

Preparation Date: --

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Version: 5

## 1. PRODUCT AND COMPANY IDENTIFICATION

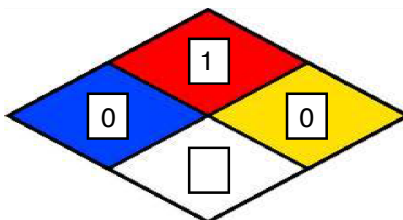
<b>Product Name</b>	PHENO SEAL
<b>Recommended Use</b>	Loss circulation material
<b>Producer</b>	FORTA Corporation 100 Forta Drive Grove City, PA 16127 Phone: 1-800-245-0306
<b>Emergency Number</b>	Phone: 1-800-245-0306 Fax: 724-458-5221

## 2. HAZARDS IDENTIFICATION

<b>Route of Entry</b>	Dust particles.
<b>Inhalation</b>	Dust may cause mechanical irritation of the respiratory tract, characterized by burning, sneezing and coughing. Prolonged or repeated inhalation of dust may lead to chronic respiratory irritation.
<b>Skin Contact</b>	Dust may cause mechanical irritation. Skin inflammation is characterized by itching, scaling, reddening.
<b>Eye Contact</b>	Dust may cause mechanical irritation to the eyes.
<b>Ingestion</b>	Not an expected route of entry.

HMIS (United States)	
Health	0
Flammability	1
Reactivity	0
PPE	B

NFPA (United States)



WHMIS (Canada)

Not classified as hazardous.

## 3. COMPOSITION / INFORMATION ON INGREDIENTS

Name	CAS#	% by Weight
Cellulose	9004-34-6	25-85
Formaldehyde Resin	N/A	10-50
Polyester Resin	N/A	0-15

#### 4. FIRST AID MEASURES

<b>Inhalation</b>	Allow the victim to rest in a well-ventilated area. Oxygen may be administered if breathing is difficult. If irritations persist, seek medical attention.
<b>Skin Contact</b>	Wash contaminated area with soap and water. If irritation occurs, seek medical attention.
<b>Eye Contact</b>	Dust particles: In case of contact with eyes, rinse immediately with plenty of water. If irritation persists, seek medical attention.
<b>Ingestion</b>	Not an expected route of entry.

#### 5. FIRE-FIGHTING MEASURES

<b>Flash Point</b>	N/A
<b>Flash Point Method</b>	N/A
<b>Autoignition Temperature</b>	N/A
<b>Burning Rate</b>	N/A
<b>Fire and Explosion Hazard</b>	None
<b>Firefighting Equipment</b>	Use dry chemicals, carbon dioxide (CO <sub>2</sub> ), water spray or foam; do not use water jet.
<b>Hazardous Products of Combustion</b>	Carbon oxides (CO and CO <sub>2</sub> ).

#### 6. ACCIDENTAL RELEASE MEASURES

<b>Small Spill or Leak</b>	N/A
<b>Large Spill or Leak</b>	N/A Dust deposits should not be allowed to accumulate on surfaces, as these may form an explosive mixture if they are released into the atmosphere in sufficient concentration.

#### 7. HANDLING AND STORAGE

<b>Handling Precautions</b>	If user's operations generate dust, use ventilation to keep exposure to airborne contaminants below the exposure limit, avoid contact with eyes and skin. Nuisance dust: TLV/PEL: 3mg/m <sup>3</sup> (ACGIH) 10mg/m <sup>3</sup> (ACGIH).
<b>Storage Requirements</b>	No specific storage is required, use any dry container.

#### 8. EXPOSURE CONTROLS / PERSONAL PROTECTION

<b>Engineering Controls</b>	No specific ventilation requirements for product as sold. Provide adequate ventilation to meet exposure guidelines if operations generate dust or fines. It is recommended that all dust control equipment such as local exhaust ventilation and material transport systems involved in handling the dust particles of this
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product contain explosion relief vents or an explosion suppression system or an oxygen-deficient environment. Ensure that dust handling systems are designed in a manner to prevent the escape of dust into the work area.

**Protective Equipment**

Respirators – No specific recommendations. Respiratory protection must be used if the OSHA Permissible Exposure Limit for laminated dust (PNOR-Particulates Not Otherwise Regulated) is exceeded.  
 Protective Gloves – Gloves suitable for the protection against cuts and abrasions from sharp edges are recommended.  
 Eye Protection – Glasses or goggles.  
 Protective Clothing – Cover as much of the exposed skin as possible with appropriate clothing.

**Exposure Guidelines/Other**

Product Name Exposure limits  
 Laminated Dust (Particulate Not Otherwise Regulated- PNOR)  
 OSHA PEL TWA 5mg/m<sup>3</sup> (Respirable) TWA 15mg/m<sup>3</sup> (total)  
 ACGIH TLV: TWA 3mg/m<sup>3</sup> (Respirable) TWA 10mg/m<sup>3</sup> (total)  
 Consult local authorities and regulations for exposure limits.

## 9. PHYSICAL AND CHEMICAL PROPERTIES

<b>Appearance</b>	Solid particles – color varies – taste phenolic
<b>Physical State</b>	Solid
<b>Boiling Point</b>	N/A
<b>Odor</b>	Slight
<b>Freezing/Melting Point</b>	N/A
<b>pH</b>	N/A
<b>Solubility</b>	Insoluble in water, methanol, diethyl ether, n-octanol, acetone.
<b>Specific Gravity</b>	1.3

## 10. STABILITY AND REACTIVITY

<b>Stability</b>	This product is stable.
<b>Conditions to Avoid</b>	None
<b>Materials to Avoid (incompatibility)</b>	None
<b>Hazardous Decomposition Products</b>	Carbon oxides (CO, CO <sub>2</sub> )
<b>Hazardous Polymerization</b>	Will not polymerize.

## 11. TOXICOLOGICAL INFORMATION

<b>Toxicity to Animals</b>	This product has not been tested for animal effects. This product is not expected to be toxic to animals.
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**Toxicity to Humans** This product has not been tested for human effects. This product is not expected to be toxic to humans.

## 12. ECOTOXICOLOGICAL INFORMATION

**Ecotoxicity** Not expected to be ecotoxic.

**BOD5 and COD** N/A

**Biodegradable/OECD** N/A

**Mobility** N/A

**Toxicity of the Products of Biodegradation** N/A

**Special Remarks on the Products of Biodegradation** N/A

## 13. DISPOSAL CONSIDERATIONS

Not classified as hazardous waste. Dispose of in accordance with Federal, State and Local regulations.

## 14. TRANSPORT INFORMATION

**Restrictions** N/A

**DOT Requirements** Not a DOT controlled material (USA).

**ADR Requirements** Not an ADR controlled material (Europe).

**IMDG Requirements** Not an IMDG controlled material.

**IATA Requirements** Not an IATA controlled material.

**Marine Pollutant** Not a marine pollutant.

## 15. REGULATORY INFORMATION

### U.S. Federal Regulations

Chemical ( & CAS Number)	SARA 302 (EHS) Rq	SARA 304 (EHS) Rq	SARA 313 de minimis	CERCLA Rq	CAA 112(r) TQ	RCRA Code
NONE						

All quantities in pounds

### State Regulations

Chemical ( & CAS Number)	CA Prop 65	MA RTK	MN RTK	NJ RTK	PA RTK RI RTK
NONE	X			x	

**Warning:** This product contains a chemical known in the State of California to cause cancer. Formaldehyde (CAS 50-00-0) in trace amounts.

### International Regulations

**DSL (Canada)** None

<b>EINECS</b>	None
<b>WHMIS</b>	Not classified as hazardous.
<b>HTS/Schedule B</b>	3921.90.50.10

## 16. OTHER INFORMATION

<b>Prepared By</b>	FORTA Corporation
<b>Telephone</b>	1-800-245-0306
<b>Website</b>	<a href="http://www.Super-Sweep.com">www.Super-Sweep.com</a>

The information and recommendations contained in this Material Safety Data sheet have been compiled from sources believed to be reliable and to represent the most reasonable current opinion on the subject when the MSDS was prepared. No warranty, guarantee or representation is made as to the correctness or sufficiency of the information. The user of this product must decide what safety measures are necessary to safely use this product, either alone or in combination with other products, and determine its environmental regulatory compliance obligations under any applicable federal or state laws.