP</b>		
		Glass, oxide, chemicals	-	R		
		Carbon black	2B	-		
		IARC : 1- Carcinogenic; 2A- Probably carcinogenic; 2B- Possibly carcinogenic. NTP : K- Known to be carcinogens; R- Reasonably anticipated to be carcinogens.				
	<b>Carcinogenicity</b>	The product contains ingredients which are carcinogenic by inhalation of dust. However, the physical state of this product is not expected to produce dust. So there is no risk of cancer during normal use. This product does not present such risk of chronic health because the latter is bound to other materials (thermosetted resin).				
<b>Mutagenicity</b>	Ingredients in this product present at levels greater than or equal to 0.1% are not known to cause mutagenic effects.					
<b>Reproductive toxicity</b>	Phenol, isopropylate, phosphate (3:1) (CAS no 68937-41-7) has adverse effect on reproductive performance on rat by oral gavage. This product does not present such risk of chronic health because the latter is bound to other materials (thermosetted resin).					
<b>Specific target organ toxicity - single exposure</b>	No target organ is listed.					
<b>Specific target organ toxicity - repeated exposure</b>	No target organ is listed.					
<b>Interactive effects</b>	No information available for this product.					
<b>Other information</b>	The oral and skin acute toxicity estimates (ATE) of the mixture were calculated to be greater than 2000 mg/kg. These values are not classified according to WHMIS 2015 and OSHA HCS 2012.					

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**12. ECOLOGICAL INFORMATION**

<b>Ecological toxicity</b>	Fish various LC50 > 100 mg/l ; 96h
<b>Persistence</b>	Contains an or many ingredients that may be persistent in the environment.
<b>Degradability</b>	No information available for this product.
<b>Bioaccumulative potential</b>	No bioaccumulation.
<b>Mobility in soil</b>	The product is a mixture whose ingredients have moderate to low mobility in the soil.
<b>Other adverse effects</b>	This chemical does not deplete the ozone layer.

**13. DISPOSAL CONSIDERATIONS**

	<p><b>IMPORTANT!</b></p> <p>Prevent waste generation. Use in full. Residue can be reprocessed (recycled) where there is a recovery program. Observe all federal, state/provincial and municipal regulations. If necessary consult the Department of Environment or the relevant authorities.</p>
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**14. TRANSPORT INFORMATION**

<b>UN Number</b>	UN N/A
<b>UN Proper Shipping Name</b>	Not regulated by TDG (Canada) and 49 CFR DOT (USA).
<b>Environmental hazards</b>	This material does not contain marine pollutant.
<b>Special precautions for user</b>	No information available.
<b>TDG - Transportation of Dangerous Goods (Canada)</b>	
<b>Transport hazard class(es)</b>	Not regulated
<b>Packing group</b>	Not regulated
<b>Emergency response guidebook 2016</b>	
<b>IMO/IMDG - International Maritime Transport</b>	
<b>Classification</b>	Not regulated
<b>IATA - International Air Transport Association</b>	
<b>Classification</b>	Not regulated

These transportation classifications are provided as a customer service. As the shipper YOU remain responsible for complying with all applicable laws and regulations, including proper transportation classification and packaging. In addition, if a domestic exemption exists, it is the responsibility of the shipper to define the application of it.

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**15. REGULATORY INFORMATION**

**CANADA**

Common name	CAS	CEPA	DSL	NDSL	NPRI
Glass, oxide, chemicals	65997-17-3		✓		
Polymerized Epoxy Resin	Polymer Epoxy		✓		
Phenol, isopropylate, phosphate (3:1)	68937-41-7		✓		
Carbon black	1333-86-4		✓		

- CEPA: List of Toxic Substances Managed Under Canadian Environmental Protection Act
- DSL: Domestic Substances List Inventory
- NDSL: Non-Domestic Substances List Inventory
- NPRI: National Pollutant Release Inventory Substances

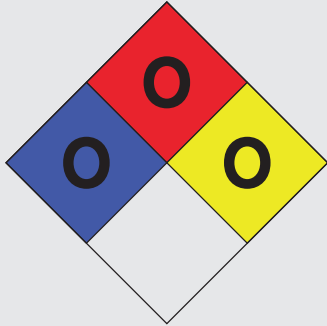
**UNITED STATES OF AMERICA**

Common name	CAS	TSCA	CER CLA	EPCRA 313	EPCRA 302/304	CAA 112(b) HON	CAA 112(b) HAP	CAA 112(r)	CWA 311	CWA Prio.
Glass, oxide, chemicals	65997-17-3	✓								
Polymerized Epoxy Resin	Polymer Epoxy	✓								
Phenol, isopropylate, phosphate (3:1)	68937-41-7	✓								
Noir de carbone	1333-86-4	✓								

- TSCA : Toxic Substance Control Act
- CERCLA: Comprehensive Environmental Response, Compensation, and Liability Act list of hazardous substances
- EPCRA 313: Emergency Planning and Community Right-to-Know Act, Section 313 Toxic Chemicals
- EPCRA 302/304: Emergency Planning and Community Right-to-Know Act, Section 302/304 Extremely Hazardous Substances
- CAA 112(b) HON: Clean Air Act - Hazardous Organic National Emission Standard for Hazardous Air Pollutant
- CAA 112(b) HAP: Clean Air Act - Hazardous Air Pollutants lists pollutants
- CAA 112(r): Clean Air Act - Regulated Chemicals for Accidental Release Prevention
- CWA 311: Clean Water Act - List of Hazardous Substances
- CWA Priority: Clean Water Act - Priority Pollutant list

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**CALIFORNIA PROPOSITION 65**

Common name	CAS	Cancer	Reproductive and Developmental Toxicity				
Carbon black	1333-86-4	✓					
Other regulations	<p>State of California EPA (OEHHA): Carbon black (airborne, unbound particles of respirable size) is listed as a cancer causing agent (through inhalation), under California Safe Drinking Water and Toxic Enforcement Act (California proposition 65). This product does not present such risk as the composition percentage is minimal and is completely bound to other material (thermosetted resin).</p> <div style="display: flex; justify-content: space-around;"> <div style="text-align: center;"> <p><b>HMIS</b></p> <table border="1"> <tr><td><input type="radio"/> Health</td></tr> <tr><td><input type="radio"/> Flammability</td></tr> <tr><td><input type="radio"/> Reactivity</td></tr> <tr><td><input type="radio"/> Protective Equipment</td></tr> </table> </div> <div style="text-align: center;"> <p><b>NFPA</b></p>  </div> </div>			<input type="radio"/> Health	<input type="radio"/> Flammability	<input type="radio"/> Reactivity	<input type="radio"/> Protective Equipment
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<input type="radio"/> Flammability							
<input type="radio"/> Reactivity							
<input type="radio"/> Protective Equipment							

**16. OTHER INFORMATION**

Date (YYYY-MM-DD)	FRE COMPOSITES INC. 2022-00-00																
Version	01																
Other information	<p>REFERENCES:</p> <ul style="list-style-type: none"> <li>- Haz-Map, Information on Hazardous Chemicals and Occupational Diseases, <a href="http://hazmap.nlm.nih.gov/index.php">http://hazmap.nlm.nih.gov/index.php</a></li> <li>- Service du répertoire toxicologique de la Commission des normes, de l'équité, de la santé et de la sécurité du travail (CNESST), <a href="http://www.reptox.csst.qc.ca">http://www.reptox.csst.qc.ca</a></li> </ul> <table style="width: 100%; border: none;"> <tr> <td style="width: 50%;">ACGIH: American Conference of Governmental Industrial Hygienists</td> <td style="width: 50%;">RSST: Règlement sur la santé et la sécurité du travail (Québec)</td> </tr> <tr> <td>AIHA: American Industrial Hygiene Association</td> <td>GHS: Globally Harmonized System</td> </tr> <tr> <td>HMIS: Hazardous Materials Identification System</td> <td>IARC: International Agency for Research on Cancer</td> </tr> <tr> <td>NFPA: National Fire Protection Association</td> <td>IDLH: Immediately Dangerous to Life or Health</td> </tr> <tr> <td>OSHA: Occupational Safety and Health Administration (USA)</td> <td>STEL: Short Term Exposure Limit (15 min)</td> </tr> <tr> <td>NIOSH: National Institute for Occupational Safety and Health</td> <td>TWA: Time Weighted Averages</td> </tr> <tr> <td>NTP: National Toxicology Program</td> <td>WHMIS: Workplace Hazardous Materials Information System</td> </tr> </table> <p>Ao the best of our knowledge, the information contained herein is accurate. However, neither Preventis System nor any of its subsidiaries assumes any liability whatsoever for the accuracy or completeness of the information contained herein. Final determination of suitability of any material is the sole responsibility of the user. All materials may present unknown hazards and should be used with caution. Although certain hazards are described herein, we cannot guarantee that these are the only hazards that exist.</p>			ACGIH: American Conference of Governmental Industrial Hygienists	RSST: Règlement sur la santé et la sécurité du travail (Québec)	AIHA: American Industrial Hygiene Association	GHS: Globally Harmonized System	HMIS: Hazardous Materials Identification System	IARC: International Agency for Research on Cancer	NFPA: National Fire Protection Association	IDLH: Immediately Dangerous to Life or Health	OSHA: Occupational Safety and Health Administration (USA)	STEL: Short Term Exposure Limit (15 min)	NIOSH: National Institute for Occupational Safety and Health	TWA: Time Weighted Averages	NTP: National Toxicology Program	WHMIS: Workplace Hazardous Materials Information System
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