



## Material Safety Data Sheet

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### SECTION 1: PRODUCT AND COMPANY IDENTIFICATION

**PRODUCT NAME:** 3M Floor Finish  
**MANUFACTURER:** 3M  
**DIVISION:** 3M Philippines  
 Building & Commercial Services Division  
**ADDRESS:** 3M Center, St. Paul, MN 55144-1000  
 St. Paul, MN  
 55144-1000

**EMERGENCY PHONE: 1-800-364-3577 or (651) 737-6501 (24 hours)**

**Issue Date:** 08/20/13  
**Supersedes Date:** 10/24/12

**Document Group:** 31-1184-6

#### Product Use:

**Intended Use:** Applicable for Resilient and Terrazzo floors  
**Specific Use:** Building service trade-floor care maintenance.

### SECTION 2: INGREDIENTS

| <u>Ingredient</u>                               | <u>C.A.S. No.</u> | <u>% by Wt</u> |
|---|-------------------|----------------|
| WATER   | 7732-18-5         | 60 - 90        |
| POLYSTYRENE / ACRYLIC COPOLYMER NJTS# 71-091799 | Trade Secret      | 10 - 30        |
| DIETHYLENE GLYCOL MONOETHYL ETHER               | 111-90-0          | 3 - 7          |
| TRI(BUTOXYETHYL) PHOSPHATE                      | 78-51-3           | 1 - 5          |
| ZINC AMMONIA CARBONATE COMPLEX                  | 38714-47-5        | 0.5 - 1.5      |
| AMMONIA   | 7664-41-7         | < 1            |

### SECTION 3: HAZARDS IDENTIFICATION

#### 3.1 EMERGENCY OVERVIEW

**Odor, Color, Grade:** White, with acrylic odor

**General Physical Form:** Liquid

**Immediate health, physical, and environmental hazards:** May cause target organ effects.

#### 3.2 POTENTIAL HEALTH EFFECTS

##### Eye Contact:

Moderate Eye Irritation: Signs/symptoms may include redness, swelling, pain, tearing, and blurred or hazy vision.

##### Skin Contact:

Mild Skin Irritation: Signs/symptoms may include localized redness, swelling, and itching.

**Inhalation:**

Respiratory Tract Irritation: Signs/symptoms may include cough, sneezing, nasal discharge, headache, hoarseness, and nose and throat pain.

**Ingestion:**

Gastrointestinal Irritation: Signs/symptoms may include abdominal pain, stomach upset, nausea, vomiting and diarrhea. May be absorbed following ingestion and cause target organ effects.

**Target Organ Effects:** Prolonged or repeated exposure by ingestion may cause:

Kidney/Bladder Effects: Signs/symptoms may include changes in urine production, abdominal or lower back pain, increased protein in urine, increased blood urea nitrogen (BUN), blood in urine, and painful urination.

Liver Effects: Signs/symptoms may include loss of appetite, weight loss, fatigue, weakness, abdominal tenderness and jaundice.

Neurological Effects: Signs/symptoms may include personality changes, lack of coordination, sensory loss, tingling or numbness of the extremities, weakness, tremors, and/or changes in blood pressure and heart rate.

## SECTION 4: FIRST AID MEASURES

### 4.1 FIRST AID PROCEDURES

The following first aid recommendations are based on an assumption that appropriate personal and industrial hygiene practices are followed.

**Eye Contact:** Flush eyes with large amounts of water. If signs/symptoms persist, get medical attention.

**Skin Contact:** Wash affected area with soap and water. If signs/symptoms develop, get medical attention.

**Inhalation:** Remove person to fresh air. If signs/symptoms develop, get medical attention.

**If Swallowed:** Do not induce vomiting unless instructed to do so by medical personnel. Give victim two glasses of water. Never give anything by mouth to an unconscious person. Get medical attention.

## SECTION 5: FIRE FIGHTING MEASURES

### 5.1 FLAMMABLE PROPERTIES

|                          |                          |
|--------------------------|--------------------------|
| Autoignition temperature | <i>No Data Available</i> |
| Flash Point              | No flash point           |
| Flammable Limits(LEL)    | <i>No Data Available</i> |
| Flammable Limits(UEL)    | <i>No Data Available</i> |

### 5.2 EXTINGUISHING MEDIA

Non-combustible. Choose material suitable for surrounding fire.

### 5.3 PROTECTION OF FIRE FIGHTERS

**Special Fire Fighting Procedures:** Wear full protective equipment (Bunker Gear) and a self-contained breathing apparatus (SCBA).

**Unusual Fire and Explosion Hazards:** Not applicable.

**Note:** See STABILITY AND REACTIVITY (SECTION 10) for hazardous combustion and thermal decomposition information.

## SECTION 6: ACCIDENTAL RELEASE MEASURES

### 6.1. Personal precautions, protective equipment and emergency procedures

Evacuate unprotected and untrained personnel from hazard area. The spill should be cleaned up by qualified personnel. Ventilate the area with fresh air. For large spill, or spills in confined spaces, provide mechanical ventilation to disperse or exhaust vapors, in accordance with good industrial hygiene practice. Warning! A motor could be an ignition source and could cause flammable gases or vapors in the spill area to burn or explode.

### 6.2. Environmental precautions

For larger spills, cover drains and build dikes to prevent entry into sewer systems or bodies of water. Place in a closed container approved for transportation by appropriate authorities. Dispose of collected material as soon as possible.

### Clean-up methods

Observe precautions from other sections. Call 3M- HELPS line (1-800-364-3577) for more information on handling and managing the spill. Contain spill. Working from around the edges of the spill inward, cover with bentonite, vermiculite, or commercially available inorganic absorbent material. Mix in sufficient absorbent until it appears dry. Collect as much of the spilled material as possible. Clean up residue with water.

In the event of a release of this material, the user should determine if the release qualifies as reportable according to local, state, and federal regulations.

## SECTION 7: HANDLING AND STORAGE

### 7.1 HANDLING

Keep out of the reach of children. Avoid breathing of vapors, mists or spray. Avoid eye contact with vapors, mists, or spray. Do not eat, drink or smoke when using this product. Wash exposed areas thoroughly with soap and water. For industrial or professional use only.

### 7.2 STORAGE

Store away from heat. Store out of direct sunlight.

## SECTION 8: EXPOSURE CONTROLS/PERSONAL PROTECTION

### 8.1 ENGINEERING CONTROLS

Use in a well-ventilated area.

### 8.2 PERSONAL PROTECTIVE EQUIPMENT (PPE)

#### 8.2.1 Eye/Face Protection

Avoid eye contact with vapors, mists, or spray. The following eye protection(s) are recommended: Safety Glasses with side shields

#### 8.2.2 Skin Protection

Avoid skin contact. Select and use gloves and/or protective clothing to prevent skin contact based on the results of an exposure assessment. Consult with your glove and/or protective clothing manufacturer for selection of appropriate compatible materials. Gloves made from the following material(s) are recommended: Neoprene Nitrile Rubber

#### 8.2.3 Respiratory Protection

Avoid breathing of vapors, mists or spray. Under normal use conditions, airborne exposures are not expected to be significant enough to require respiratory protection.

#### 8.2.4 Prevention of Swallowing

Do not eat, drink or smoke when using this product. Wash exposed areas thoroughly with soap and water.

### 8.3 EXPOSURE GUIDELINES

| <u>Ingredient</u>                 | <u>Authority</u> | <u>Type</u> | <u>Limit</u>          | <u>Additional Information</u> |
|-----------------------------------|------------------|-------------|-----------------------|-------------------------------|
| AMMONIA                           | ACGIH            | TWA         | 25 ppm                |                               |
| AMMONIA                           | ACGIH            | STEL        | 35 ppm                |                               |
| AMMONIA                           | OSHA             | TWA         | 35 mg/m <sup>3</sup>  |                               |
| DIETHYLENE GLYCOL MONOETHYL ETHER | AIHA             | TWA         | 140 mg/m <sup>3</sup> |                               |
| DIETHYLENE GLYCOL MONOETHYL ETHER | CMRG             | TWA         | 25 ppm                |                               |

SOURCE OF EXPOSURE LIMIT DATA:

- ACGIH: American Conference of Governmental Industrial Hygienists
- CMRG: Chemical Manufacturer Recommended Guideline
- OSHA: Occupational Safety and Health Administration
- AIHA: American Industrial Hygiene Association Workplace Environmental Exposure Level (WEEL)

## SECTION 9: PHYSICAL AND CHEMICAL PROPERTIES

|  |   |
|--|---|
| <b>Odor, Color, Grade:</b>                           | White, with acrylic odor                    |
| <b>General Physical Form:</b>                        | Liquid                                      |
| <b>Autoignition temperature</b>                      | <i>No Data Available</i>                    |
| <b>Flash Point</b>                                   | No flash point                              |
| <b>Flammable Limits(LEL)</b>                         | <i>No Data Available</i>                    |
| <b>Flammable Limits(UEL)</b>                         | <i>No Data Available</i>                    |
| <b>Boiling Point</b>                                 | > 95 °F                                     |
| <b>Density</b>                                       | Approximately 1 g/ml                        |
| <b>Vapor Density</b>                                 | <i>No Data Available</i>                    |
| <b>Vapor Pressure</b>                                | < 27 psia [@ 131 °F]                        |
| <b>Specific Gravity</b>                              | Approximately 1 [ <i>Ref Std: WATER=1</i> ] |
| <b>pH</b>  | 8.5 - 9.3                                   |
| <b>Melting point</b>                                 | <i>Not Applicable</i>                       |
| <b>Solubility in Water</b>                           | Complete                                    |
| <b>Volatile Organic Compounds</b>                    | < 1 % weight                                |
| <b>VOC Less H<sub>2</sub>O &amp; Exempt Solvents</b> | < 42 g/l                                    |
| <b>Viscosity</b>                                     | <i>No Data Available</i>                    |

## SECTION 10: STABILITY AND REACTIVITY

**Stability:** Stable.

**Materials and Conditions to Avoid:**

**10.1 Conditions to avoid**

Heat

**10.2 Materials to avoid**

None known

**Hazardous Polymerization:** Hazardous polymerization will not occur.

### Hazardous Decomposition or By-Products

| <u>Substance</u> | <u>Condition</u> |
|------------------|------------------|
| Carbon monoxide  | Not Specified    |

|                    |               |
|--------------------|---------------|
| Carbon dioxide     | Not Specified |
| Hydrogen Gas       | Not Specified |
| Oxides of Nitrogen | Not Specified |

## SECTION 11: TOXICOLOGICAL INFORMATION

Please contact the address listed on the first page of the MSDS for Toxicological Information on this material and/or its components.

## SECTION 12: ECOLOGICAL INFORMATION

### ECOTOXICOLOGICAL INFORMATION

Not determined.

### CHEMICAL FATE INFORMATION

Not determined.

## SECTION 13: DISPOSAL CONSIDERATIONS

**Waste Disposal Method:** Dispose of waste product in a facility permitted to accept chemical waste. As a disposal alternative, incinerate in an industrial or commercial facility in the presence of a combustible material.

**EPA Hazardous Waste Number (RCRA):** Not regulated

Since regulations vary, consult applicable regulations or authorities before disposal.

## SECTION 14: TRANSPORT INFORMATION

### ID Number(s):

PN-3020-0130-2

For Transport Information, please visit <http://3M.com/Transportinfo> or call 1-800-364-3577 or 651-737-6501.

## SECTION 15: REGULATORY INFORMATION

### US FEDERAL REGULATIONS

Contact 3M for more information.

### 311/312 Hazard Categories:

Fire Hazard - No Pressure Hazard - No Reactivity Hazard - No Immediate Hazard - Yes Delayed Hazard - Yes

### Section 313 Toxic Chemicals subject to the reporting requirements of that section and 40 CFR part 372 (EPCRA):

| <u>Ingredient</u>                                    | <u>C.A.S. No</u> | <u>% by Wt</u> |
|--|------------------|----------------|
| DIETHYLENE GLYCOL MONOETHYL<br>ETHER (GLYCOL ETHERS) | 111-90-0         | 3 - 7          |
| TRI(BUTOXYETHYL) PHOSPHATE (GLYCOL<br>ETHERS)        | 78-51-3          | 1 - 5          |
| ZINC AMMONIA CARBONATE COMPLEX<br>(ZINC COMPOUNDS)   | 38714-47-5       | 0.5 - 1.5      |

### STATE REGULATIONS

Contact 3M for more information.

## CHEMICAL INVENTORIES

The components of this product are in compliance with the chemical notification requirements of TSCA.

All applicable chemical ingredients in this material are listed on the European Inventory of Existing Chemical Substances (EINECS), or are exempt polymers whose monomers are listed on EINECS.

All components of this product are listed on the Inventory of Existing Chemical Substances in China or are exempt.

Contact 3M for more information.

## INTERNATIONAL REGULATIONS

Contact 3M for more information.

This MSDS has been prepared to meet the U.S. OSHA Hazard Communication Standard, 29 CFR 1910.1200.

## SECTION 16: OTHER INFORMATION

### NFPA Hazard Classification

Health: 2 Flammability: 1 Reactivity: 0 Special Hazards: None

National Fire Protection Association (NFPA) hazard ratings are designed for use by emergency response personnel to address the hazards that are presented by short-term, acute exposure to a material under conditions of fire, spill, or similar emergencies. Hazard ratings are primarily based on the inherent physical and toxic properties of the material but also include the toxic properties of combustion or decomposition products that are known to be generated in significant quantities.

### Revision Changes:

Section 7: Handling information information was modified.

Section 7: Storage information information was modified.

Section 10: Hazardous decomposition or by-products table information was modified.

Section 15: Inventories information information was modified.

Section 9: Property description for optional properties information was modified.

Section 1: Initial issue message information was modified.

Section 2: Ingredient table information was modified.

Section 15: EPCRA 313 information information was modified.

Copyright information was modified.

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