Section 1 - PRODUCT AND COMPANY IDENTIFICATION

Material Name: HydroBond PVC Bonding Adhesive

Synonyms: Water Based Bonding Adhesive

Chemical Family: Adhesive

Product Use: Bonding Adhesive for PVC Single-Ply Roofing Membrane

Restrictions on Use: For industrial use only.

Manufacturer Information
Weatherbond
P.O. Box 215
Plainfield, PA 17081
USA
Phone: +1-866-471-5125
Emergency Phone #: +1-800-424-9300 (CHEMTREC)

Section 2 - HAZARDS IDENTIFICATION

Classification in accordance with paragraph (d) of 29 CFR 1910.1200.
Flammable Liquids - Category 3
Skin Sensitization - Category 1
Reproductive Toxicity - Category 1B
Specific Target Organ Systemic Toxicity - Single Exposure - Category 1
Specific Target Organ Systemic Toxicity - Repeated Exposure - Category 2 (Inhalation)

GHS Label Elements

Symbol(s)

Signal Word
Danger

Hazard Statement(s)
H226 Highly flammable liquid and vapor
H317 May cause allergic skin reaction
Safety Data Sheet

Material Name: HydroBond PVC Bonding Adhesive
Product #: 322112

H360 May damage fertility or the unborn child
H370 Causes damage to organs
H373 May cause damage to organs through prolonged or repeated exposure if inhaled

Precautionary Statement(s)

Prevention
P201 Obtain special instructions before use
P202 Do not handle until all safety precautions have been read and understood
P210 Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking
P233 Keep container tightly closed
P240 Ground/Bond container and receiving equipment
P241 Use explosion-proof electrical/ventilating/lighting equipment
P242 Use non-sparking tools
P243 Take precautionary measures against static discharge
P260 Do not breathe dust/fume/gas/mist/vapors/spray
P264 Wash skin thoroughly after handling
P270 Do not eat, drink or smoke when using this product
P272 Contaminated work clothing should not be allowed out of the workplace
P280 Wear protective gloves/protective clothing/eye protection/face protection
P281 Use Personal Protective equipment as required

Response
P303 + P361 + P353 IF ON SKIN (or hair): Remove/ Take off immediately all contaminated clothing. Rinse skin with water/shower.
P307 + P311 If exposed: Call a POISON CENTER or doctor/physician
P333 + P313 If skin irritation or rash occurs, get medical advice/attention
P363 Wash contaminated clothing before reuse.
P370 + P378 In case of fire: Use dry sand, dry chemical or alcohol-resistant foam for extinction.

Storage
P403 + P235 Store in a well-ventilated place. Keep cool
P405 Store locked up

Disposal
P501 Dispose of contents/ container to an approved waste disposal plant

Warning:
Reports have associated repeated and prolonged exposure to some of the chemicals in this product with permanent brain, liver, kidney and nervous system damage. Intentional misuse by deliberate concentration and inhalation of vapors may be harmful or fatal.

See Section 11 for more detailed information on health effects and symptoms.

Section 3 - COMPOSITION / INFORMATION ON INGREDIENTS

<table>
<thead>
<tr>
<th>CAS</th>
<th>Component Name</th>
<th>Percent</th>
</tr>
</thead>
</table>

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Issue date: 2015-03-15  Revision 1.0  Print date: 2018-01-29
Material Name: HydroBond PVC Bonding Adhesive
Product #: 322112

<table>
<thead>
<tr>
<th>Code</th>
<th>Compound</th>
<th>Concentration</th>
</tr>
</thead>
<tbody>
<tr>
<td>108-88-3</td>
<td>Toluene</td>
<td>&gt;=5,&lt;10</td>
</tr>
<tr>
<td>67-56-1</td>
<td>Methanol</td>
<td>&gt;=2,&lt;5</td>
</tr>
<tr>
<td>84-74-2</td>
<td>Dibutylphthalate</td>
<td>&gt;=0,&lt;1</td>
</tr>
<tr>
<td>2634-33-5</td>
<td>1,2-benzisothiazol-3(2H)-one</td>
<td>&gt;=0,&lt;1</td>
</tr>
</tbody>
</table>

There are no additional ingredients present which, within the current knowledge of the supplier and in the concentrations applicable, are classified as hazardous to health or the environment and hence require reporting in this section.

### Section 4 - FIRST AID MEASURES

**Inhalation**
Remove person to fresh air and keep comfortable for breathing. Call a POISON CENTER or doctor/physician if you feel unwell.

**Skin**
Remove/take off immediately all contaminated clothing. Wash off with soap and plenty of water. If skin irritation occurs: Get medical advice/attention.

**Eyes**
IF IN EYES: Rinse cautiously with water for 15 minutes. Remove contact lenses, if present and easy to do. Continue rinsing. If eye irritation persists, get medical advice/attention.

**Ingestion**
Clean mouth with water and drink afterwards plenty of water. Do not give milk or alcoholic beverages. Never give anything by mouth to an unconscious person. Obtain medical attention.

**Most Important Symptoms/Effects**

**Acute/ Delayed**
Allergic reactions See Section 11 for more detailed information on health effects and symptoms sensitizing effects toxic effects for reproduction.

**Protection of first-aiders**: Move out of dangerous area. Consult a physician. Show this safety data sheet to the doctor in attendance.

**Note to Physicians**
If adverse effects occur, treat symptomatically and supportively.

### Section 5 - FIRE FIGHTING MEASURES
Environmental Precautions
Prevent product from entering drains. If the product contaminates rivers and lakes or drains inform respective authorities. Local authorities should be advised if significant spillages cannot be contained.

Section 7 - HANDLING AND STORAGE

Precautions for Safe Handling
Do not breathe vapors or spray mist. Avoid exceeding the given occupational exposure limits (see section 8). Do not get in eyes, on skin, or on clothing. For personal protection see section 8.

Persons with a history of skin sensitization problems or asthma, allergies, chronic or recurrent respiratory disease should not be employed in any process in which this mixture is being used. Smoking, eating and drinking should be prohibited in the application area. Take precautionary measures against static discharge. Open drum carefully as content may be under pressure. Pregnant women or women of child bearing age should not be exposed to this product. Take necessary action to avoid static electricity.
discharge (which might cause ignition of organic vapors). Follow standard hygiene measures when handling chemical products.

Conditions for Safe Storage, Including any Incompatibilities
Store in original container. Keep in a well-ventilated place. Containers which are opened must be carefully resealed and kept upright to prevent leakage. Observe label precautions. Store in accordance with local regulations.

Materials to Avoid:
No data available

Section 8 - EXPOSURE CONTROLS / PERSONAL PROTECTION

<table>
<thead>
<tr>
<th>Component</th>
<th>CAS #</th>
<th>Basis/ Value/Exposure Limits</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>Toluene</strong></td>
<td></td>
<td></td>
</tr>
<tr>
<td></td>
<td>108-88-3</td>
<td></td>
</tr>
<tr>
<td></td>
<td>ACGIH</td>
<td>20 ppm TWA</td>
</tr>
<tr>
<td></td>
<td>OSHA Z-2</td>
<td>200 ppm TWA</td>
</tr>
<tr>
<td></td>
<td></td>
<td>300 ppm CEIL</td>
</tr>
<tr>
<td></td>
<td></td>
<td>500 ppm Peak</td>
</tr>
<tr>
<td></td>
<td>OSHA PO</td>
<td>100 ppm; 375 mg/m³ TWA</td>
</tr>
<tr>
<td></td>
<td></td>
<td>150 ppm; 560 mg/m³ STEL</td>
</tr>
<tr>
<td><strong>Methanol</strong></td>
<td>67-56-1</td>
<td></td>
</tr>
<tr>
<td></td>
<td>ACGIH</td>
<td>200 ppm TWA</td>
</tr>
<tr>
<td></td>
<td>OSHA Z-2</td>
<td>200 ppm; 260 mg/m³ TWA</td>
</tr>
<tr>
<td></td>
<td>OSHA PO</td>
<td>200 ppm; 260 mg/m³ TWA</td>
</tr>
<tr>
<td></td>
<td></td>
<td>250 ppm; 325 mg/m³ STEL</td>
</tr>
<tr>
<td><strong>Talc</strong></td>
<td>14807-96-6</td>
<td></td>
</tr>
<tr>
<td></td>
<td>ACGIH</td>
<td>0.1 fibre/cm³ TWA</td>
</tr>
<tr>
<td></td>
<td></td>
<td>2 mg/m³ respirable fraction TWZ</td>
</tr>
<tr>
<td></td>
<td>OSHA Z-3</td>
<td>2 mg/m³ Respirable fraction TWA</td>
</tr>
<tr>
<td></td>
<td></td>
<td>20 Million particles per cubic foot Dust</td>
</tr>
</tbody>
</table>
*The above mentioned values are in accordance with the legislation in effect at the date of the release of this safety data sheet.

**Basis
ACGIH. Threshold Limit Values (TLV)
OSHA P0. Table Z-1, Limit for Air Contaminat (1989 Vacated Values)
OSHA P1. Permissible Exposure Limits (PEL), Table Z-1, Limit for Air Contaminant
OSHA P2. Permissible Exposure Limits (PEL), Table Z-2
OSHA Z3. Table Z-3, Mineral Dust

Engineering Controls
Use of adequate ventilation should be sufficient to control worker exposure to airborne contaminants. If the use of this product generates dust, fumes, gas, vapor or mist, use process enclosures, local exhaust ventilation or other engineering controls to keep worker exposure below any recommended or statutory limits. The engineering controls also need to keep gas, vapor or dust concentrations below any lower explosive limits.

Individual Protection Measures, such as Personal Protective Equipment

Eye/face protection
Safety eyewear complying with an approved standard should be used when a risk assessment indicates this is necessary.

Skin Protection
Choose body protection in relation to its type, to the concentration and amount of dangerous substances, and to the specific work-place.

Respiratory Protection
Use a properly fitted NIOSH approved air-purifying or air-fed respirator complying with an approved standard if a risk assessment indicates this is necessary. The filter class for the respirator must be suitable for the maximum expected contaminant concentration (gas/vapor/aerosol/particulates) that may arise when handling the product. If this concentration is exceeded, self-contained breathing apparatus must be used.

Glove Recommendations
Chemical-resistant, impervious gloves complying with an approved standard should be worn at all times when handling chemical products if a risk assessment indicates this is necessary.

Hygiene Measures
Avoid contact with skin, eyes and clothing. Wash hands before breaks and immediately after handling the product. Remove respiratory and skin/eye protection only after vapors have been cleared from the area. Remove contaminated clothing and protective equipment before entering eating areas. Wash thoroughly after handling.
### Section 9 - PHYSICAL AND CHEMICAL PROPERTIES

<table>
<thead>
<tr>
<th>Property</th>
<th>Value</th>
</tr>
</thead>
<tbody>
<tr>
<td>Appearance</td>
<td>liquid</td>
</tr>
<tr>
<td>Physical State</td>
<td>liquid</td>
</tr>
<tr>
<td>Odor</td>
<td>Solvent</td>
</tr>
<tr>
<td>Color</td>
<td>Off-white</td>
</tr>
<tr>
<td>Odor Threshold</td>
<td>No data available</td>
</tr>
<tr>
<td>pH</td>
<td>Not applicable</td>
</tr>
<tr>
<td>Freezing point</td>
<td>No data available</td>
</tr>
<tr>
<td>Evaporation Rate</td>
<td>No data available</td>
</tr>
<tr>
<td>Boiling Point Range</td>
<td>No data available</td>
</tr>
<tr>
<td>Flammability (solid, gas)</td>
<td>No data available</td>
</tr>
<tr>
<td>Autoignition</td>
<td>No data available</td>
</tr>
<tr>
<td>Flash Point</td>
<td>Ca 104 °F (40°C)</td>
</tr>
<tr>
<td>Lower Explosive Limit</td>
<td>No data available</td>
</tr>
<tr>
<td>Decomposition</td>
<td>No data available</td>
</tr>
<tr>
<td>Upper Explosive Limit</td>
<td>No data available</td>
</tr>
<tr>
<td>Vapor Pressure</td>
<td>No data available</td>
</tr>
<tr>
<td>Specific Gravity (water=1)</td>
<td>No data available</td>
</tr>
<tr>
<td>Water Solubility</td>
<td>Soluble</td>
</tr>
<tr>
<td>Partition coefficient:n- octanol/water</td>
<td>No data available</td>
</tr>
<tr>
<td>Viscosity (kinematic)</td>
<td>ca. &gt; 20.5 mm²/s at 104 °F (40 °C)</td>
</tr>
<tr>
<td>Solubility (Other)</td>
<td>Not available</td>
</tr>
<tr>
<td>Density</td>
<td>ca.1.08 g/cm³ at 73 °F (23 °C)</td>
</tr>
<tr>
<td>Volatile Organic Compounds(VOC) content</td>
<td>240 g/l</td>
</tr>
</tbody>
</table>

**Other Information**
No information available for the product.

### Section 10 - STABILITY AND REACTIVITY

**Reactivity**
No dangerous reaction known under conditions of normal use.

**Chemical Stability**
Stable under normal conditions of use.

**Possibility of Hazardous Reactions**
Stable under recommended storage conditions. Vapors may form explosive mixture with air.

**Conditions to Avoid**
Avoid heat, flames, sparks and other sources of ignition.

**Incompatible Materials**
Section 11 - TOXICOLOGICAL INFORMATION

Acute oral toxicity:
No data available

Acute inhalation toxicity:
No data available

Acute dermal toxicity:
No data available

Ingredients:
Methanol (67-56-1)
  Acute Oral Toxicity estimate: 100 mg/kg Method: Converted acute toxicity point estimate
  Acute Dermal Toxicity estimate: 300 mg/kg Method: Converted acute toxicity point estimate
  Acute Inhalation Toxicity estimate: Acute toxicity estimate: 3 mg/l Exposure time: 4 h Test atmosphere: vapor Method: Converted acute toxicity point estimate

Serious Eye Damage
No data available

Irritation/Corrosivity Data
No data available

Respiratory or Skin Sensitization
May cause an allergic skin reaction.

Component Carcinogenicity
No data available

Germ Cell Mutagenicity
No data available

Carcinogenicity
No data available

Reproductive Toxicity/Fertility
May damage fertility or the unborn child.

Reproductive Toxicity/Developmental/Teratogenicity:
No data available

Specific Target Organ Toxicity - Single Exposure
Assessment: Causes damage to organs

Specific Target Organ Toxicity - Repeated Exposure
Once sensitized, a severe allergic reaction may occur when subsequently exposed to very low levels.
Safety Data Sheet

Material Name: HydroBond PVC Bonding Adhesive

Reports have associated repeated and prolonged exposure to some of the chemicals in this product with permanent brain, liver, kidney and nervous system damage. Intentional misuse by deliberate concentration and inhalation of vapors may be harmful or fatal.

Assessment: May cause damage to organs through prolonged or repeated exposure if inhaled.

Aspiration hazard
No data available

Medical Conditions Aggravated by Exposure
No data available.

Section 12 - ECOLOGICAL INFORMATION

Do not empty into drains; dispose of this material and its container in a safe way. Avoid dispersal of spilled material and runoff and contact with soil, waterways, drains and sewers.

Component Analysis -

<table>
<thead>
<tr>
<th>Component</th>
<th>EC50</th>
</tr>
</thead>
<tbody>
<tr>
<td>1,2-benzisothiazol-3(2H)-one</td>
<td>2634-33-5</td>
</tr>
</tbody>
</table>

Toxicity to daphnia and other aquatic invertebrates:

Species: Daphnia Dose: 3 mg/l Exposure time: 48 h

Section 13 - DISPOSAL CONSIDERATIONS

Disposal Methods

Waste from residues
Disposal of this product, solutions and any by-products should at all times comply with the requirements of environmental protection and waste disposal legislation and any regional local authority requirements.

Contaminated packaging
Empty containers should be taken to an approved waste handling site for recycling or disposal.

Section 14 - TRANSPORT INFORMATION

US DOT Information: UN/NA #: UN1993
IMDG: UN/NA #: UN1993
Description of the goods: Description of the goods:

IATA: UN/NA #: UN1993
Description of the goods:
Safety Data Sheet

Material Name: HydroBond PVC Bonding Adhesive
Product #: 322112

Flammable liquids, n.o.s.(Toluene)  Flammable liquids, n.o.s.(Toluene)  Flammable liquids, n.o.s.(Toluene)
Hazard Class: 3  Hazard Class: 3  Hazard Class: 3
Required Label(s): 3  Required Label(s): 3  Required Label(s): 3
Emergency Response: 128  EmS # 1: F-E  EmS # 2: S-E
Guidebook Number

Marine pollutant: no
DOT:
As per 49CFR 173.150 (f) Combustible Liquid Exception, Material is Not Regulated.
IATA:
For Limited Quantity provisions reference IATA DGR Section 2.7 and other applicable sections.
IMDG:
For Limited Quantity special provisions reference IMDG Code Chapter 3.4
Special precautions for user
No data available
Transport in bulk according to Annex II of MARPOL 73/78 and the IBC Code
Not applicable

Section 15 - REGULATORY INFORMATION

TSCA list
All chemical substances in this product are either listed on the TSCA Inventory or are in compliance with a TSCA Inventory exemption.

EPCRA - Emergency Planning and Community Right-to-Know

CERCLA Reportable Quantity
This material does not contain any components with a CERCLA RQ.

SARA 302: No chemicals in this material are subject to the reporting requirements of SARA Title III, Section 302.

SARA 304 Reportable Quantity: This material does not contain any components with a section 304 EHS RQ.

SARA 311/312 Hazards
Fire Hazard
Chronic Health Hazard
Acute Health Hazard
Safety Data Sheet

Material Name: HydroBond PVC Bonding Adhesive  
Product #: 322112

This material contains one or more of the following chemicals required to be identified under SARA Section 313 (40 CFR 372.65),

<table>
<thead>
<tr>
<th>Chemical</th>
<th>CAS Number</th>
</tr>
</thead>
<tbody>
<tr>
<td>Toluene</td>
<td>108-88-3</td>
</tr>
<tr>
<td>SARA 313:</td>
<td>8 %</td>
</tr>
<tr>
<td>Methanol</td>
<td>67-56-1</td>
</tr>
<tr>
<td>SARA 313:</td>
<td>2 %</td>
</tr>
</tbody>
</table>

SARA Section 311/312 (40 CFR 370 Subparts B and C)

The following statement(s) are provided under the California Safe Drinking Water and Toxic Enforcement Act of 1986 (Proposition 65):
WARNING! This product contains a chemical known in the State of California to cause cancer.
WARNING: This product contains a chemical known in the State of California to cause birth defects or other reproductive harm.

Ozone-Depletion Potential
This product neither contains, nor was manufactured with a Class I or Class II ODS as defined by the U.S. Clean Air Act Section 602 (40 CFR 82, Subpt. A, App. A + B).

The following chemical(s) are listed as HAP under the U.S. Clean Air Act, Section 12 (40 CFR 61):

<table>
<thead>
<tr>
<th>Chemical</th>
<th>CAS Number</th>
</tr>
</thead>
<tbody>
<tr>
<td>Toluene</td>
<td>108-88-3</td>
</tr>
<tr>
<td>8 %</td>
<td></td>
</tr>
<tr>
<td>Methanol</td>
<td>67-56-1</td>
</tr>
<tr>
<td>2 %</td>
<td></td>
</tr>
</tbody>
</table>

Section 16 - OTHER INFORMATION

HMIS Ratings
Health: 3  Flammability: 2  Physical Hazard: 0
Hazard Scale: 0 = Minimal 1 = Slight 2 = Moderate 3 = Serious 4 = Severe

Summary of Changes
New  04/15/2015
Safety Data Sheet

Material Name: HydroBond PVC Bonding Adhesive

Product #: 322112

Key / Legend
ACGIH - American Conference of Governmental Industrial Hygienists; ADR - European Road Transport; AU - Australia; BOD - Biochemical Oxygen Demand; C - Celsius; CA - Canada; CAS - Chemical Abstracts Service; CERCLA - Comprehensive Environmental Response, Compensation, and Liability Act; CLP - Classification, Labelling, and Packaging; CN - China; CPR - Controlled Products Regulations; DFG - Deutsche Forschungsgemeinschaft; DOT - Department of Transportation; DSD - Dangerous Substance Directive; DSL - Domestic Substances List; EEC - European Economic Community; EINECS - European Inventory of Existing Commercial Chemical Substances; EPA - Environmental Protection Agency; EU - European Union; F - Fahrenheit; IARC - International Agency for Research on Cancer; IATA - International Air Transport Association; ICAO - International Civil Aviation Organization; IDL - Ingredient Disclosure List; IDLH - Immediately Dangerous to Life and Health; IMDG - International Maritime Dangerous Goods; JP - Japan; Kow - Octanol/water partition coefficient; KR - Korea; LEL - Lower Explosive Limit; LLV - Level Limit Value; LOLI - List Of Lists™ - ChemADVISOR’s Regulatory Database; MAK - Maximum Concentration Value in the Workplace; MEL - Maximum Exposure Limits; NFPA - National Fire Protection Agency; NIOSH - National Institute for Occupational Safety and Health; NJTSR - New Jersey Trade Secret Registry; NTP - National Toxicology Program; NZ - New Zealand; OSHA - Occupational Safety and Health Administration; PH - Philippines; RCRA - Resource Conservation and Recovery Act; REACH - Registration, Evaluation, Authorisation, and restriction of Chemicals; RID - European Rail Transport; SARA - Superfund Amendments and Reauthorization Act; STEL - Short-term Exposure Limit; TDG - Transportation of Dangerous Goods; TSCA - Toxic Substances Control Act; TWA - Time Weighted Average; UEL - Upper Explosive Limit; US - United States.

Other Information
Reasonable care has been taken in the preparation of this information; however, the manufacturer makes no warranty whatsoever including the warranty of merchantability, expressed or implied, with respect to this information. The manufacturer makes no representations and assumes no liability for any direct, incidental, consequential, or other such damages resulting from its use or misuse.

Disclaimer:
Supplier gives no warranty whatsoever, including the warranties of merchantability or of fitness for a particular purpose. Any product purchased is sold on the assumption the purchaser shall determine the quality and suitability of the product. Supplier expressly disclaims any and all liability for incidental, consequential or any other damages arising out of the use or misuse of this product. No information provided shall be deemed to be a recommendation to use any product in conflict with any existing patent rights.