# SAFETY DATA SHEET

**Date Issued :** 9/11/2013
**MSDS No :** 229
**Date Revised :** 9/11/2013
**Revision No :** 1

## 1. PRODUCT AND COMPANY IDENTIFICATION

**GENERAL USE:** Stone and Masonry Patching
**PRODUCT CODE:** Last Patch Dymond, KG, Part A
**PRODUCT FORMULATION NAME:** Last Patch Dymond, KG, Part A

**MANUFACTURER**

Bonstone Materials Corporation
707 Swan Drive
Mukwonago, WI 53149
**Emergency Contact:** Mike Beckmann
**E-Mail:** info@bonstone.com
**Emergency Phone:** 262-363-9877

**24 HR. EMERGENCY TELEPHONE NUMBERS**

Chemtrec: 1-800-424-9300

## 2. HAZARDS IDENTIFICATION

### EMERGENCY OVERVIEW

**IMMEDIATE CONCERNS:** ****** EMERGENCY OVERVIEW ******** WARNING! May cause eye, skin, and respiratory tract cure irritation. May cause allergic respiratory reaction. Harmful if inhaled. May cause allergic skin reaction. Closed container may explode under extreme heat or when contaminated with water. Toxic gases/fumes are given off during burning or thermal decomposition

### POTENTIAL HEALTH EFFECTS

**EYES:** Contact may cause eye irritation.

**SKIN:** May cause skin irritation. Allergic reactions are possible.

**INGESTION:** Harmful if swallowed.

**INHALATION:** Inhalation is unlikely due to the low vapor pressure.

**MEDICAL CONDITIONS AGGRAVATED:** Neurological disorders; asthma; skin disorders and allergies; eye disease.

## 3. COMPOSITION / INFORMATION ON INGREDIENTS

| Chemical Name | Wt.% | CAS |
|---|---|---|
| Aliphatic Carboxylic Ester | Trade secret | 623-91-6 |
| Tetrahydroxypropylethylenediamine | Trade secret | 102-60-3 |
| Polydimethylsiloxane, Silica Adduct | Trade secret | 67762-90-7 |
| Polymeric benzotriazole | Trade secret | 104810-47-1 |
| Polymeric benzotriazole | Trade secret | 104810-48-2 |
| Poly(oxy-1,2-ethanediyl), A-hydro-w-hydroxy- | Trade secret | 25322-68-3 |
| Aspartic ester | Trade secret | 136210-30-5 |

## 4. FIRST AID MEASURES

**EYES:** Immediately flush eyes with plenty of water for at least 15 minutes. Get immediate medical attention.

**SKIN:** In case of contact, immediately flush skin with plenty of water for at least 15 minutes while removing contaminated clothing and shoes. Get medical attention immediately. Thoroughly wash or discard clothing and shoes before reuse.

**INGESTION:** If swallowed, do NOT induce vomiting. Give victim a glass of water to drink. Never give anything by mouth to an unconscious person. Get medical attention immediately.

**INHALATION:** Remove to fresh air. If not breathing, give artificial respiration. If breathing is difficult, give oxygen. Get immediate medical attention.

## 5. FIRE FIGHTING MEASURES

**GENERAL HAZARD:** During a fire, irritating and highly toxic gases may be generated by thermal decomposition or combustion.

**EXTINGUISHING MEDIA:** Use alcohol foam, dry chemical, carbon dioxide, or water spray when fighting fires involving this material.

**FIRE FIGHTING PROCEDURES:** Use alcohol foam, dry chemical, carbon dioxide, or water spray when fighting fires involving this material. Firefighters and others who may be exposed to products of combustion should wear full firefighting turnout gear and self-contained breathing apparatus. Firefighting equipment should be thoroughly decontaminated after use.

## 6. ACCIDENTAL RELEASE MEASURES

**SMALL SPILL:** Dike area to contain spill. Take precautions as necessary to prevent contamination of ground and surface waters. Recover spilled material on adsorbent, such as sawdust or vermiculite, and sweep into closed containers for disposal. After all visible traces, including ignitible vapors, have been removed thoroughly wet vacuum the area. Do not flush to sewer. If area of spill is porous, remove as much contaminated earth and gravel, etc. as necessary and place in closed containers for disposal.

**RELEASE NOTES:** Notify authorities if any exposures to the general public or environment occurs or is likely to occur.

**SPECIAL PROTECTIVE EQUIPMENT:** Remove contaminated clothing and wash before reuse.

## 7. HANDLING AND STORAGE

**GENERAL PROCEDURES:** Avoid contact with eyes, skin, and clothing.

**STORAGE:** Keep containers tightly closed, and stored in a cool, dry, well ventilated place.

**STORAGE TEMPERATURE:** Store in a cool place below (100) F (38) C.

**COMMENTS:** Follow all MSDS/label precautions even after container is emptied because they may retain product residues.

## 8. EXPOSURE CONTROLS / PERSONAL PROTECTION

**EXPOSURE GUIDELINES**

| OSHA HAZARDOUS COMPONENTS (29 CFR1910.1200) | | | |
|---|---|---|---|
| | | EXPOSURE LIMITS | |
| | | SupplierOEL | |
| **Chemical Name** | | **ppm** | **mg/m³** |
| Polydimethylsiloxane, Silica Adduct | **TWA** | | 10 mg/m3 |

**ENGINEERING CONTROLS:** Good general ventilation should be sufficient to control airborne levels.

**PERSONAL PROTECTIVE EQUIPMENT**

**EYES AND FACE:** For normal conditions, wear safety glasses. Where there is reasonable probability of liquid contact, wear splash-proof goggles.

**RESPIRATORY:** A respiratory protection program that meets OSHA 1910.134 and ANSI Z88.2 requirements must be followed whenever workplace conditions warrant a respirator's use.

**WORK HYGIENIC PRACTICES:** Provide readily accessible eyewash stations and safety showers. Wash at the end of each work shift and before eating, smoking, or using the toilet.

**OTHER USE PRECAUTIONS:** Facilities storing or utilizing this material should be equipped with an eyewash facility and a safety shower.

**COMMENTS:** Avoid breathing any (dust, vapor, mist, gas) that may be generated when grinding cured material.

## 9. PHYSICAL AND CHEMICAL PROPERTIES

| Chemical Name | Flash Point (°C) | Boiling Point (°C) | Freezing Point (°C) | Auto Ignition (°C) | Solubility in Water | Specific Gravity |
|---|---|---|---|---|---|---|
| Tetrahydroxypropylethylenediamine | | | | | | 1.01 |
| Polydimethylsiloxane, Silica Adduct | 600 | 2230 | 1700 | | | 1.8 |
| Polymeric benzotriazole | 237 | 166 | -40 | 405 | | 1.17 |
| Polymeric benzotriazole | 226 | 166 | -40 | 405 | 7.7 ppm in water at 20C (68F) | 1.17 |
| Aspartic ester | 212 | | | | None | 1.08 |

**FLAMMABLE LIMITS:** 0 to 0

**AUTOIGNITION TEMPERATURE:** (707°F)

**VAPOR PRESSURE:** 16.714

**VAPOR DENSITY:** 16.714

**BOILING POINT:** to (331°F)

**SPECIFIC GRAVITY:** 1.06

**(VOC):** = 0 (no VOC's)

## 10. STABILITY AND REACTIVITY

**STABILITY:** Stable.

**POLYMERIZATION:** Will not occur.

**CONDITIONS TO AVOID:** Avoid storage at elevated temperatures.

**HAZARDOUS DECOMPOSITION PRODUCTS:** By Fire and Thermal Decomposition: carbon oxides, nitrogen oxides, amines, other aliphatic fragments which have not been determined.
Ammonia gas may be liberated at high temperatures.

**INCOMPATIBLE MATERIALS:** Oxidizing agents, acids, isocyanates

## 11. TOXICOLOGICAL INFORMATION

**ACUTE**

| Chemical Name | ORAL $LD_{50}$ (rat) | DERMAL $LD_{50}$ (rabbit) | INHALATION $LC_{50}$ (rat) |
|---|---|---|---|
| Tetrahydroxypropylethylenediamine | >= 3280 mg/kg (rat) | | |
| Polydimethylsiloxane, Silica Adduct | > 5000 mg/kg (rat) | | |
| Polymeric benzotriazole | > 5000 mg/kg (rat) | > 2000 mg/kg | > 5.8 mg/l |
| Polymeric benzotriazole | > 5000 mg/kg (rat) | > 2000 mg/kg | > 5.8 mg/l |
| Aspartic ester | > 2000 mg/kg (rat) | > 2000 mg/kg | > 4224 mg/m3, 4 hour (rat) |

**EYE EFFECTS:** Irritation eye rabbit, mild

**SKIN EFFECTS:** Irritation skin rabbit, slight

## 12. ECOLOGICAL INFORMATION

**ECOTOXICOLOGICAL INFORMATION:** Daphnia and Fish 2.2 mg/L - 100 mg/L, Moderately Toxic

**Notes:** This product may be toxic to fish; avoid discharge to natural waters.

**COMMENTS:** The ecological evaluation of the product is based on data from the raw material and/or comparable substances.

## 13. DISPOSAL CONSIDERATIONS

**DISPOSAL METHOD:** Recover, reclaim or recycle when practical. Dispose of in accordance with federal, state and local regulations. Note: Chemical additions to, processing of, or otherwise altering this material may make this waste management information incomplete, inaccurate, or otherwise inappropriate. Furthermore, state and local waste disposal requirements be be more restrictive or otherwise different from federal laws and regulations.

## 14. TRANSPORT INFORMATION

**COMMENTS:** Not regulated by DOT

## 15. REGULATORY INFORMATION

**UNITED STATES**

**SARA TITLE III (SUPERFUND AMENDMENTS AND REAUTHORIZATION ACT)**

**311/312 HAZARD CATEGORIES:** Immediate health hazard

**TSCA (TOXIC SUBSTANCE CONTROL ACT)**

| Chemical Name | CAS |
|---|---|
| Tetrahydroxypropylethylenediamine | 102-60-3 |
| Polydimethylsiloxane, Silica Adduct | 67762-90-7 |
| Poly(oxy-1,2-ethanediyl), A-hydro-w-hydroxy- | 25322-68-3 |
| Aspartic ester | 136210-30-5 |

**TSCA STATUS:** All ingredients in this mixture are in compliance with TSCA.

**STATES WITH SPECIAL REQUIREMENTS**

| Chemical Name | Requirements |
|---|---|
| Polymeric benzotriazole | NJ: New Jersey Right-to-Know: The following is required composition information: Common Name: Polymeric benzotriazole derivative CASRN: 104810-47-1 |
| Polymeric benzotriazole | NJ: New Jersey Right-to-Know: The following is required composition information: Common Name: Polymeric benzotriazole derivative CASRN: 104810-48-2 |
| Poly(oxy-1,2-ethanediyl), A-hydro-w-hydroxy- | NJ: New Jersey Right-to-Know: The following is required composition information: Chemical Name: Poly (oxy-1,2-ethanediyl), alpha-hydro-omega-hydroxy- Common Name: Polyethylene Glycol CASRN: 25322-68-3 |

**CALIFORNIA PROPOSITION 65:** This product contains a chemical(s) known to the state of California to cause cancer.

| Chemical Name | Wt.% | Listed |
|---|---|---|
| Tetrahydroxypropylethylenediamine | Trade secret | Cancer |

## 16. OTHER INFORMATION

**REASON FOR ISSUE:** New formula

**APPROVED BY:** Mike Beckmann **TITLE:** President

**PREPARED BY:** Mike Beckmann

**INFORMATION CONTACT:** Mike Beckmann

**REVISION SUMMARY:** This SDS replaces the 9/11/2013 SDS. Revised: **Section 1:** 24 HR. EMERGENCY TELEPHONE NUMBERS, GENERAL USE, REASON FOR ISSUE.

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