

# SAFETY DATA SHEET

## E-Z PATCH® 1

### SECTION 1: PRODUCT AND COMPANY IDENTIFICATION

<b>Product Name:</b> E-Z PATCH® #1 (Pool Plaster Dry Mix)	<b>Product Use:</b> Pool Repair Material
<b>Manufacturer's Name:</b> E-Z Products	<b>Emergency Telephone:</b> 888-439-7282 or 480-488-8207
<b>Address:</b> 32449 N. 66 <sup>th</sup> St., Cave Creek, AZ 85331	<b>Telephone Number:</b> 480-488-8207
<b>Date Prepared:</b> May 8, 2015	<b>Date Updated:</b> May 8, 2015

### SECTION 2: HAZARDS IDENTIFICATION

#### HAZARD CLASSIFICATION

Skin Irritation 2  
Serious Eye Damage 1  
Skin Sensitization 1  
Carcinogenicity 1A  
Specific Target Organ Toxicity – Single Exposure 3  
Specific Target Organ Toxicity – Repeated Exposure 1

#### LABEL ELEMENTS

##### Hazard Pictogram:



**Signal Word:** Caution

**Hazard Statement:** Causes skin irritation. Causes serious eye damage. May cause an allergic skin reaction. May cause cancer. May be harmful if swallowed. May cause respiratory irritation. Causes damage to organs through prolonged or repeated exposure.

**Prevention:** Wash hands thoroughly after handling. Contaminated work clothing must not be allowed out of the workplace. Obtain special instructions before use. Do not handle until all safety precautions have been read and understood. Wear protective gloves, protective clothing, eye protection, and face protection. Use only outdoors or in a well-ventilated area. Do not breathe dust. Do not eat, drink or smoke when using this product.

**Response:** If on skin: Wash with plenty of water. Take off contaminated clothing and wash clothing before reuse. If skin irritation or rash occurs: get medical advice and/or attention. If in eyes: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easily removed and continue rinsing. Immediately call a poison center or doctor. If inhaled: Remove person to fresh air and keep comfortable for breathing. Call a poison center or doctor if you feel unwell. If exposed or concerned: Get medical advice and attention.

**Storage:** Store locked up. Store in a well-ventilated place. Keep container tightly closed.

**Disposal:** Dispose of contents and container in accordance with all local, regional, national and international regulations.

#### ADDITIONAL INFORMATION

**Hazards not otherwise classified:** Not applicable.  
40.0 % of the mixture consists of ingredient(s) of unknown acute toxicity.

### SECTION 3: COMPOSITION / INFORMATION ON INGREDIENTS

MATERIAL OR INGREDIENT	CAS #	WT. %
Portland Cement	65997-15-1	40-60
Ground Limestone	1317-65-3	40-60
Titanium Dioxide	13463-67-7	0.1-2.5
Crystalline Silica	14808-60-7	0.1-2.5
Magnesium Oxide	1309-48-4	0.1-2.5

Exact composition percentage/concentration has been withheld as a trade secret in accordance with paragraph (i) of §1910.1200.

### SECTION 4: FIRST-AID MEASURES

DESCRIPTION OF THE FIRST AID MEASURE
<p><b>Eye:</b> In case of contact, immediately flush eyes with plenty of water for at least 15 minutes. If easy to do, remove contact lenses, if worn. Get medical attention immediately.</p> <p><b>Skin:</b> In case of contact, immediately flush skin with plenty of water. Remove contaminated clothing and shoes. Wash clothing before reuse. Call a physician if irritation develops and persists.</p> <p><b>Inhalation:</b> If breathing is difficult, remove victim to fresh air and keep at rest in a position comfortable for breathing. Give oxygen if breathing is difficult. Give artificial respiration if not breathing. Get medical advice/attention if you feel unwell.</p> <p><b>Ingestion:</b> If swallowed, do NOT induce vomiting unless directed to do so by medical personnel. Never give anything by mouth to an unconscious person. Give 2 cups full of water if victim is conscience and alert. Get medical advice/attention.</p>
IMPORTANT SYMPTOMS AND EFFECTS, BOTH ACUTE AND DELAYED
<p><b>Eye:</b> Causes serious eye damage. Symptoms may include discomfort or pain, excess blinking and tear production, with marked redness and swelling of the conjunctiva. May cause burns in the presence of moisture.</p> <p><b>Skin:</b> Causes skin irritation. May cause burns in the presence of moisture. Skin contact during hydration may slowly develop sufficient heat that may cause severe burns possibly resulting in permanent injury. Do not allow product to harden around any body part or allow continuous, prolonged contact with skin. Handling can cause dry skin. May cause sensitization by skin contact.</p> <p><b>Inhalation:</b> May cause respiratory tract irritation. May cause burns in the presence of moisture.</p> <p><b>Ingestion:</b> May be harmful if swallowed. May cause stomach distress, nausea or vomiting.</p>
INDICATION OF IMMEDIATE MEDICAL ATTENTION AND SPECIAL TREATMENTS NEEDED
<p><b>Note to Physicians:</b> Symptoms may not appear immediately.</p> <p><b>Specific Treatments:</b> In case of accident or if you feel unwell, seek medical advice immediately (show the label or MSDS where possible).</p>

### SECTION 5 – FIRE-FIGHTING MEASURES

FLAMMABILITY
<b>Flammability:</b> Not flammable by WHMIS/OSHA criteria.
EXTINGUISHING MEDIA
<b>Suitable Extinguishing Media:</b> Treat for surrounding material. Powder, water spray, foam, carbon dioxide.
<b>Unsuitable Extinguishing Media:</b> Not available.
SPECIAL HAZARDS ARISING FROM THE CHEMICAL
<b>Products of Combustion:</b> May include, and are not limited to: oxides of carbon.
<b>Explosion Data:</b> <b>Sensitivity to Mechanical Impact:</b> Not available. <b>Sensitivity to Static Discharge:</b> Not available.
SPECIAL PROTECTIVE EQUIPMENT AND PRECAUTIONS FOR FIRE FIGHTERS
Keep upwind of fire. Wear full fire-fighting turn-out gear (full Bunker gear) and respiratory protection (SCBA).

## SECTION 6: ACCIDENTAL RELEASE MEASURES

### PERSONAL PRECAUTIONS, PROTECTIVE EQUIPMENT AND EMERGENCY PROCEDURES

Use personal protection recommended in Section 8. Isolate the hazard area and deny entry to unnecessary and unprotected personnel.

### METHODS AND MATERIALS FOR CONTAINMENT AND CLEAN - UP

**Methods for Containment:** Contain spill with inert material (sand, vermiculite, etc.) and place in a suitable container. Do not flush to sewer or allow material to enter waterways. Use appropriate Personal Protective Equipment (PPE).

**Methods for Cleaning-Up:** Vacuum or sweep material and place in a disposal container. Provide adequate ventilation.

## SECTION 7: HANDLING AND STORAGE

### PRECAUTIONS FOR SAFE HANDLING

**Handling:** Avoid contact with skin and eyes. Do not swallow. Good housekeeping is important to prevent accumulation of dust. Avoid generating dust. The use of compressed air for cleaning clothing, equipment, etc., is not recommended. Use only in well-ventilated areas. Handle and open container with care. Do not eat or drink when using. Wash hands before eating, drinking, or smoking. (See section 8)

**General Hygiene Advice:** Launder contaminated clothing before reuse. Wash hands before eating, drinking, or smoking.

### CONDITIONS FOR SAFE STORAGE, INCLUDING ANY INCOMPATIBILITIES

**Storage:** Keep out of the reach of children. Store in dust-tight, dry, labeled containers. Keep containers closed when not in use. Avoid any dust buildup by frequent cleaning and suitable construction of the storage area. Do not store in an area equipped with emergency water sprinklers. Use corrosion-resistant structural materials and lighting and ventilation systems in the storage area. (See section 10)

## SECTION 8: EXPOSURE CONTROLS/PERSONAL PROTECTION

### CONTROL PARAMETERS

#### Exposure Guidelines

Ingredient	Occupational Exposure Limits	
	OSHA-PEL	ACGIH-TLV
Silica, crystalline, quartz	((10 mg/m <sup>3</sup> )/(%SiO <sub>2</sub> +2) TWA (resp)) ((30 mg/m <sup>3</sup> )/(%SiO <sub>2</sub> +2) TWA (total)) ((250)/(%SiO <sub>2</sub> +5)	0.025 mg/m <sup>3</sup>
Portland cement	15 mg/m <sup>3</sup> (total); 5 mg/m <sup>3</sup> (resp)	1 mg/m <sup>3</sup> (no asbestos and <1% crystalline silica, respirable fraction)
Limestone	250 mppcf; 0.1 mg/m <sup>3</sup> TWA	2 mg/m <sup>3</sup> TWA
Titanium Dioxide	15 mg/m <sup>3</sup> (total dust)	10 mg/m <sup>3</sup>
Calcium carbonate	15 mg/m <sup>3</sup> (total); 5 mg/m <sup>3</sup> (resp)	10 mg/m <sup>3</sup>

### EXPOSURE CONTROLS

**Engineering Controls:** Use adequate ventilation to keep exposures (airborne levels of dust, fume, vapor, etc.) below recommended exposure limits.

### INDIVIDUAL PROTECTIVE MEASURES

#### Personal Protective Equipment:

**Eye/Face Protection:** Wear approved eye (properly fitted dust- or splash-proof chemical safety goggles) / face (face shield) protection.

#### Skin Protection:

**Hand Protection:** Wear suitable gloves.

**Body Protection:** Wear suitable protective clothing.

**Respiratory Protection:** A NIOSH approved dust mask or filtering facepiece is recommended in poorly ventilated areas or when permissible exposure limits may be exceeded. Respirators should be selected by and used under the direction of a trained health and safety professional following requirements found in OSHA's respirator standard (29 CFR 1910.134) and ANSI's standard for respiratory protection (Z88.2).

**General Health and Safety Measures:** Handle according to established industrial hygiene and safety practices.

## SECTION 9: PHYSICAL AND CHEMICAL PROPERTIES

<b>Appearance</b>	Powder
<b>Color</b>	White to off-white
<b>Odor</b>	Not Available
<b>Odor Threshold</b>	Not Available
<b>Physical State</b>	Solid
<b>pH</b>	Not Available
<b>Melting Point/Freezing Point</b>	Not Available
<b>Initial Boiling Point and Boiling Range</b>	Not Available
<b>Flash Point</b>	Not Available
<b>Evaporation Rate</b>	Not Available
<b>Flammability</b>	Not Flammable
<b>Lower Flammability/Explosive Limit</b>	Not Available
<b>Upper Flammability/Explosive Limit</b>	Not Available
<b>Vapor Pressure</b>	Not Available
<b>Vapor Density</b>	Not Available
<b>Relative Density/Specific Gravity</b>	2.5 to 2.7
<b>Solubility</b>	Partial
<b>Partition coefficient: n-octanol/water</b>	Not Available
<b>Auto-Ignition Temperature</b>	Not Available
<b>Decomposition Temperature</b>	Not Available
<b>Viscosity</b>	Not Available
<b>Oxidizing Properties</b>	Not Available
<b>Explosive Properties</b>	Not Available

## SECTION 10: STABILITY AND REACTIVITY

<b>REACTIVITY</b>
No dangerous reaction known under conditions of normal use.
<b>CHEMICAL STABILITY</b>
Stable under normal storage conditions. Keep dry in storage.
<b>POSSIBILITY OF HAZARDOUS REACTIONS</b>
No dangerous reaction known under conditions of normal use.
<b>CONDITIONS TO AVOID</b>
Heat. Incompatible materials. Moisture.
<b>INCOMPATIBLE MATERIALS</b>
Acids. Ammonium salts. Aluminum. Alkalis.
<b>HAZARDOUS DECOMPOSITION PRODUCTS</b>
May include, and are not limited to: oxides of carbon.

## SECTION 11: TOXICOLOGICAL INFORMATION

### INFORMATION ON TOXICOLOGICAL EFFECTS

**Likely Routes of Exposure:** Skin contact, skin absorption, eye contact, inhalation, and ingestion.

**Symptoms related to physical/chemical/toxicological characteristics:**

**Eye:** Causes serious eye damage. Symptoms may include discomfort or pain, excess blinking and tear production, with marked redness and swelling of the conjunctiva. May cause burns in the presence of moisture.

**Skin:** Causes skin irritation. May cause burns in the presence of moisture. Skin contact during hydration may slowly develop sufficient heat that may cause severe burns possibly resulting in permanent injury. Do not allow product to harden around any body part or allow continuous, prolonged contact with skin. Handling can cause dry skin. May cause sensitization by skin contact.

**Inhalation:** May cause respiratory tract irritation.

**Ingestion:** May be harmful if swallowed. May cause stomach distress, nausea or vomiting.

**Acute Toxicity:**

Ingredient	LC50	LD50
Silica, crystalline, quartz	Not available.	Oral 500 mg/kg, rat
Portland Cement	Not available.	Not available.
Limestone	Not available.	Oral 500 mg/kg, rat
Titanium Dioxide	Not available.	Oral >10000 mg/kg, rat
Calcium Carbonate	Not available.	Oral 6450 mg/kg, rat

**Calculated overall Chemical Acute Toxicity Values**

LC50 (inhalation)	LD50 (oral)	LD50 (dermal)
Not available.	Not available.	Not available.

Ingredient	Chemical Listed as Carcinogen or Potential Carcinogen (NTP, IARC, OSHA, ACGIH, CP65)*
Silica, crystalline, quartz	G-A2, I-1, N-1, O, CP65
Portland Cement	G-A4
Limestone	KHC, 100C-68-1, A2
Titanium Dioxide	G-A4, I-2B, CP65
Calcium Carbonate	Not listed.

(\* See Section 15)

### DELAYED, IMMEDIATE, AND CHRONIC EFFECTS OF SHORT-TERM AND LONG-TERM EXPOSURE

**Skin Corrosion/Irritation:** Causes skin irritation.

**Serious Eye Damage/Irritation:** Causes serious eye damage.

**Respiratory Sensitization:** Based on available data, the classification criteria are not met.

**Skin Sensitization:** May cause an allergic skin reaction.

**STOT-Single Exposure:** May cause respiratory irritation.

**Chronic Health Effects:**

**Carcinogenicity:** May cause cancer.

**Germ Cell Mutagenicity:** This product is not classified as a mutagen.

**Reproductive Toxicity:**

**Developmental:** Based on available data, the classification criteria are not met.

**Teratogenicity:** Not hazardous by WHMIS/OSHA criteria.

**Embryotoxicity:** Not hazardous by WHMIS/OSHA criteria.

**Fertility:** Based on available data, the classification criteria are not met.

**STOT-Repeated Exposure:** Causes damage to organs through prolonged or repeated exposure.

**Aspiration Hazard:** Based on available data, the classification criteria are not met.

**Toxicologically Synergistic Materials:** Not available.

**Other Information:** Not available.

## SECTION 12: ECOLOGICAL INFORMATION

### ECOTOXICITY

**Acute/Chronic Toxicity:** May cause long-term adverse effects in the aquatic environment.

### PERSISTENCE AND DEGRADABILITY

Not available.

### BIOACCUMULATIVE POTENTIAL

**Bioaccumulation:** Not available.

### MOBILITY IN SOIL

Not available.

### OTHER ADVERSE EFFECTS

Not available.

## SECTION 13: DISPOSAL CONSIDERATIONS

### WASTE TREATMENT METHODS

**Disposal Method:** This material must be disposed of in accordance with all local, state, provincial, and federal regulations.

**Other Disposal Recommendations:** Not available

## SECTION 14: TRANSPORT INFORMATION

### UN NUMBER

Not regulated.

### UN PROPER SHIPPING NAME

Not applicable.

### TRANSPORT HAZARD CLASS (ES)

Not applicable.

### ENVIRONMENTAL HAZARDS

Not available.

### SPECIAL PRECAUTIONS

Do not handle until all safety precautions have been read and understood.

## SECTION 15: REGULATORY INFORMATION

### SAFETY, HEALTH AND ENVIRONMENTAL REGULATIONS/ LEGISLATIONS SPECIFIC FOR THE CHEMICAL

MSDS prepared pursuant to the Hazard Communication Standard (CFR29 1910.1200) HazCom 2012

#### SARA Title III

Ingredient	Section 302 (EHS) TPO (lb.)	Section 304 EHS RO (lb.)	CERCLA RO (lb.)	Section 313
Silica, crystalline, quartz	Not listed.	Not listed.	Not listed.	Not listed.
Portland Cement	Not listed.	Not listed.	Not listed.	Not listed.
Magnesium Oxide	Not listed.	Not listed.	Not listed.	Not listed.
Titanium Dioxide	Not listed.	Not listed.	Not listed.	Not listed.
Calcium Carbonate	Not listed.	Not listed.	Not listed.	Not listed.

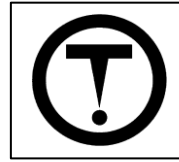
**California Proposition 65:** This product contains a chemical known to the state of California to cause cancer.

### WHMIS Classification(s):

Class D2A – Carcinogenicity Class  
D2A - Chronic Toxic Effects Class  
D2B - Skin/Eye Irritant Class E –  
Corrosive Material

**TSCA:**

Ingredient	USA TSCA LISTED
Silica, crystalline, quartz	Yes.
Portland Cement	Yes.
Magnesium Oxide	Yes.
Titanium Dioxide	Yes.
Calcium Carbonate	Yes.

**WHMIS Hazard Symbols:**

NFPA National Fire Protection Association	
Health:	1
Fire:	0
Reactivity:	0

HMIS-Hazardous Materials Identification System	
Health:	2*
Fire:	0
Reactivity:	0

**Hazard Rating:** 0 = minimal, 1 = slight, 2 = moderate, 3 = severe, 4 = extreme

**\* SOURCE AGENCY CARCINOGEN CLASSIFICATIONS:**

**CP65**                      **California Proposition 65**

**OSHA (O)**                **Occupational Safety and Health Administration.**

**ACGIH (G)**              **American Conference of Governmental Industrial Hygienists.**

- A1 - Confirmed human carcinogen.
- A2 - Suspected human carcinogen.
- A3 - Animal carcinogen.
- A4 - Not classifiable as a human carcinogen.
- A5 - Not suspected as a human carcinogen.

**IARC (I)**                 **International Agency for Research on Cancer.**

- 1 - The agent (mixture) is carcinogenic to humans.
- 2A - The agent (mixture) is probably carcinogenic to humans; there is limited evidence of carcinogenicity in humans and sufficient evidence of carcinogenicity in experimental animals.
- 2B - The agent (mixture) is possibly carcinogenic to humans; there is limited evidence of carcinogenicity in humans in the absence of sufficient evidence of carcinogenicity in experimental animals.
- 3 - The agent (mixture, exposure circumstance) is not classifiable as to its carcinogenicity to humans.
- 4 - The agent (mixture, exposure circumstance) is probably not carcinogenic to humans.

**NTP (N)**                 **National Toxicology Program.**

- 1 - Known to be carcinogens.
- 2 - Reasonably anticipated to be carcinogens.

**SECTION 16: OTHER INFORMATION**

<b>Date of Preparation:</b>	May 8, 2015
<b>Version:</b>	Initial Issue
<b>Revision Date:</b>	
<b>Prepared by:</b>	Melanie Mitz

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# MATERIAL SAFETY DATA SHEET

## E-Z PATCH® Acrylic Bonder & Admixture

### SECTION 1: PRODUCT AND COMPANY IDENTIFICATION

<b>Product Name:</b> E-Z PATCH® (Liquid Acrylic Bonder)	<b>Product Use:</b> Pool Repair Material
<b>Manufacturer's Name:</b> E-Z Products	<b>Emergency Telephone:</b> 888-439-7282 or 480-439-7282
<b>Address:</b> 32449 N. 66 <sup>th</sup> St, Cave Creek, AZ 85331	<b>Telephone Number:</b> 480-439-4282
<b>Date Prepared:</b> May, 2015	<b>Date Updated:</b> May 6, 2015

### SECTION 2: HAZARDS IDENTIFICATION

#### HAZARD CLASSIFICATION

According to Regulation 2012 OSHA Hazard Communication Standard; 29 CFR Part 1910.1200

#### Classification of the product

No need for classification according to GHS criteria for this product.

#### LABEL ELEMENTS

#### Emergency Overview

The product does not require a hazard warning label in accordance with GHS criteria.

#### ADDITIONAL INFORMATION

#### Hazards not otherwise classified:

If applicable information is provided in this section on other hazards which do not result in classification but which may contribute to the overall hazards of the substance or mixture.

#### Emergency Overview

According to Regulation 1994 OSHA Communication Standard; 29 CFR Part 1910.1200

#### CAUTION

NO PARTICULAR HAZARDS KNOWN.

Keep container tightly closed.

Avoid ingestion.

Avoid contact with the skin, eyes and clothing.

Wash thoroughly after handling.



**SECTION 3: COMPOSITION / INFORMATION ON INGREDIENTS**

**According to Regulation 2012 Hazard Communication Standard; 29 CFR Part 1910.1200**

This product is not recognized as hazardous under 2012 OSHA Hazard Communication Standard; 29 CFR Part 1910.1200

**According to Regulation 2012 Hazard Communication Standard; 29 CFR Part 1910.1200**

<u>CAS Number</u>	<u>Content (W/W)</u>	<u>Chemical Name</u>
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**SECTION 4: FIRST-AID MEASURES**

**DESCRIPTION OF THE FIRST AID MEASURE**

**General Advice:** Remove contaminated clothing.

**If inhaled:** Keep patient calm, remove to fresh air.

**If on skin:** Wash thoroughly with soap and water

**If in eyes:** Wash affected eyes for at least 15 minutes under running water with eyelids held open.

**If swallowed:** Rinse mouth and then drink plenty of water.

**IMPORTANT SYMPTOMS AND EFFECTS, BOTH ACUTE AND DELAYED**

Symptoms: The most important known symptoms and effects are described in the labeling (see section 2) and/or section 11.

Hazards: No applicable information available

**INDICATION OF IMMEDIATE MEDICAL ATTENTION AND SPECIAL TREATMENTS NEEDED**

**Note to Physicians:**

**Specific Treatments:** Symptomatic treatment (decontamination, vital functions).

**SECTION 5 – FIRE-FIGHTING MEASURES**

**FLAMMABILITY**

**Flammability:** No applicable information available

**EXTINGUISHING MEDIA**

**Suitable Extinguishing Media:** Foam, Water Spray, Dry Powder, Carbon Dioxide

**Unsuitable Extinguishing Media:** Water Jet

**SPECIAL HAZARDS ARISING FROM THE CHEMICAL**

**Hazards during Fire Fighting:** Carbon Dioxide, Carbon Monoxide, Harmful Vapors, Nitrogen Oxides, Fumes/Smoke, Carbon Black

**Explosion Data: Sensitivity to Mechanical Impact:** Not available.

**Sensitivity to Static Discharge:** Not available.

**SPECIAL PROTECTIVE EQUIPMENT AND PRECAUTIONS FOR FIRE FIGHTERS**

Protective equipment for fire-fighting; wear a self-contained breathing apparatus. The degree of risk is governed by the burning substance and the fire conditions. If exposed to fire, keep containers cool by spraying with water. Collect contaminated extinguishing water separately, do not allow to reach sewage or effluent systems. Contaminated extinguishing water must be disposed of in accordance with official regulations.

## POOL PATCH MATERIAL SAFETY DATA SHEET

### SECTION 6: ACCIDENTAL RELEASE MEASURES

#### PERSONAL PRECAUTIONS, PROTECTIVE EQUIPMENT AND EMERGENCY PROCEDURES

Do not breathe vapor/aerosol/spray mists. Wear eye/face protection. If exposed to high vapor concentration, leave area immediately. Use personal protective clothing. Handle in accordance with good building materials hygiene and safety practice.

**Environmental Precautions:** Contain contaminated water/firefighting water. Do not discharge into drains/surface waters/groundwater

#### METHODS AND MATERIALS FOR CONTAINMENT AND CLEAN - UP

**For Small Amounts:** Pick up with inert absorbent material (e.g. sand, earth, etc.) Dispose of contaminated material as prescribed.

**For Large Amounts:** Pump off product.

### SECTION 7: HANDLING AND STORAGE

#### PRECAUTIONS FOR SAFE HANDLING

**Handling:** Avoid aerosol formation. Avoid inhalation of mists/vapors. Avoid skin contact. No special measures necessary provided the product is used correctly.

#### CONDITIONS FOR SAFE STORAGE, INCLUDING ANY INCOMPATIBILITIES

**Further information on storage conditions:** Keep only in the original container in a cool, dry, well-ventilated place away from ignition sources, heat or flame. Protect from direct sunlight.

**Temperature:** Protect the product from below 5 degree Celsius and 40 degree Fahrenheit

### SECTION 8: EXPOSURE CONTROLS/PERSONAL PROTECTION

#### CONTROL PARAMETERS

#### EXPOSURE CONTROLS

**Engineering Controls:** No applicable information available

#### INDIVIDUAL PROTECTIVE MEASURES

##### Personal Protective Equipment:

**Respiratory Protection:** Wear respiratory protection if ventilation is inadequate.

**Hand Protection:** Wear chemical resistant protective gloves. Manufacturer's directions for use should be observed because of great diversity of types.

**Eye Protection:** Safety glasses with side-shields

**Body Protection:** Light protective clothing

**General Safety and Hygiene measures:** Do not inhale gases/vapors/aerosols. Avoid contact with the skin, eyes and clothing. Avoid exposure – obtain special instruction before use. Handle in accordance with good buildings materials hygiene and safety practices. Wearing of closed work clothing is recommended. When using, do not eat, drink or smoke. Hands and/or face should be washed before breaks and at the end of the shift. At the end of the shift skin should be cleaned and skin care agents applied. Gloves must be inspected regularly and prior to each use. Replace if necessary.

**POOL PATCH MATERIAL SAFETY DATA SHEET**

**SECTION 9: PHYSICAL AND CHEMICAL PROPERTIES**

<b>Appearance</b>	Liquid
<b>Color</b>	White
<b>Odor</b>	Ammonia like
<b>Odor Threshold</b>	No data available
<b>Physical State</b>	Liquid
<b>pH</b>	10 (21° C)
<b>Melting Point/Freezing Point</b>	No applicable information
<b>Initial Boiling Point and Boiling Range</b>	100° C
<b>Flash Point</b>	Determination is unnecessary due to the high water content
<b>Evaporation Rate</b>	Not Available
<b>Flammability</b>	No applicable information available
<b>Lower Flammability/Explosive Limit</b>	No applicable information available
<b>Upper Flammability/Explosive Limit</b>	No applicable information available
<b>Vapor Pressure</b>	No applicable information available
<b>Vapor Density</b>	Heavier than air
<b>Relative Density/Specific Gravity</b>	1.03 g/cm <sup>3</sup>
<b>Solubility</b>	Partial
<b>Partition coefficient: n-octanol/water</b>	Not Available
<b>Auto-Ignition Temperature</b>	Not Available
<b>Decomposition Temperature</b>	Not Available
<b>Viscosity</b>	Approx. 30 mPa.s (20° C)
<b>Oxidizing Properties</b>	Not Available
<b>Explosive Properties</b>	Not Available

**SECTION 10: STABILITY AND REACTIVITY**

<b>REACTIVITY</b>
No dangerous reaction known under conditions of normal use.
<b>CHEMICAL STABILITY</b>
The product is stable if stored and handled as prescribed/indicated.
<b>POSSIBILITY OF HAZARDOUS REACTIONS</b>
The product is stable if stored and handled as prescribed/indicated
<b>CONDITIONS TO AVOID</b>
See MSDS Section 7 – Handling and Storage
<b>INCOMPATIBLE MATERIALS</b>
Avoid: Strong Acids, Strong Bases, Strong Oxidizing Agents, Strong Reducing Agents
<b>HAZARDOUS DECOMPOSITION PRODUCTS</b>
No hazardous decomposition products if stored and handled as prescribed/indicated.

SECTION 11: TOXICOLOGICAL INFORMATION

**INFORMATION ON TOXICOLOGICAL EFFECTS**

**Likely Routes of Exposure:** Routes of entry for solids and liquids are ingestion and inhalation, but may include eye or skin contact. Routes of entry for gases include inhalation and eye contact. Skin contact may be a route for entry of liquefied gases.

**Symptoms related to physical/chemical/toxicological characteristics:**

**Eye:** Causes serious eye damage. Symptoms may include discomfort or pain, excess blinking and tear production, with marked redness and swelling of the conjunctiva. May cause burns in the presence of moisture.

**Skin:** Causes skin irritation. May cause burns in the presence of moisture. Skin contact during hydration may slowly develop sufficient heat that may cause severe burns possibly resulting in permanent injury. Do not allow product to harden around any body part or allow continuous, prolonged contact with skin. Handling can cause dry skin. May cause sensitization by skin contact.

**Inhalation:** May cause respiratory tract irritation.

**Ingestion:** May be harmful if swallowed. May cause stomach distress, nausea or vomiting.

**Acute Toxicity:**

**Oral:** No applicable information available.

**Inhalation:** No applicable information available.

**Dermal:** No applicable information available.

**DELAYED, IMMEDIATE, AND CHRONIC EFFECTS OF SHORT-TERM AND LONG-TERM EXPOSURE**

**Repeated Dose Toxicity:** Assessment of repeated dose toxicity: No reliable data was available concerning repeated dose toxicity. Based on available data, the classification criteria were not met.

**Genetic Toxicity:** Assessment of Mutagenicity: The chemical structure does not suggest a specific alert for such an effect. Based on available Data, the classification criteria were not met.

**Carcinogenicity:** Assessment of Carcinogenicity: The chemical structure does not suggest a specific alert for such an effect. Based on available Data, the classification criteria were not met.

**Reproductive Toxicity:** Assessment of Reproductive Toxicity: The chemical structure does not suggest a specific alert for such an effect. Based on available Data, the classification criteria were not met.

**Teratogenicity:** Assessment of Teratogenicity: The chemical structure does not suggest a specific alert for such an effect. Based on available Data, the classification criteria were not met.

**Other Information:** The product has not been tested. The statement has been derived from the properties of the individual components.

**SYMPTOMS OF EXPOSURE:** The most important known symptoms and effects are described in the labeling process (see section 2) and/or section 11.

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**SECTION 12: ECOLOGICAL INFORMATION**

**ECOTOXICITY**

**Aquatic Toxicity:** Assessment of Aquatic Toxicity: Based on available Data, the classification criteria are not met. There is a high probability that the product is not acutely harmful to aquatic organisms.

**PERSISTENCE AND DEGRADABILITY**

**Assessment Biodegradation and Elimination (H2O):** Inherently biodegradable. The insoluble fraction can be removed by mechanical means in suitable waste water treatment plants. The polymer component of the product is poorly biodegradable.

**BIOACCUMULATIVE POTENTIAL**

**Assessment Bioaccumulation Potential:** Discharge into the environment must be avoided

**MOBILITY IN SOIL**

Assessment transport between environmental compartments: No data available.

**OTHER ADVERSE EFFECTS**

Other Ecotoxicological advice: Ecological Data are not available. Do not allow to enter soil, waterways or waste water channels.

**SECTION 13: DISPOSAL CONSIDERATIONS**

**Waste Disposal of Substance:** Dispose of in accordance with national, state and local regulations. Residues should be disposed of in the same manner as the substance/product. Do not discharge into drains/surface.

**Container Disposal:** Contaminated packaging should be emptied as far as possible; then it can be passed on for recycling after being thoroughly cleaned.

**SECTION 14: TRANSPORT INFORMATION**

**LAND TRANSPORT**

USDOT – Not classified as a dangerous good under transport regulations

**SEA TRANSPORT**

IMDG – Not classified as a dangerous good under transport regulations

**AIR TRANSPORT**

IATA/ICAO – Not classified as a dangerous good under transport regulations

**ENVIRONMENTAL HAZARDS**

Not available.

**SPECIAL PRECAUTIONS**

Do not handle until all safety precautions have been read and understood.

**SECTION 15: REGULATORY INFORMATION**

**SAFETY, HEALTH AND ENVIRONMENTAL REGULATIONS/ LEGISLATIONS SPECIFIC FOR THE CHEMICAL**

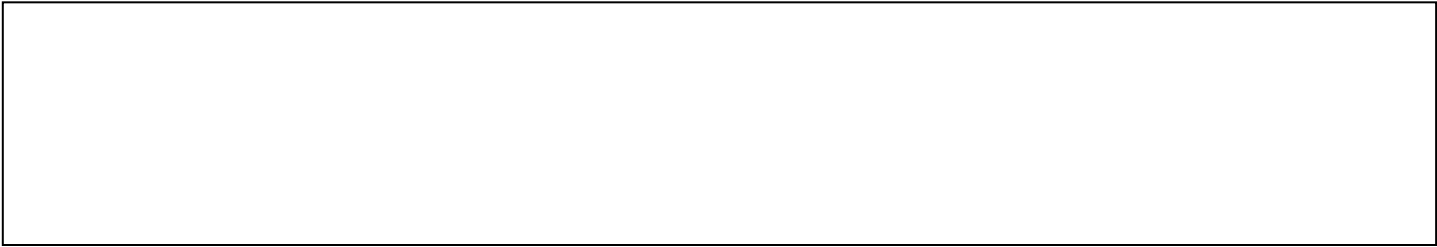
MSDS prepared pursuant to the Hazard Communication Standard (CFR29 1910.1200) HazCom 2012

**Registration Status – Chemical** TSCA US releases/listed

**EPCRA 311/312 (Hazard Categories):** Not Hazardous

**California Proposition 65:** This product contains a chemical known to the state of California to cause cancer.

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**SECTION 16: OTHER INFORMATION**

<b>Date of Preparation:</b>	May 7, 2015
<b>Version:</b>	Initial Issue
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<b>Prepared by:</b>	Melanie Mitz
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