



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	Emergency Telephone Number(s)
Benjamin Moore & Co. 101 Paragon Drive Montvale, NJ 07645 Phone: 201-573-9600 www.benjaminmoore.com	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.

Ingestion 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.

Notes To Physician Treat symptomatically

Protection Of First-Aiders Use personal protective equipment

5. FIRE-FIGHTING MEASURES

Suitable Extinguishing Media Foam, dry powder or water. Use extinguishing measures that are appropriate to local circumstances and the surrounding environment.

Protective Equipment And Precautions For Firefighters As in any fire, wear self-contained breathing apparatus pressure-demand, MSHA/NIOSH (approved or equivalent) and full protective gear.

Specific Hazards Arising From The Chemical Closed containers may rupture if exposed to fire or extreme heat.

Sensitivity To Mechanical Impact No

Sensitivity To Static Discharge No

Flash Point Data
Flash Point (°F) 219
Flash Point (°C) 104
Flash Point Method PMCC

Flammability Limits In Air
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.

6. ACCIDENTAL RELEASE MEASURES

Personal Precautions Use personal protective equipment. Avoid contact with skin, eyes and clothing.

Environmental Precautions	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.
Methods For Clean-Up	Dam up. Soak up with inert absorbent material. Pick up and transfer to properly labeled containers. Clean contaminated surface thoroughly.
Other Information	None known

7. HANDLING AND STORAGE

Handling	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.
Storage	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 ³ 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

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

10. STABILITY AND REACTIVITY

Chemical Stability	Stable under normal conditions. Hazardous polymerisation does not occur.
Conditions To Avoid	Prevent from freezing, prolonged storage at elevated temperatures.
Incompatible Materials	Incompatible with strong acids and bases and strong oxidizing agents.
Hazardous Decomposition Products	Thermal decomposition can lead to release of irritating gases and vapors.
Possibility Of Hazardous Reactions	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

Proper Shipping Name	Amines or polyamines, liquid, corrosive, n.o.s
Hazard Class	8
UN-No	UN2735
Packing Group	III
Description	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.

Prepared By

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Revision Summary

Not available

Disclaimer

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End of MSDS