1. Product and Company Identification

Product Code: 630/633-CLEAR
Product Name: 630/633 Epoxy Novolac Coating- Part A (Clear)
Trade Name: Epoxy.com 630/633 Epoxy Novolac Coating- Part A (Clear)

Manufacturer Information
Company Name: Epoxy Systems, Inc
20774 W. Pennsylvania Ave.
Dunnellon, FL 34431
Phone Number: 352-489-1666
Emergency Contact: PERS (USA) (800)633-8253
Alternate Emergency Contact: PERS (International) 801-629-0667

Intended Use: Industrial floor coatings.

2. Hazards Identification

GHS Classification
Skin Corrosion/Irritation, Category 2
Serious Eye Damage/Eye Irritation, Category 2B
Skin Sensitization, Category 1B

Placard
Exclamation point

Key word
Warning
Warning
Warning

GHS hazard phrase
Causes skin irritation
Causes eye irritation
May cause an allergic skin reaction

GHS Hazard Phrases
H315 - Causes skin irritation. H320 - Causes eye irritation.
H335 - May cause respiratory irritation.
H303 - May be harmful if swallowed.

GHS Precaution Phrases
P280 - Wear protective gloves/protective clothing/eye protection.
P261 - Avoid breathing mist/vapours. P264 - Wash hands thoroughly after handling.

GHS Response Phrases
P302+352 - IF ON SKIN: Wash with plenty of soap and water. P332+313 - If skin irritation occurs, get medical advice/attention.
P362 - Take off contaminated clothing.
P305+351+338 - IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.
P337+313 - If eye irritation persists, get medical advice/attention.
P304+340 - IF INHALED: Remove victim to fresh air and keep at rest in a position comfortable for breathing. P301+330+331 - IF SWALLOWED: Rinse mouth. Do NOT induce vomiting.
P312 - Call a POISON CENTER or doctor/physician if you feel unwell.

GHS Storage and Disposal Phrases
P403+235 - Store in cool/well-ventilated place. P404 - Store in a closed container.

Potential Health Effects (Acute and Chronic)
Causes skin and eye irritation. May cause skin sensitization, an allergic reaction, which becomes evident on reexposure to this material.
Inhalation
May cause respiratory irritation.

Skin Contact
Causes skin irritation. May cause an allergic skin reaction.

Eye Contact
May cause eye irritation.

Ingestion
May be harmful if swallowed.

Recommended Exposure Limits
Not established.

Medical Conditions Generally Aggravated By Exposure
May cause rash on skin, and redness in eyes. May cause coughing by inhalation of a mist or spray.

OSHA Regulatory Status:
This material is classified as hazardous under OSHA regulations.

### 3. Composition/Information on Ingredients

<table>
<thead>
<tr>
<th>Hazardous Components (Chemical Name)</th>
<th>CAS #</th>
<th>Concentration</th>
</tr>
</thead>
<tbody>
<tr>
<td>1. Phenol-Formaldehyde Polymer</td>
<td>28064-14-4</td>
<td>80 - 100 %</td>
</tr>
<tr>
<td>2. Benzenemethanol</td>
<td>100-51-6</td>
<td>1.0 - 10 %</td>
</tr>
<tr>
<td>3. Phenol, 4-nonyl-, branched</td>
<td>84852-15-3</td>
<td>1.0 - 8.0 %</td>
</tr>
</tbody>
</table>

### 4. First Aid Measures

#### Emergency and First Aid Procedures

**In Case of Inhalation**
If inhaled, remove to fresh air. If not breathing, give artificial respiration. If breathing is difficult, give oxygen. If experiencing respiratory symptoms: Get medical attention immediately.

**In Case of Skin Contact**
In case of contact, immediately wash skin with soap and copious amounts of water. Remove contaminated clothing and shoes. Get medical attention if irritation develops or persists.

**In Case of Eye Contact**
In case of contact with eyes, flush with copious amounts of water for at least 15 minutes. Assure adequate flushing by separating the eyelids with fingers. Call a physician.

**In Case of Ingestion**
If swallowed, wash out mouth with water provided person is conscious. Call a physician immediately. Do not induce vomiting. For further assistance, contact your local Poison Control Center.

**Signs and Symptoms Of Exposure**
Moderate irritation effect.

### 5. Fire Fighting Measures

**Flash Pt:** > 200.00 F
**Method Used:** Pensky-Marten Closed Cup

**Explosive Limits:**
**LEL:** NE
**UEL:** NE

**Autoignition Pt:**
No data available.

**Fire Fighting Instructions**
Protective Equipment: Wear self-contained breathing apparatus and protective clothing to prevent contact with skin and eyes.

**Flammable Properties and Hazards**
Product is not considered a fire hazard. Closed containers may rupture (due to build up in pressure) when exposed to extreme heat.
Hazardous Combustion Products
In a fire, product may produce the following: Carbon monoxide, Carbon dioxide, Phenolics.

Suitable Extinguishing Media
Dry chemical, CO2, water spray or regular foam.

Unsuitable Extinguishing Media
Do not use a direct water stream, which may spread fire.

6. Accidental Release Measures

Steps To Be Taken In Case Material Is Released Or Spilled
PROCEDURE TO BE FOLLOWED IN CASE OF LEAK OR SPILL.
Absorb with sand or vermiculite and place in closed containers for disposal. Ventilate the area.

Protective Precautions, Protective Equipment and Emergency Procedures
Wear respirator, chemical safety goggles, rubber boots, and heavy rubber gloves. Where splashing is possible, full chemically resistant protective clothing, and boots are required.

Environmental Precautions
Prevent entry into waterways, sewers, basements or confined areas.

7. Handling and Storage

Hazard Label Information:
Avoid contact with skin and eyes. Do not get on skin and clothing. Avoid inhalation of vapor or mist.
Store in a closed container.

Precautions To Be Taken in Handling
Provide adequate ventilation. Do not breathe vapor. Do not get in eyes, on skin or on clothing.

Precautions To Be Taken in Storing
Keep container tightly closed in a dry and well-ventilated place.

Other Precautions
Wash thoroughly after handling.

8. Exposure Controls/Personal Protection

<table>
<thead>
<tr>
<th>Hazardous Components (Chemical Name)</th>
<th>CAS #</th>
<th>OSHA PEL</th>
<th>ACGIH TLV</th>
<th>Other Limits</th>
</tr>
</thead>
<tbody>
<tr>
<td>1. Phenol-Formaldehyde Polymer</td>
<td>28064-14-4</td>
<td>No data.</td>
<td>No data.</td>
<td>No data.</td>
</tr>
<tr>
<td>2. Benzenemethanol</td>
<td>100-51-6</td>
<td>No data.</td>
<td>No data.</td>
<td>No data.</td>
</tr>
</tbody>
</table>

Protective Equipment Summary - Hazard Label Information:
Neoprene gloves  Safety glasses, or goggles. Impervious clothing.  Chemical resistant boots

Respiratory Equipment (Specify Type)
Normally when good engineering controls are used, no respiratory protection is needed. However, if cured product is abraded by sanding or grinding use a NIOSH approved air-purifying respirator. Where risk assessment shows air-purifying respirators are appropriate use a dust mask type N95 (US) or type P1 (EN 143) respirator. A NIOSH/MSHA approved air purifying respirator with an organic vapor cartridge or canister may be permissible under certain circumstances where airborne concentrations are expected to exceed exposure limits. Protection provided by air purifying respirators is limited. Use a positive pressure air supplied respirator if there is any potential for an uncontrolled release, exposure levels are not known, or any other circumstances where air purifying respirators may not provide adequate protection.

Eye Protection
Safety glasses, or goggles.

Protective Gloves
Nitrile rubber and Neoprene are recommended.
Other Protective Clothing
Where splashing is possible, full chemically resistant protective clothing, safety glasses or face shield and boots are required.

Engineering Controls (Ventilation etc.)
Good general ventilation should be sufficient to control airborne levels. Safety shower and eye bath.

Work/Hygienic/Maintenance Practices
Wash contaminated clothing before reuse. Discard contaminated shoes. Wash thoroughly after handling.

Environmental Exposure Controls
Avoid runoff into storm sewers and ditches which lead to waterways.

### 9. Physical and Chemical Properties

<table>
<thead>
<tr>
<th>Physical States:</th>
<th>[ ] Gas</th>
<th>[ ] Liquid</th>
<th>[ ] Solid</th>
</tr>
</thead>
<tbody>
<tr>
<td>Melting Point:</td>
<td>NE</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Boiling Point:</td>
<td>NE</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Decomposition Temperature:</td>
<td>NE</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Autoignition Pt:</td>
<td>No data.</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Flash Pt:</td>
<td>&gt; 200.00 F</td>
<td>Method Used: Pensky-Marten Closed Cup</td>
<td></td>
</tr>
<tr>
<td>Explosive Limits:</td>
<td>LEL: NE</td>
<td>UEL: NE</td>
<td></td>
</tr>
<tr>
<td>Specific Gravity (Water = 1):</td>
<td>~ 1.167</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Density:</td>
<td>~ 9.73 LB/GL</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Vapor Pressure (vs. Air or mm Hg):</td>
<td>NE</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Vapor Density (vs. Air = 1):</td>
<td>NE</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Evaporation Rate:</td>
<td>NE</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Solubility in Water:</td>
<td>NP</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Percent Volatile:</td>
<td>0.0 % by volume.</td>
<td></td>
<td></td>
</tr>
<tr>
<td>VOC / Volume:</td>
<td>NP</td>
<td></td>
<td></td>
</tr>
<tr>
<td>HAP / Volume:</td>
<td>NP</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Saturated Vapor Concentration:</td>
<td>NE</td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

**Appearance and Odor**
- Slight odor.

### 10. Stability and Reactivity

**Stability:**
- Unstable [ ]
- Stable [ X ]

**Reactivity**
- Avoid: acids, alkalis, oxidizing agents.

**Conditions To Avoid - Instability**
- Extreme temperatures.

**Incompatibility - Materials To Avoid**
- Avoid strong acids, bases, and oxidizing agents. Avoid contact with amines.

**Hazardous Decomposition Or Byproducts**
- Thermal decomposition may produce smoke, carbon monoxide, carbon dioxide, and phenolics.

**Possibility of Hazardous Polymerization:**
- Will occur [ ]
- Will not occur [ X ]

**Conditions To Avoid - Hazardous Reactions**
- Will not undergo hazardous polymerization in normal storage conditions.
11. Toxicological Information

Toxicological Information

Skin sensitization.

Chronic Toxicological Effects

May cause sensitization by skin contact.

Irritation or Corrosion

Skin Irritation. Irritating to eyes.

Symptoms related to Toxicological Characteristics

May cause redness, rash on skin. May cause slight skin irritation or skin sensitization. May be slightly irritating to eyes and respiratory system.

<table>
<thead>
<tr>
<th>Hazardous Components (Chemical Name)</th>
<th>CAS #</th>
<th>NTP</th>
<th>IARC</th>
<th>ACGIH</th>
<th>OSHA</th>
</tr>
</thead>
<tbody>
<tr>
<td>Phenol-Formaldehyde Polymer</td>
<td>28064-14-4</td>
<td>n.a.</td>
<td>n.a.</td>
<td>n.a.</td>
<td>n.a.</td>
</tr>
<tr>
<td>Benzenemethanol</td>
<td>100-51-6</td>
<td>n.a.</td>
<td>n.a.</td>
<td>n.a.</td>
<td>n.a.</td>
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<td>Phenol, 4-nonyl-, branched</td>
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<td>n.a.</td>
<td>n.a.</td>
<td>n.a.</td>
<td>n.a.</td>
</tr>
</tbody>
</table>

12. Ecological Information

General Ecological Information

Avoid release to the environment. May be hazardous to the environment if released in large quantities.

Results of PBT and vPvB assessment

No data available.

Persistence and Degradability

Not readily biodegradable.

Bioaccumulative Potential

No data available.

Mobility in Soil

not reported, unknown.

13. Disposal Considerations

Waste Disposal Method

Incinerate or dispose of unused material, residues and containers in a licensed facility in accordance with all applicable local, state and federal regulations. Do not discharge substance/product into sewage system.

14. Transport Information

LAND TRANSPORT (US DOT)

DOT Proper Shipping Name
(Non-Bulk)
Not Regulated.

(Bulk)
Environmentally hazardous substance, liquid, n.o.s. (EPOXY NOVOLAC RESIN)

NOTE: Marine Pollutants - DOT requirements specific to Marine Pollutants do not apply to non-bulk packagings transported by motor vehicles, rail cars or aircraft.

DOT Hazard Class: 9
DOT Hazard Label: CLASS 9
UN/NA Number: UN3082
Packing Group: III
AIR TRANSPORT (ICAO/IATA)
ICAO/IATA Shipping Name (Non-Bulk)
Not Regulated.
(Bulk)
Environmentally hazardous substance, liquid, n.o.s. (EPOXY NOVOLAC RESIN) MARINE POLLUTANT.

NOTE: Marine Pollutants - DOT requirements specific to Marine Pollutants do not apply to non-bulk packagings transported by motor vehicles, rail cars or aircraft.

UN Number: 3082
Hazard Class: 9 - CLASS 9
Packing Group: III

MARINE TRANSPORT (IMDG/IMO)
IMDG/IMO Shipping Name Environmentally hazardous substance, liquid, n.o.s. (EPOXY NOVOLAC RESIN) MARINE POLLUTANT.
UN Number: 3082
Hazard Class: 9 - CLASS 9
Packing Group: III
IMDG EMS Number: FA,SF
Marine Pollutant: Yes

15. Regulatory Information

US EPA SARA Title III
Hazardous Components (Chemical Name) CAS # Sec.302 (EHS) Sec.304 RQ Sec.313 (TRI) Sec.110
1. Phenol-Formaldehyde Polymer 28064-14-4 No No No No
2. Benzenemethanol 100-51-6 No No No No
3. Phenol, 4-nonyl-, branched 84852-15-3 No No No No

Regulatory Information
SARA Section 311/312: Acute Health Hazard.

16. Other Information
CA=CIRCA NA=NOT AVAILABLE NE=NOT ESTABLISHED NR=NOT REGULATED NP= NOT APPLICABLE PR=PROPRIETARY TS=TRADE SECRET ?=UNKNOWN.

Company Policy or Disclaimer
The information contained in this MSDS is taken from sources believed to be accurate as of the date hereof; however Epoxy Systems, Inc. makes no expressed or implied warranty in respect to the accuracy of the information or the suitability of the recommendations, and assumes no liabilities to any user thereof.

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