

SAFETY DATA SHEET

Liquid P.V.A. Bonder

SECTION 1: PRODUCT AND COMPANY IDENTIFICATION

Product Name: E-Z PATCH® (Liquid P.V.A. Bonder)	Product Use: Pool Repair Material
Manufacturer's Name: E-Z Products	Emergency Telephone: 888-439-7282
Address: 32449 N. 66 th St, Cave Creek, AZ 85331	Telephone Number: 480-439-3213
Date Prepared: May, 2015	Date Updated: May 13, 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

<u>MATERIAL</u>	<u>CAS #</u>	<u>WEIGHT</u>
Ammonia	7664-41-7	<0.2%

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

SECTION 4: FIRST-AID MEASURES

DESCRIPTION OF THE FIRST AID MEASURE
<p>General Advice: Remove contaminated clothing.</p> <p>If inhaled: Keep patient calm, remove to fresh air.</p> <p>If on skin: Wash thoroughly with soap and water</p> <p>If in eyes: Wash affected eyes for at least 15 minutes under running water with eyelids held open.</p> <p>If swallowed: Rinse mouth and then drink plenty of water.</p>
IMPORTANT SYMPTOMS AND EFFECTS, BOTH ACUTE AND DELAYED
<p>Symptoms: The most important known symptoms and effects are described in the labeling (see section 2) and/or section 11.</p> <p>Hazards: No applicable information available</p>
INDICATION OF IMMEDIATE MEDICAL ATTENTION AND SPECIAL TREATMENTS NEEDED
<p>Note to Physicians:</p> <p>Specific Treatments: Symptomatic treatment (decontamination, vital functions).</p>

SECTION 5 – FIRE-FIGHTING MEASURES

FLAMMABILITY
<p>Flammability: No applicable information available</p>
EXTINGUISHING MEDIA
<p>Suitable Extinguishing Media: Foam, Water Spray, Dry Powder, Carbon Dioxide</p> <p>Unsuitable Extinguishing Media: Water Jet</p>
SPECIAL HAZARDS ARISING FROM THE CHEMICAL
<p>Hazards during Fire Fighting: Carbon Dioxide, Carbon Monoxide, Harmful Vapors, Nitrogen Oxides, Fumes/Smoke, Carbon Black</p> <p>Explosion Data: Sensitivity to Mechanical Impact: Not available. Sensitivity to Static Discharge: Not available.</p>
SPECIAL PROTECTIVE EQUIPMENT AND PRECAUTIONS FOR FIRE FIGHTERS
<p>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.</p>

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

<u>Ingredient</u>	<u>OSHA-PEL</u>	<u>ACGIH-TLV</u>
Ammonia	35 mg/m ³	18mg/m ³ -TWA 27mg/m ³ -STEL

Not a hazardous material as defined in title 29 CFR parts 1900-1910

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.

SECTION 9: PHYSICAL AND CHEMICAL PROPERTIES

Appearance	Liquid
Color	White
Odor	Ammonia like
Odor Threshold	No data available
Physical State	Liquid
pH	10 (21°C)
Melting Point/Freezing Point	32 F
Initial Boiling Point and Boiling Range	100° C
Flash Point	Determination is unnecessary due to the high water content
Evaporation Rate	Not Available
Flammability	No applicable information available
Lower Flammability/Explosive Limit	No applicable information available
Upper Flammability/Explosive Limit	No applicable information available
Vapor Pressure	No applicable information available
Vapor Density	Heavier than air
Relative Density/Specific Gravity	1.03 g/cm ³
Solubility	Partial
Partition coefficient: n-octanol/water	Not Available
Auto-Ignition Temperature	Not Available
Decomposition Temperature	Not Available
Viscosity	Approx. 30 mPa.s (20°C)
Oxidizing Properties	Not Available
Explosive Properties	Not Available

SECTION 10: STABILITY AND REACTIVITY

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

SECTION 11: TOXICOLOGICAL INFORMATION

INFORMATION ON TOXICOLOGICAL EFFECTS

<u>Ingredient</u>	<u>LC50</u>	<u>LD50</u>
Ammonia	7338-11590 (rat, 1 hour) 2000 ppm (rat, 4 hours)	Not applicable

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.

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 Eco toxicological 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

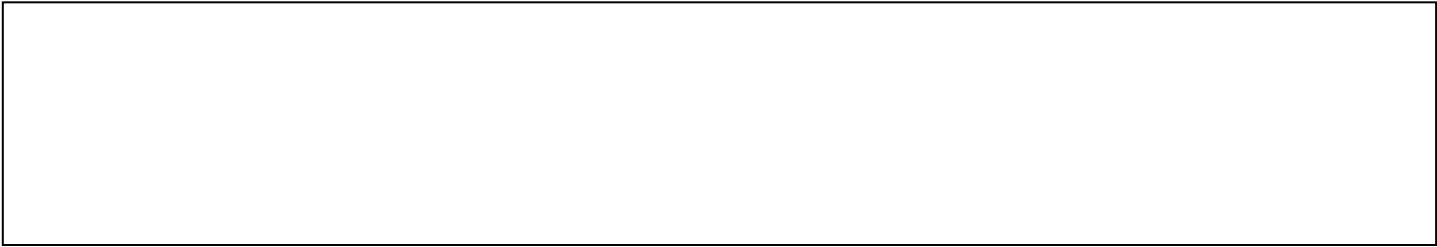
SAFETY, HEALTH AND ENVIRONMENTAL REGULATIONS/ LEGISLATIONS SPECIFIC FOR THE CHEMICAL

SDS 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.



SECTION 16: OTHER INFORMATION

Date of Preparation:	May 13, 2015
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Prepared by:	Melanie Mitz

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