

Material Safety Data Sheet

Version 1.1

Revision Date 05/15/2014

Print Date 05/15/2014

1. PRODUCT AND COMPANY IDENTIFICATION

Product name : Magmaflow Grout-Pak , B Component

Product Use Description : Curing Agent

Manufacture/Distributor : Pilgrim Permocoat, Inc.
402 S. 22nd Street Tampa,
Florida 33605

Telephone : 813-248-3328

Emergency telephone number : 800-637-3328

2. COMPOSITION/INFORMATION ON INGREDIENTS

Components	CAS Number	Concentration (Weight)
Nonyl Phenol	84852-15-3	< 10 %

CHEMICAL FAMILY: Amine

3. HAZARDS IDENTIFICATION

Emergency Overview

Corrosive

May cause sensitization by skin contact.

Potential Health Effects

Inhalation : Harmful if inhaled and may cause delayed lung injury. Can cause severe eye, skin and respiratory tract burns. Risk of serious damage to the lungs (by inhalation). May cause nose, throat, and lung irritation. Inhalation of aerosol may cause irritation to the upper respiratory tract.

Eye contact : Corneal edema may give rise to a perception of "blue haze" or "fog" around lights. Exposed individuals may see rings around bright lights. This effect is temporary and has no known residual effect. Product vapor can cause glaucopsia (corneal edema) when absorbed into the tissue of the eye from the atmosphere. Causes eye burns. May cause blindness.

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- Skin contact : Causes skin burns.
- Ingestion : If ingested, severe burns of the mouth and throat, as well as a danger of perforation of the oesophagus and the stomach.
- Chronic Health Hazard : This product contains no listed carcinogens according to IARC, ACGIH, NTP and/or OSHA in concentrations of 0.1 percent or greater. May cause allergic skin reaction.

Exposure Guidelines

- Target Organs : Skin.
Eyes.
Respiratory system.

Aggravated Medical Condition

Eye disease Skin disorders and Allergies. Asthma.

4. FIRST AID MEASURES

- General advice : Seek medical advice. If breathing has stopped or is labored, give assisted respirations. Supplemental oxygen may be indicated. If the heart has stopped, trained personnel should begin cardiopulmonary resuscitation immediately.
- Eye contact : Hold eyelids apart, initiate and maintain gentle and continuous irrigation until the patient receives medical care. If medical care is not promptly available, continue to irrigate for one hour.
- Skin contact : Immediately remove contaminated clothing, and any extraneous chemical, if possible to do so without delay. Flush immediately with copious amounts of water. Initiate and maintain continuous irrigation until the patient receives medical care. If medical care is not promptly available, continue to irrigate for one hour. Cover wound with sterile dressing. Take off contaminated clothing and shoes immediately.
- Ingestion : If a person vomits when lying on his back, place him in the recovery position. Never give anything by mouth to an unconscious person. Prevent aspiration of vomit. Turn victim's head to the side.
- Inhalation : If breathing has stopped or is labored, give assisted respirations. Supplemental oxygen may be indicated. If the heart has stopped, trained personnel should begin cardiopulmonary resuscitation immediately. Move to fresh air.
- Notes to physician
- Treatment : NOTE TO PHYSICIANS: Application of corticosteroid cream has been effective in treating skin irritation.
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5. FIRE-FIGHTING MEASURES

- Suitable extinguishing media : Alcohol-resistant foam.
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Carbon dioxide (CO₂).
Dry chemical.
Dry sand.
Limestone powder.

- Specific hazards : Incomplete combustion may form carbon monoxide. May generate ammonia gas. May generate toxic nitrogen oxide gases. Burning produces noxious and toxic fumes.
- Special protective equipment for fire-fighters : Use personal protective equipment. Wear self contained breathing apparatus for fire fighting if necessary.
- Further information : Do not allow run-off from fire fighting to enter drains or water courses., Fire residues and contaminated fire extinguishing water must be disposed of in accordance with local regulations.
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6. ACCIDENTAL RELEASE MEASURES

- Personal precautions : Use self-contained breathing apparatus and chemically protective clothing. Evacuate personnel to safe areas.
- Environmental precautions : Construct a dike to prevent spreading.
- Methods for cleaning up : Approach suspected leak areas with caution. Place in appropriate chemical waste container.
- Additional advice : If possible, stop flow of product.
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7. HANDLING AND STORAGE

Handling

Do not use sodium nitrite or other nitrosating agents in formulations containing this product. Suspected cancer-causing nitrosamines could be formed. Use only in well-ventilated areas. Avoid breathing vapors and/or aerosols. Avoid contact with skin and eyes. Use personal protective equipment. When using, do not eat, drink or smoke.

Storage

Do not store near acids. Keep containers tightly closed in a dry, cool and well-ventilated place.

8. EXPOSURE CONTROLS / PERSONAL PROTECTION

Engineering measures

Provide readily accessible eye wash stations and safety showers.
Provide natural or explosion-proof ventilation adequate to ensure concentrations are kept below exposure limits.

Personal protective equipment

Respiratory protection : Wear appropriate respirator when ventilation is inadequate.

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Hand protection	: Butyl-rubber Nitrile rubber. Neoprene gloves. Polyvinyl Alcohol Gloves (PVA). Impervious gloves. The breakthrough time of the selected glove(s) must be greater than the intended use period.
Eye protection	: Full face shield with goggles underneath.
Skin and body protection	: Impervious clothing. Full rubber suit (rain gear). Rubber or plastic boots. Slicker Suit.
Special instructions for protection and hygiene	: Discard contaminated leather articles. Provide readily accessible eye wash stations and safety showers.

9. PHYSICAL AND CHEMICAL PROPERTIES

Form	: Liquid.
Color	: Amber.
Odor	: Irritating.
Relative density	: 0.94
Vapor pressure	: 5.32 mmHg
pH	: Alkaline.
Boiling point/range	: 297 °F (147 °C)
Flash point	: 130 °C
Water solubility	: Slightly soluble.
Viscosity	: 175 mPa.s at 77 °F (25 °C)

10. STABILITY AND REACTIVITY

Chemical Stability	: Stable under normal conditions.
Materials to avoid	: Reactive metals (e.g. sodium, calcium, zinc etc.). Materials reactive with hydroxyl compounds.

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CAUTION! N-Nitrosamines, many of which are known to be potent carcinogens, may be formed when the product comes in contact with nitrous acid, nitrites or atmospheres with high nitrous oxide concentrations.

Nitrous acid and other nitrosating agents.

Organic acids (i.e. acetic acid, citric acid etc.).

Mineral acids.

Sodium hypochlorite.

Product slowly corrodes copper, aluminum, zinc and galvanized surfaces.

Reaction with peroxides may result in violent decomposition of peroxide possibly creating an explosion.

Oxidizing agents.

Hazardous decomposition products : Nitric acid.
Ammonia
Nitrogen oxides (NOx).
Nitrogen oxide can react with water vapors to form corrosive nitric acid.
Carbon monoxide.
Carbon dioxide (CO2).
Aldehydes
Flammable hydrocarbon fragments.
Nitrosamine.

11. TOXICOLOGICAL INFORMATION

Acute Health Hazard

Ingestion : No data is available on the product itself.

Ingestion - Components
Nonyl Phenol

LD50 : 580 mg/kg

Species : Rat.

Inhalation : No data is available on the product itself.

Dermal : No data is available on the product itself.

Dermal- Components
Nonyl Phenol

LD50 : 2,033 mg/kg

Species : Rabbit.

Sensitization : Sensitization has occurred in laboratory animals after repeated exposures. Dermal sensitization to this product or component has been seen in some humans. Component of this product has been found to cause mild skin sensitization in guinea pigs.

Chronic Health Hazard

The product or a component may be mutagenic, the data is inconclusive.

12. ECOLOGICAL INFORMATION

Ecotoxicity effects

Aquatic toxicity : No data is available on the product itself.

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Toxicity to fish - Components

Nonyl Phenol

LC50 (96 h) : 0.128 mg/l

Species : Fathead minnow (Pimephales promelas).

Toxicity to daphnia - Components

Nonyl Phenol

EC50 (48 h) : 0.0848 mg/l

Species : Daphnia

Nonyl Phenol

EC50 (48 h) : 0.19 mg/l

Species : Daphnia

Toxicity to other organisms : No data available.

Persistence and degradability

Biodegradability : No data is available on the product itself.

Mobility : No data available.

Bioaccumulation : No data is available on the product itself.

Bioaccumulation - Components

Nonyl Phenol

Moderate bioaccumulation potential.

13. DISPOSAL CONSIDERATIONS

Waste from residues / unused products : Contact supplier if guidance is required.

Contaminated packaging : Dispose of container and unused contents in accordance with federal, state, and local requirements.

14. TRANSPORT INFORMATION

DOT

UN/ID No. : UN2735
Proper shipping name : Amines, liquid, corrosive, n.o.s., (Aliphatic Amines)
Class or Division : 8
Packing group : II
Label(s) : 8

IATA

UN/ID No. : UN2735
Proper shipping name : Amines, liquid, corrosive, n.o.s., (Aliphatic Amines)
Class or Division : 8
Packing group : II
Label(s) : 8
Marine Pollutant : Yes

** NOTE: This product contains a substance that: 1) is regulated as a Marine Pollutant, or 2) meets the definition of toxic to the aquatic environment. For more information, contact Pilgrim's customer service

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representative.

IMDG

UN/ID No. : UN2735
Proper shipping name : AMINES, LIQUID, CORROSIVE, N.O.S., (Aliphatic Amines)
Class or Division : 8
Packing group : II
Label(s) : 8
Marine Pollutant : Yes

** NOTE: This product contains a substance that: 1) is regulated as a Marine Pollutant, or 2) meets the definition of toxic to the aquatic environment. For more information, contact a Pilgrim's customer service representative.

TDG

UN/ID No. : UN2735
Proper shipping name : AMINES, LIQUID, CORROSIVE, N.O.S., (Aliphatic Amines)
Class or Division : 8
Packing group : II
Label(s) : 8
Marine Pollutant : Yes

** NOTE: This product contains a substance that: 1) is regulated as a Marine Pollutant, or 2) meets the definition of toxic to the aquatic environment. For more information, contact a Pilgrim's customer service representative.

15. REGULATORY INFORMATION

Toxic Substance Control Act (TSCA) 12(b) Component(s):

None.

OSHA Hazard Communication Standard (29 CFR 1910.1 200) Hazard Class(es)
Sensitizer. Corrosive.

Country	Regulatory list	Notification
USA	TSCA	Included on Inventory.
EU	EINECS	Included on EINECS inventory or polymer substance, monomers included on EINECS inventory or no longer polymer.
Canada	DSL	Included on Inventory.
Australia	AICS	Included on Inventory.
Japan	ENCS	Included on Inventory.
South Korea	ECL	Included on Inventory.
China	SEPA	Included on Inventory.
Philippines	PICCS	Included on Inventory.

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EPA SARA Title III Section 312 (40 CFR 370) Hazard Classification
Acute Health Hazard Chronic Health Hazard

EPA SARA Title III Section 313 (40 CFR 372) Component(s) above 'de minimus' level
None.

US. California Safe Drinking Water & Toxic Enforcement Act (Proposition 65)

This product does not contain any chemicals known to State of California to cause cancer, birth defects or any other harm.

WHMIS Hazard Classification

Corrosive Material, Toxic Material Causing Other Toxic Effects

16. OTHER INFORMATION

HMIS Rating

Health	:	3*
Flammability	:	1
Physical hazard	:	0

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