# MATERIAL SAFETY DATA SHEET

## 1. IDENTIFICATION OF MATERIAL AND SUPPLIER

**Material/Trade Name** Pioneer PRO Greatfloor 200
**Material Type** 2 Component Epoxy – Polyamide Base

**Company** Republic Chemical Industries, Inc.

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## 2. COMPOSITION/INFORMATION INGREDIENTS

| Chemical Identity | CAS No. | % | EINEC |
|---|---|---|---|
| Liquid epoxy resin based on epichlorohydrin and Bisphenol A | | | |
| Reactive Polyamide Resin | | | |
| Pigment | | | |
| Calcium Carbonate | | | |
| Barium Sulfate | | | |
| Dispersant | | | |
| Solvents | | | |
| Flow Modifier | | | |
| Rheological Additive | | | |

## 3. HAZARDS IDENTIFICATION

Inhalation: May be harmful if inhaled in large amounts or for prolonged periods. Can cause irritation of respiratory tract. Overexposure to fumes or vapor may cause delayed lung damage and chemical pneumonia.

Skin Contact: May cause skin rashes due to sensitization

Eye contact: May cause irritation.

Ingestion: May be harmful. May cause fatigue, muscular weakness, labored breathing and gastrointestinal irritation. Several of the solvents may cause chemical pneumonia if aspirated into the lung.

## 4. FIRST AID MEASURES

Inhalation: Move to fresh air and if there are adverse reactions, call a physician.

Eye Contact: Flush thoroughly with a continuous stream of low-pressure water. Medical attention should be obtained promptly.

Skin Contact: Materials should be promptly wiped from the skin with clean cloth or paper towels. The affected area should be washed thoroughly with soap and plenty of water. Washing paint off the skin with solvents is not recommended because solvents may facilitate absorption through the skin.

Any contaminated clothing, including shoes, should be removed and not reused until the articles are free entirely of the material.

Ingestion: Do not induce vomiting, immediately obtained medical attention.

## 5. FIRE FIGHTING MEASURES

Flammability: 50˚C (Open Cup)
This product requires precaution against fire and explosion hazards. This is so because of the presence of flammable solvents.

Flash Point: 42˚C (Closed Cup)

Extinguishing Media: Carbon Dioxide, Dry chemical Universal Type Foam

Other Fire Fighting Equipment: Self-contained, positive-pressure breathing apparatus and full protective clothing.

Hazardous decomposition: Carbon Dioxide, carbon monoxide, and oxides of nitrogen

Unusual Fire and Explosion Hazards: Vapors from this product may travel or may be moved by air currents and ignited by pilot lights, switches, other flames or sources of heat, sparks, heaters, electrical equipment, static discharge or other ignition sources at locations distant from the product handling area.

## 6. ACCIDENTAL RELEASE MEASURES

Action to take for spills/ leaks: Soak up in absorbent material such as sand and collect in suitable container. Flush area with plenty of water. Wear adequate personal protective clothing and equipment. Keep out of irrigation ditches, sewers and water supplies.

Disposal Method: Do not dump into any sewers, on the ground or into any body of water. Dispose in an approved chemical waste landfill. Disposable method must be in compliance with all State/Provincial and local laws and regulations.

## 7. HANDLING AND STORAGE

Handling: Avoid use of electric band heaters. Application of direct flame to a container of this material can also cause explosion and/or fire.

Storage: Ensure adequate ventilation in storage area. Keep container closed when not in use. Do not store this material near flame, heat or strong oxidants.

## 8. EXPOSURE CONTROLS/PERSONAL PROTECTION

| | |
|---|---|
| **Eye/Face Protection** | Safety goggles/glasses suitable for use with chemicals |
| **Respiratory Protection** | Always use appropriate Filter Mask/respirator (NIOSH/MSHA Approved) |
| **Skin Protection** | Nitrile/polyethylene gloves, coveralls, avoids cotton Products. |
| **Ventilation** | Good general or local exhaust ventilation are required for usage. |

## 9. PHYSICAL AND CHEMICAL PROPERTIES

| | | | |
|---|---|---|---|
| Appearance: | Component A | - | colored solution |
| | Component B | - | clear, amber liquid |
| Odor: | Component A | - | strong solvent odor |
| | Component B | - | strong solvent odor |
| Total Nonvolatile: | Component A | - | 58-60 by weight |
| | | - | 60-62 by volume |
| | Component B | - | 28-30 by weight |
| | | - | 25-27 by volume |
| | Mixed ( A & B ) | - | 55-57 by weight |
| | | - | 51-53 by volume |
| **Ratio** | | **-** | **3:1 by volume** |
| **Kilos per liter** | | **-** | **1.12-1.14** |
| Viscosity, KU | | - | 60-70 |

Film Properties

| | | |
|---|---|---|
| Adhesion | - | 100 % |
| Finish | - | Glossy |
| Flexibility | - | Excellent |
| Dry time @ ambient | | |
| Set-to-touch | - | 1-2 hours |
| Tack-free | - | 2-5 hours |
| Dry-through | - | 2-3 days |

## 10. STABILITY AND REACTIVITY

Stable under recommended storage condition.
Generation of gas during decomposition can cause pressure in closed systems.
Avoid contact with oxidizing materials, acids and bases, and amines.

## 11. TOXICOLOGICAL INFORMATION

Repeated skin contact may possibly cause dermatitis. May be harmful or cause irritation of respiratory tract if inhaled in large amount or for prolonged periods.

Overexposure to fumes and vapor may cause lung damage and chemical pneumonia.

## 12. ECOLOGICAL CONSIDERATION

For Aromatic Hydrocarbon: When released into the soil, this material may evaporate to a moderate extent. It is also expected to leach into groundwater. And is biodegradable to a moderate extent.
This material is expected to be slightly toxic to aquatic life.

Component A – Bio concentration potential is moderate. Potential for mobility in soil is low. Moderately toxic to aquatic organisms on an acute basis.
Component B – not determined

## 13. DISPOSAL CONSIDERATIONS

Do not dump into any sewers, on the ground or into any body of water.
Dispose in an approved chemical waste landfill.
Disposable method must be in compliance with all State/Provincial and local laws and regulations.

## 14. TRANSPORT INFORMATION

| | |
|---|---|
| DOT | Not Available |
| IMDG | Not Available |
| IATA | Flammable Liquid, UN 1263, Class 3, PG III |
| TDG | Not Available |

| **15. REGULATORY INFORMATION** |
| --- |
| As of the date of this MSDS, all of the components in this product are listed (or otherwise exempt from listing) on the TSCA Inventory. |
| **16. OTHER INFORMATION** |
| None |