



# Material Safety Data Sheet

Revision Date: 04-Jan-2008

Revision Number: 1

## 1. PRODUCT AND COMPANY IDENTIFICATION

**Product Name** SUPER SPEC HP CONCRETE PATCH REPAIR KIT PART A (EPOXY CURING AGENT)  
**Product Code** P72A  
**Color** All

**Manufacturer** Benjamin Moore & Co.  
101 Paragon Drive  
Montvale, NJ 07645  
Phone: 201-573-9600  
www.benjaminmoore.com

**Emergency Telephone Number(s)**  
CHEMTREC: 800-424-9300

## 2. COMPOSITION INFORMATION ON COMPONENTS

### Hazardous Components

| Chemical Name            | CAS-No     | Weight % (max) |
|--------------------------|------------|----------------|
| p-tert-Butylphenol       | 98-54-4    | 30             |
| 1,3-Benzenedimethanamine | 1477-55-0  | 20             |
| Nonylphenol              | 25154-52-3 | 5              |

## 3. HAZARDS IDENTIFICATION

### Emergency Overview

#### WARNING

Corrosive. Severe eye irritation. Harmful in contact with skin. May cause sensitization by skin contact. Harmful by inhalation. Harmful if swallowed.

IMPORTANT: Designed to be mixed with other components. Mixture will have hazards of all components.

**Appearance** Amber liquid

**Odor** ammonia-like

### OSHA Regulatory Status

This material is considered hazardous by the OSHA Hazard Communication Standard (29 CFR 1910.1200).

### Potential Health Effects

**Principal Routes of Exposure** Eye contact, skin contact and inhalation.

**Acute Effects**

**Eyes**

Causes burns. Risk of serious damage to eyes.

**Skin**

Causes burns. Irritating to skin. Repeated or prolonged skin contact may cause allergic reactions with susceptible persons.

**Inhalation**

Harmful by inhalation. Irritating to respiratory system. High vapor / aerosol concentrations are irritating to the eyes, nose, throat and lungs and may cause headaches, dizziness, drowsiness, unconsciousness, and other central nervous system effects.

**Ingestion**

Harmful if swallowed. Ingestion causes burns of the upper digestive and respiratory tracts. Ingestion causes severe swelling, severe damage to the delicate tissue and danger of perforation.

**Chronic Effects**

Avoid repeated exposure

See Section 11 for additional Toxicological information.

**Aggravated Medical Conditions** None known

**HMIS**            **Health: 3**            **Flammability: 1**            **Reactivity: 0**            **PPE: -**

**HMIS Legend**

0 - Minimal Hazard

1 - Slight Hazard

2 - Moderate Hazard

3 - Serious Hazard

4 - Severe Hazard

\* - Chronic Hazard

X - Consult your supervisor or S.O.P. for "Special" handling instructions.

*Note: The PPE rating has intentionally been left blank. Choose appropriate PPE that will protect employees from the hazards the material will present under the actual normal conditions of use.*

*Caution: HMIS® ratings are based on a 0-4 rating scale, with 0 representing minimal hazards or risks, and 4 representing significant hazards or risks. Although HMIS® ratings are not required on MSDSs under 29 CFR 1910.1200, Benjamin Moore & Co., has chosen to provide them. HMIS® ratings are to be used only in conjunction with a fully implemented HMIS® program by workers who have received appropriate HMIS® training. HMIS® is a registered trade and service mark of the NPCA. HMIS® materials may be purchased exclusively from J. J. Keller (800) 327-6868.*

## 4. FIRST AID MEASURES

**General Advice**

If symptoms persist, call a physician. Show this safety data sheet to the doctor in attendance.

**Eye Contact**

Immediately flush with plenty of water. After initial flushing, remove any contact lenses and continue flushing for at least 15 minutes. Keep eye wide open while rinsing. If symptoms persist, call a physician.

**Skin Contact**

Wash off immediately with soap and plenty of water removing all contaminated clothes and shoes. If skin irritation persists, call a physician.

**Inhalation**

Move to fresh air. If symptoms persist, call a physician.  
If not breathing, give artificial respiration. Call a physician immediately.

|                                   |   |
|-----------------------------------|---|
| <b>Ingestion</b>                  | Clean mouth with water and afterwards drink plenty of water. Do not induce vomiting without medical advice. Never give anything by mouth to an unconscious person. Consult a physician. |
| <b>Notes To Physician</b>         | Treat symptomatically   |
| <b>Protection Of First-Aiders</b> | Use personal protective equipment   |

## 5. FIRE-FIGHTING MEASURES

|  |  |
|--|--|
| <b>Suitable Extinguishing Media</b>                          | Foam, dry powder or water. Use extinguishing measures that are appropriate to local circumstances and the surrounding environment.     |
| <b>Protective Equipment And Precautions For Firefighters</b> | As in any fire, wear self-contained breathing apparatus pressure-demand, MSHA/NIOSH (approved or equivalent) and full protective gear. |
| <b>Specific Hazards Arising From The Chemical</b>            | Closed containers may rupture if exposed to fire or extreme heat.  |
| <b>Sensitivity To Mechanical Impact</b>                      | No   |
| <b>Sensitivity To Static Discharge</b>                       | No   |
| <b>Flash Point Data</b>                                      |  |
| Flash Point (°F)   | 219  |
| Flash Point (°C)   | 104  |
| Flash Point Method   | PMCC   |
| <b>Flammability Limits In Air</b>                            |  |
| Lower Explosion Limit  | Not available  |
| Upper Explosion Limit  | Not available  |

**NFPA**      **Health:** 3      **Flammability:** 1      **Instability:** 0      **Special:** Not Applicable

### NFPA Legend

- 0 - Not Hazardous
- 1 - Slightly
- 2 - Moderate
- 3 - High
- 4 - Severe

*The ratings assigned by Benjamin Moore & Co. are only suggested ratings, the contractor/employer has ultimate responsibilities for NFPA ratings where this system is used.*

*Additional information regarding the NFPA rating system is available from the National Fire Protection Agency (NFPA) at [www.nfpa.org](http://www.nfpa.org).*

## 6. ACCIDENTAL RELEASE MEASURES

|                             |  |
|-----------------------------|--|
| <b>Personal Precautions</b> | Use personal protective equipment. Avoid contact with skin, eyes and clothing. |
|-----------------------------|--|

|                                  |   |
|----------------------------------|---|
| <b>Environmental Precautions</b> | Prevent further leakage or spillage if safe to do so. Do not allow material to contaminate ground water system. Prevent product from entering drains. Do not flush into surface water or sanitary sewer system. Local authorities should be advised if significant spillages cannot be contained. |
| <b>Methods For Clean-Up</b>      | Dam up. Soak up with inert absorbent material. Pick up and transfer to properly labeled containers. Clean contaminated surface thoroughly.  |
| <b>Other Information</b>         | None known  |

## 7. HANDLING AND STORAGE

|                 |   |
|-----------------|---|
| <b>Handling</b> | Use only in area provided with appropriate exhaust ventilation. Do not breathe vapors or spray mist. Wear personal protective equipment. Take precautionary measures against static discharges. To avoid ignition of vapors by static electricity discharge, all metal parts of the equipment must be grounded. Keep away from open flames, hot surfaces and sources of ignition. |
| <b>Storage</b>  | Keep containers tightly closed in a dry, cool and well-ventilated place. Keep away from heat. Keep in properly labeled containers.  |

## 8. EXPOSURE CONTROLS AND PERSONAL PROTECTION

### Exposure Limits

#### Hazardous Components

| Chemical Name            | ACGIH  | OSHA |
|--------------------------|--|------|
| p-tert-Butylphenol       | N/E  | N/E  |
| 1,3-Benzenedimethanamine | 0.1 mg/m <sup>3</sup><br>Can be absorbed through the skin. | N/E  |
| Nonylphenol              | N/E  | N/E  |

#### Legend

ACGIH - American Conference of Governmental Industrial Hygienists Exposure Limits  
OSHA - Occupational Safety & Health Administration Exposure Limits  
N/E - Not Established

**Engineering Measures**                      Ensure adequate ventilation, especially in confined areas.

#### Personal Protective Equipment

**Eye/Face Protection**                      Safety glasses with side-shields. If splashes are likely to occur, wear:.. Tightly fitting safety goggles.

**Skin Protection**                              Impervious clothing. Protective gloves.

**Respiratory Protection**                      In case of insufficient ventilation wear suitable respiratory equipment.  
When spraying the product or applying in confined areas, wear a NIOSH approved respirator specified for paint spray or organic vapors.

**Hygiene Measures**                              Avoid contact with skin, eyes and clothing. Remove and wash contaminated clothing before re-use. Wash thoroughly after handling. When using do not eat, drink or smoke.

## 9. PHYSICAL AND CHEMICAL PROPERTIES

|                                |               |
|--------------------------------|---------------|
| <b>Appearance</b>              | Amber liquid  |
| <b>Odor</b>                    | ammonia-like  |
| <b>Density (lbs/gal)</b>       | 8.592         |
| <b>Specific Gravity</b>        | 1.031         |
| <b>pH</b>                      | 7.0           |
| <b>Viscosity (centistokes)</b> | Not available |
| <b>Solubility</b>              | Negligible    |
| <b>Evaporation Rate</b>        | 1             |
| <b>Vapor Pressure</b>          | Not available |
| <b>Vapor Density</b>           | 1             |
| <b>Wt. % Solids</b>            | 77.50         |
| <b>Vol. % Solids</b>           | 77.74         |
| <b>Wt. % Volatiles</b>         | 22.50         |
| <b>Vol. % Volatiles</b>        | 22.26         |
| <b>VOC (g/L)</b>               | < 999.0       |
| <b>Boiling Point (°F)</b>      | 401.5         |
| <b>Boiling Point (°C)</b>      | 205.3         |
| <b>Freezing Point (°F)</b>     | 4.64          |
| <b>Freezing Point (°C)</b>     | -15.2         |
| <b>Flash Point (°F)</b>        | 219           |
| <b>Flash Point (°C)</b>        | 104           |
| <b>Flash Point Method</b>      | PMCC          |
| <b>Upper Explosion Limit</b>   | Not available |
| <b>Lower Explosion Limit</b>   | Not available |

## 10. STABILITY AND REACTIVITY

|   |   |
|---|---|
| <b>Chemical Stability</b>                 | Stable under normal conditions. Hazardous polymerisation does not occur.  |
| <b>Conditions To Avoid</b>                | Prevent from freezing, prolonged storage at elevated temperatures.        |
| <b>Incompatible Materials</b>             | Incompatible with strong acids and bases and strong oxidizing agents.     |
| <b>Hazardous Decomposition Products</b>   | Thermal decomposition can lead to release of irritating gases and vapors. |
| <b>Possibility Of Hazardous Reactions</b> | None under normal conditions of use.                                      |

## 11. TOXICOLOGICAL INFORMATION

### Acute Toxicity

#### **Product**

Repeated or prolonged exposure to organic solvents may lead to permanent brain and nervous system damage. Intentional misuse by deliberately concentrating and inhaling vapors may be harmful or fatal.

**Sensitization:**

May cause sensitization by skin contact.

**Component**

p-tert-Butylphenol

LD50 Oral: 3.250 ml/kg

LD50 Dermal: 2.520 mL/kg (Rabbit)

1,3-Benzenedimethanamine

LD50 Oral: 930 mg/kg (Rat)

LD50 Dermal: 2000 mg/kg (Rabbit)

LC50 Inhalation (Vapor): 700 ppm (Rat)

Nonylphenol

LD50 Oral: 580 mg/kg (Rat)

LD50 Dermal: 2140 mg/kg (Rabbit)

**Chronic Toxicity**

**Carcinogenicity**

There are no known carcinogenic chemicals in this product above reportable levels.

## 12. ECOLOGICAL INFORMATION

**Ecotoxicity Effects**

**Product**

Acute Toxicity to Fish

No information available

Acute Toxicity to Aquatic Invertebrates

No information available

Acute Toxicity to Aquatic Plants

No information available

**Component**

Acute Toxicity to Fish

No information available

Acute Toxicity to Aquatic Invertebrates

No information available

Acute Toxicity to Aquatic Plants

No information available

### 13. DISPOSAL CONSIDERATIONS

**Waste Disposal Method** Dispose of in accordance with federal, state, and local regulations. Dry, empty containers may be recycled in a can recycling program. Local requirements may vary, consult your sanitation department or state-designated environmental protection agency for more disposal options.

### 14. TRANSPORT INFORMATION

**DOT**

|                             |   |
|-----------------------------|---|
| <b>Proper Shipping Name</b> | Amines or polyamines, liquid, corrosive, n.o.s                                |
| <b>Hazard Class</b>         | 8   |
| <b>UN-No</b>                | UN2735  |
| <b>Packing Group</b>        | III   |
| <b>Description</b>          | Amines, liquid, corrosive, n.o.s. (Benzene-1,3-dimethanamine),8,UN2735,PG III |

**ICAO / IATA** Contact Benjamin Moore & Co. for further information.

**IMDG / IMO** Contact Benjamin Moore & Co. for further information.

### 15. REGULATORY INFORMATION

#### International Inventories

**United States TSCA** Yes - All components are listed or exempt.  
**Canada DSL** Yes - All components are listed or exempt.

#### Federal Regulations

##### SARA 311/312 hazardous categorization

|                                   |     |
|-----------------------------------|-----|
| Acute Health Hazard               | Yes |
| Chronic Health Hazard             | Yes |
| Fire Hazard                       | No  |
| Sudden Release of Pressure Hazard | No  |
| Reactive Hazard                   | No  |

##### SARA 313

Section 313 of Title III of the Superfund Amendments and Reauthorization Act of 1986 (SARA). This product contains a chemical or chemicals which are subject to the reporting requirements of the Act and Title 40 of the Code of Federal Regulations, Part 372:

*This product may contain trace amounts of (other) SARA reportable chemicals. Contact Benjamin Moore & Co. for further information.*

##### Clean Air Act, Section 112 Hazardous Air Pollutants (HAPs) (see 40 CFR 61)

This product contains the following HAPs:

*This product may contain trace amounts of (other) HAPs chemicals. Contact Benjamin Moore & Co. for further information.*

## **State Regulations**

### **California Proposition 65**

*This product may contain small amounts of materials known to the state of California to cause cancer or reproductive harm.*

### **State Right-to-Know**

| Chemical Name            | Massachusetts | New Jersey | Pennsylvania | Louisiana | Rhode Island |
|--------------------------|---------------|------------|--------------|-----------|--------------|
| 1,3-Benzenedimethanamine | X             | X          | X            |           | X            |
| Nonylphenol              | X             | X          | X            |           |              |

### **Legend**

X - Listed

## 16. OTHER INFORMATION

**WARNING!** If you scrape, sand, or remove old paint, you may release lead dust. LEAD IS TOXIC. EXPOSURE TO LEAD DUST CAN CAUSE SERIOUS ILLNESS, SUCH AS BRAIN DAMAGE, ESPECIALLY IN CHILDREN. PREGNANT WOMEN SHOULD ALSO AVOID EXPOSURE. Wear a NIOSH approved respirator to control lead exposure. Clean up carefully with a HEPA vacuum and a wet mop. Before you start, find out how to protect yourself and your family by contacting the National Lead Information Hotline at 1-800-424-LEAD or log on to [www.epa.gov/lead](http://www.epa.gov/lead).

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**Revision Date:** 04-Jan-2008  
**Revision Summary** Not available

### Disclaimer

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**End of MSDS**