

Date 12/08/2014

1. Identification of substance· **Product details**· **Trade name:** EM 5-2 - A Component· **Manufacturer/Supplier:**

Pilgrim Permocoat, Inc.
 402 South 22nd Street
 Tampa, FL 33605

Tel: (800) 637-3328

Fax: (813) 248-1076

· **Information department:** Environmental, Health, and Safety department.**2. Composition/Data on components**· **Chemical characterization**· **Description:** Mixture of the substances listed below with nonhazardous additions.· **Dangerous components:**

25068-38-6	reaction product: bisphenol-A-(epichlorhydrin) epoxy resin (number average molecular weight = 700)	100%

· **Additional information:** For the wording of the listed risk phrases refer to section 16.**3. Hazards identification**· **Hazard description:** May cause eye and skin irritation. Prolonged contact may cause sensitization.· **Information pertaining to particular dangers for man and environment:**

The product has to be labeled due to internationally acknowledged calculation procedures using the latest valid versions.

· **Classification system:**

The classification was made according to the latest editions of international substances lists, and expanded upon from company and literature data.

· **NFPA ratings (scale 0 - 4)**

Health = 1

Fire = 1

Reactivity = 0

· **HMIS-ratings (scale 0 - 4)**

HEALTH	1
FIRE	1
PHYSICAL HAZARD	0

Health = 1

Fire = 1

Reactivity = 0

4. First aid measures· **After inhalation:**

Supply fresh air and to be sure call for a doctor.

In case of unconsciousness place patient stably in side position for transportation.

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- **After skin contact:**
Immediately wash with water and soap and rinse thoroughly.
If skin irritation continues, consult a doctor.
- **After eye contact:** Rinse opened eye for several minutes under running water. Then consult a doctor.
- **After swallowing:**
Seek immediate medical advice.
Seek medical treatment.

5. Fire fighting measures

- **Suitable extinguishing agents:**
CO₂, extinguishing powder or water spray. Fight larger fires with water spray or alcohol resistant foam.
- **Protective equipment:**
Because fire may produce thermal decomposition products, wear a self-contained breathing apparatus (SCBA) with a full face piece operated in pressure-demand or positive-pressure mode.

6. Accidental release measures

- **Person-related safety precautions:** Wear protective equipment. Keep unprotected persons away.
- **Measures for environmental protection:**
Inform respective authorities in case of seepage into water course or sewage system.
- **Measures for cleaning/collecting:**
Absorb with liquid-binding material (sand, diatomite, acid binders, universal binders, sawdust). Ensure adequate ventilation.

7. Handling and storage

- **Handling:**
- **Information for safe handling:**
Wear appropriate personal protective clothing to prevent eye and skin contact. Avoid breathing vapors or mists of this product. Use with adequate ventilation. Do not take internally.
- **Information about protection against explosions and fires:** No special measures required.
- **Storage:**
- **Requirements to be met by storerooms and receptacles:** Store in a cool dry location.
- **Information about storage in one common storage facility:** Store away from incompatible materials.
- **Further information about storage conditions:** Keep receptacle tightly sealed.

8. Exposure controls and personal protection

- **Additional information about design of technical systems:** No further data; see item 7.
- **Components with limit values that require monitoring at the workplace:**

PEL	15*; 5** mg/m ³ *Total dust **Respirable fraction
REL	10*; 5** mg/m ³ *Total dust **Respirable fraction
TLV	10 mg/m ³ (c)

- **Additional information:** The lists that were valid during the creation were used as basis.

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- **Personal protective equipment:**
- **General protective and hygienic measures:**
 Keep away from foodstuffs, beverages and feed. Immediately remove all soiled and contaminated clothing. Wash hands before breaks and at the end of work.
 Avoid contact with the eyes and skin.
- **Breathing equipment:**
 In case of brief exposure or low pollution use respiratory filter device. In case of intensive or longer exposure use respiratory protective device that is independent of circulating air.
- **Protection of hands:**



Protective gloves

The glove material has to be impermeable and resistant to the product/ the substance/ the preparation.

- **Eye protection:** Wear appropriate eye protection to prevent eye contact.

9. Physical and chemical properties

· General Information	
Form:	Liquid
Color:	Clear
Odor:	Mild
· Change in condition	
Melting point/Melting range:	Undetermined.
Boiling point/Boiling range:	Undetermined.
· Flash point:	> 93°C (> 199°F)
· Auto igniting:	Product is not self igniting.
· Danger of explosion:	Product does not present an explosion hazard.
· Density at 20°C (68°F):	1.200 g/cm ³
· Solubility in / Miscibility with	
Water:	Not miscible or difficult to mix.
· Solvent content:	
Organic solvents:	0.0 %
· Solids content:	100.0 %
· Volatile Organic Compounds:	Not determined

10. Stability and reactivity

- **Thermal decomposition / conditions to be avoided:** No decomposition if used according to specifications.
- **Dangerous reactions** Reacts with acids, alkalis and oxidizing agents.
- **Dangerous products of decomposition:** Carbon monoxide and carbon dioxide

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11. Toxicological information

- **Acute toxicity:**
- **Primary irritant effect:**
 - on the skin: May cause skin irritation.
 - on the eye: Irritating effect.
- **Sensitization:** Sensitization possible through skin contact.
- **Additional toxicological information:**
 - The product shows the following dangers according to internally approved calculation methods for preparations: Irritant

12. Ecological information

- **Ecological effects:**
- **Remark:** Toxic for fish
- **General notes:**
 - Water hazard class 1 (Self-assessment): slightly hazardous for water
 - Also poisonous for fish and plankton in water bodies.
 - Toxic for aquatic organisms

13. Disposal considerations

- **Product:**
- **Recommendation:**
 - Must not be disposed of as normal garbage. Do not allow product to reach sewage system.
 - It is the generator's responsibility to determine if the waste meets applicable definitions of hazardous waste. State and local regulations may differ from federal disposal regulations. Dispose of waste material according to local, state, federal, and provincial environmental regulations.
- **Uncleaned packagings:**
- **Recommendation:** Disposal must be made according to Federal, State, and Local regulations.

14. Transport information

- | | |
|---|---|
| · DOT regulations: | Not Regulated |
| · Hazard class: | N/A |
| · Packing group: | III |
| · Remarks: | Add "Marine Pollutant" to end of proper shipping name if shipping in a bulk container (>119 gallons).
Not Regulated for Transport. |
| · Limited Quantity Exemption: | No Limited Quantity exemption applies for this shipping class. |
| · U.S. Domestic Ground Shipments: | Same as listed for Standard Shipments above. |
| · U.S. Domestic Ground Non-Bulk (119 gal or less per container) Shipments: | Same as listed for Standard Shipments above. |
| · Land transport ADR/RID (cross-border): | |
| · ADR/RID class: | N/A |
| · UN-Number: | |
| · Packaging group: | III |
| · Remarks: | Not Regulated for Transport. |

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• Maritime transport IMDG:	
• IMDG Class:	9
• UN Number:	3082
• Packaging group:	III
• Marine pollutant:	Yes
• Proper shipping name:	ENVIRONMENTALLY HAZARDOUS SUBSTANCE, LIQUID, N.O.S. (epoxy resin)
• Air transport ICAO-TI and IATA-DGR:	
• ICAO/IATA Class:	-
• Packaging group:	III

15. Regulations

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• Section 355 (extremely hazardous substances):

None of the ingredient is listed.

Section 313 (Specific toxic chemical listings): This product may contain 1 or more toxic chemicals subject to the reporting requirements of Section 313 of Title III of the Superfund Amendments and Reauthorization Act (SARA) of 1986 and 40 CFR part 372. If so, the chemicals are listed below.

None of the ingredients is listed.

• TSCA (Toxic Substances Control Act):

All ingredients are listed.

• Proposition 65

• Chemicals known to the State of California (Prop. 65) to cause cancer:

25068-38-6 reaction product: bisphenol-A-(epichlorhydrin) epoxy resin (number average molecular weight = 700)

• Chemicals known to cause reproductive toxicity for females:

None of the ingredients is listed.

• Chemicals known to cause reproductive toxicity for males:

None of the ingredients is listed.

• Chemicals known to cause developmental toxicity:

None of the ingredients is listed.

• Cancerogenity categories

None of the ingredients is listed.

• EPA (Environmental Protection Agency)

• IARC (International Agency for Research on Cancer)

14807-96-6 Talc (Mg₃H₂(SiO₃)₄)

3

• NTP (National Toxicology Program)

None of the ingredients is listed.

• TLV (Threshold Limit Value established by ACGIH)

14807-96-6 Talc (Mg₃H₂(SiO₃)₄)

A4

• MAK (German Maximum Workplace Concentration)

None of the ingredients is listed.

• NIOSH-Ca (National Institute for Occupational Safety and Health)

None of the ingredients is listed.

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· OSHA-Ca (Occupational Safety & Health Administration)

None of the ingredients is listed.

· Product related hazard information's:

The product has been classified and marked in accordance with directives on hazardous materials.

· Hazard symbols:

XI Irritant

N Dangerous for the environment

· Hazard-determining components of labelling:

reaction product: bisphenol-A-(epichlorhydrin) epoxy resin (number average molecular weight = 700)

· Risk phrases:

36/38 Irritating to eyes and skin.

43 May cause sensitization by skin contact.

51/53 Toxic to aquatic organisms, may cause long-term adverse effects in the aquatic environment.

· Safety phrases:

23 Do not breathe gas/fumes/vapor/spray (appropriate wording to be specified by the manufacturer).

24/25 Avoid contact with skin and eyes.

26 In case of contact with eyes, rinse immediately with plenty of water and seek medical advice.

28 After contact with skin, wash immediately with plenty of ... (to be specified by the manufacturer).

29 Do not empty into drains.

37/39 Wear suitable gloves and eye/face protection.

46 If swallowed, seek medical advice immediately and show this container or label.

64 If swallowed, rinse mouth with water (only if the person is conscious).

16 Other information

This information is based on our present knowledge. However, this shall not constitute a guarantee for any specific product features and shall not establish a legally valid contractual relationship.

· Department issuing MSDS: Environmental, Health & Safety Department**· Contact:** Environmental, Health & Safety Manager