



# Material Safety Data Sheet

Revision Date: 29-Sep-2009

Revision Number: 1

## 1. PRODUCT AND COMPANY IDENTIFICATION

**Product Name** GARAGE FLOOR COATING CATALYST  
**Product Code** 11584  
**Product Class** WATER THINNED PAINT  
**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)
Epoxy amine		50
Epoxy amine		5
Sodium nitrite	7632-00-0	0.5

## 3. HAZARDS IDENTIFICATION

### Emergency Overview

#### **WARNING**

Irritating to eyes. Irritating to skin. Skin sensitizer.

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

CAUTION: All floor coatings may become slippery when wet. Where non-skid characteristics are desired, a small amount of clean sand may be added. Stir often during application.

**Appearance** liquid

**Odor** amine-like

### Potential Health Effects

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

### **Acute Effects**

<b>Eyes</b>	Moderately irritating to the eyes.
<b>Skin</b>	Irritating to skin. Skin sensitizer.
<b>Inhalation</b>	May cause irritation of respiratory tract.
<b>Ingestion</b>	Ingestion may cause gastrointestinal irritation, nausea, vomiting and diarrhea.
<b>Chronic Effects</b>	Avoid repeated exposure. Repeated contact may cause allergic reactions in very susceptible persons.

See Section 11 for additional Toxicological information.

**Aggravated Medical Conditions** None known

**HMIS**            **Health: 2\***            **Flammability: 0**            **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

<b>General Advice</b>	If symptoms persist, call a physician. Show this safety data sheet to the doctor in attendance.
<b>Eye Contact</b>	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. Call a physician immediately.
<b>Skin Contact</b>	Wash off immediately with soap and plenty of water removing all contaminated clothes and shoes. If skin irritation persists, call a physician.
<b>Inhalation</b>	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>	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. Cool heated containers with water to minimize the risk of rupture.
<b>Sensitivity To Mechanical Impact</b>	No
<b>Sensitivity To Static Discharge</b>	No
<b>Flash Point Data</b>	
Flash Point (°F)	Not applicable
Flash Point (°C)	Not applicable
Flash Point Method	Not applicable
<b>Flammability Limits In Air</b>	
Lower Explosion Limit	Not applicable
Upper Explosion Limit	Not applicable

**NFPA**      **Health:** 2      **Flammability:** 0      **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. Ensure adequate ventilation.
<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>	Avoid contact with skin, eyes and clothing. Handle in accordance with good industrial hygiene and safety practice. Avoid breathing vapors, spray mists or sanding dust. Ensure adequate ventilation.
<b>Storage</b>	Keep container tightly closed in a dry and well-ventilated place. Keep in properly labeled containers. Keep out of the reach of children.

## 8. EXPOSURE CONTROLS / PERSONAL PROTECTION

### Exposure Limits

#### Hazardous Components

Chemical Name	ACGIH	OSHA
Epoxy amine	N/E	N/E
Epoxy amine	N/E	N/E
Sodium nitrite	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**

Long sleeved clothing. Protective gloves.

##### **Respiratory Protection**

In case of insufficient ventilation wear suitable respiratory equipment.

#### **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>	liquid
<b>Odor</b>	amine-like
<b>Density (lbs/gal)</b>	9.0 - 9.1
<b>Specific Gravity</b>	1.0 - 1.1
<b>pH</b>	Not available
<b>Viscosity (centistokes)</b>	Not available
<b>Evaporation Rate</b>	Not available
<b>Vapor Pressure</b>	Not available
<b>Vapor Density</b>	Not available
<b>Wt. % Solids</b>	45 - 55

## 9. PHYSICAL AND CHEMICAL PROPERTIES

<b>Vol. % Solids</b>	40 - 50
<b>Wt. % Volatiles</b>	45 - 55
<b>Vol. % Volatiles</b>	50 - 60
<b>VOC Regulatory Limit (g/L)</b>	< 250
<b>Boiling Point (°F)</b>	212
<b>Boiling Point (°C)</b>	100
<b>Freezing Point (°F)</b>	32
<b>Freezing Point (°C)</b>	0
<b>Flash Point (°F)</b>	Not applicable
<b>Flash Point (°C)</b>	Not applicable
<b>Flash Point Method</b>	Not applicable
<b>Upper Explosion Limit</b>	Not applicable
<b>Lower Explosion Limit</b>	Not applicable

## 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
<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**

No information available

#### **Component**

##### Sodium nitrite

LD50 Oral: 180 mg/kg (Rat)

LC50 Inhalation (Dust): 5.5 mg/m<sup>3</sup> (Rat, 4 hr.)

### Chronic Toxicity

#### **Carcinogenicity**

*The information below indicates whether each agency has listed any ingredient as a carcinogen:*

Chemical Name	ACGIH	IARC	NTP	OSHA Carcinogen
Sodium nitrite		2A - Probable Human Carcinogen		

**Legend**

ACGIH - American Conference of Governmental Industrial Hygienists

IARC - International Agency for Research on Cancer

NTP - National Toxicity Program

OSHA - Occupational Safety &amp; Health Administration

## 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

Not regulated

## 14. TRANSPORT INFORMATION

**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** No - Not all of the components are listed.  
 One or more component is listed on NDSL.

### 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:

<u>Chemical Name</u>	<u>CAS-No</u>	<u>Weight % (max)</u>
Sodium nitrite	7632-00-0	0.5

*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**

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Chemical Name	Massachusetts	New Jersey	Pennsylvania	Louisiana	Rhode Island
Sodium nitrite	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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## Disclaimer

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**End of MSDS**