

**\* Section 1. Identification****Product identifier:** Adhesive

- **Trade name:** RPI Royal Edge Bonding Adhesive (Water-Based)
- **Product Code:** BAWB5G

**Relevant identified uses of the substance or mixture**

Adhesive for single-ply membrane roofing systems.

**Details of the supplier of the safety data sheet**

- **Manufacturer/Supplier:**  
Roofing Products International, Inc.  
57460 Dewitt St.  
Elkhart, IN 46517-1078  
Information Phone Number: 574-293-9096  
Information Department: Technical Services Department

**Emergency Telephone Number**Chemtrec: 800-424-9300  
Chemtrec International: +1 703-527-3887**\* Section 2. Hazard(s) Identification****Classification of the substance or mixture****GHS07**

H315 Causes skin irritation

H320 Causes eye irritation

**Label elements**

- **GHS label elements:** The product is classified and labeled according to the Globally Harmonized System (GHS).
- **Hazard pictograms**

**GHS02****Signal word: WARNING****Hazard statements**

Causes skin irritation.

Causes eye irritation.

**Precautionary statements****Prevention:** Read label before use. If medical advice is needed, have product container or label at hand.

Keep out of reach of children. Do not use indoors or in confined airspace.

Wear protective gloves, clothing, and eyeglasses.

Wear protective gloves/protective clothing/eye protection/face protection.

Keep container tightly closed.

**IF IN EYES:** Rinse cautiously with water for several minutes. Remove contact lenses (if easy to do), continue rinsing.

Specific treatment (see on label).

Remove/Take off all contaminated clothing and wash before reuse.

If skin irritation occurs: Get medical attention/advise.

If eye irritation occurs: Get medical attention/advise.

Dispose of contents/container in accordance with local/regional/national/international regulations.

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**Trade name: Royal Edge Bonding Adhesive (Water-Based)**

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**Classification system**

- **NFPA ratings (scale 0 - 4)**



- **HMIS-ratings (scale 0 - 4)**



**Other hazards**

- **Results of PBT and vPvB assessment**
- **PBT:** Not applicable.
- **vPvB:** Not applicable.

**\* Section 3. Composition/Information on Ingredients**

- **Chemical characterization:** Mixtures
- **Description:** Adhesive

**Hazardous components**

67-56-1	methanol	≤ 0.5%
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**Any concentration shown as a range is to protect confidentiality or due to batch variation.**

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

**\* Section 4. First-Aid Measures**

**Description of first aid measures**

- **After inhalation:** Remove to fresh air. Administer oxygen if breathing is labored. Give artificial respiration if breathing is stopped. Use a proper respiratory medical device. Seek immediate medical attention if oxygen or artificial respiration is administered.
- **After skin contact:** Remove contaminated clothing and immediately wash with soap and water and rinse thoroughly. If skin irritation continues, consult a doctor.
- **After eye contact:** Rinse opened eye for several minutes under clean running water, consult a physician.
- **After swallowing:** Do not induce vomiting. Do not give mouth to mouth respiration if victim has swallowed the material. Seek immediate medical treatment.

**Most important symptoms and effects, both acute and delayed**

**Acute symptoms**

- **Inhalation:** No further relevant information available.
- **Skin:** May aggravate pre-existing skin conditions.
- **Eye:** Eye contact may cause irritation,tearing, and blurred vision.

**Indication of any immediate medical attention and special treatment needed**

- **Information for Physician**  
No further relevant information available..

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Trade name: Royal Edge Bonding Adhesive (Water-Based)

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### **Environmental precautions**

Do not allow product to enter sewage system or water course, surface or ground water.  
Inform respective authorities in case of seepage into water course, ground water or sewage system.

- **Methods and material for containment and cleaning up:**  
Dispose of contaminated material as waste in accordance with federal state and local regulations.

## \* **Section 5. Fire-Fighting Measures**

### **Extinguishing media**

- **Suitable extinguishing agents:** CO<sub>2</sub>, extinguishing powder or water fog. Fight large fires with alcohol resistant foam or water spray. Use fire fighting measures that suit the environment.
- **Unsuitable extinguishing agents:**  
No further relevant information available.
- **Specific hazards arising from material:**  
No further relevant information available.
- **Advice for firefighters:**  
Use water spray to keep fire-exposed containers cool. Do not allow water used in fire suppression to be discharged into waterways, sewers, or drains.
- **Protective equipment:**  
Wear impermeable protective clothing and self-contained breathing apparatus.

## \* **Section 6. Accidental Release Measures**

### **Personal precautions, protective equipment and emergency procedures**

- **Personal Precautions:**  
Wear protective gloves, clothing, and eyeglasses. Wear appropriate respirator when ventilation is inadequate. Keep unprotected people away.

### **Methods and materials for clean-up and containment**

Clean up using inert liquid binding materials (sand, diatomite, acid binders, universal binders, sawdust). Collect material and dispose in secure containers in accordance with local, state, and federal regulations.

- **Environmental Precautions:** Do not allow product to enter water course or sewage system. Do not allow product to enter drains, sewers or ground water. Notify respective environmental authorities of any seepage into sewer, drainage, or ground water.

### **Reference to other sections**

- See Section 7 for information on safe handling.
- See Section 8 for information on personal protection equipment.
- See Section 13 for disposal information.

## \* **Section 7. Handling and Storage**

### **Handling**

- **Precautions for safe handling:**  
Wear protective nitrile gloves when handling. Do not get on skin or in eyes. Do not ingest. Wash contaminated clothing prior to reuse. Prevent formation of aerosols.
- **Advice on general occupational hygiene:**  
Eating, drinking, and smoking should be prohibited in areas where this material is handled, processed, or stored. See Section 8 for additional information on hygiene measures.
- **Information about protection against explosions and fires:**  
This product is not flammable. Keep container closed when not in use.

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**Conditions for safe storage, including any incompatibilities**

- **Storage**
- **Requirements to be met by storerooms and receptacles:** Store in a cool location away from direct heat.
- **Information about storage in one common storage facility:** Store away from oxidizing agents.
- **Further information about storage conditions:** Keep material tightly sealed in original containers. Protect from freezing.

**Specific end use(s)**

*Adhesive for single-ply membrane roofing systems.*

**\* Section 8. Exposure Controls/Personal Protection**

- **Additional information about design of technical systems:** No further data; see item 7.

**Control parameters**

<b>Components with limit values that require monitoring at the workplace:</b>	
<b>67-56-1 methanol</b>	
PEL	Long-term value: 260 mg/m <sup>3</sup> , 200 ppm
REL	Short-term value: 325 mg/m <sup>3</sup> , 250 ppm
	Long-term value: 260 mg/m <sup>3</sup> , 200 ppm
	Skin
TLV	Short-term value: 328 mg/m <sup>3</sup> , 250 ppm
	Long-Term value: 262 mg/m <sup>3</sup> , 200 ppm
	Skin: BEI
<b>Ingredients with biological limit values:</b>	
<b>67-56-1 methanol</b>	
BEI	15 MG/L
	Medium: urine
	Time: end of shift
	Parameter: Methanol (background, non-specific)

- **Components with limit values that require monitoring at the workplace:**  
*The product does not contain any relevant quantities of materials with critical values that have to be monitored the workplace.*
- **Additional information:** *Product contains natural rubber latex.*

**Exposure controls**

- **Personal protective equipment (see listings below)**
- **General protective and hygienic measures:**  
*Keep away from foodstuffs, beverages and feed.  
Immediately remove all soiled and contaminated clothing and wash before reuse. Wash hands before breaks and at the end of work. Store protective clothing separately.*
- **Breathing equipment:**  
*Use approved respiratory protection equipment when airborne exposure is excessive. Consult the respirator manufacturer to determine the appropriate type of equipment for a given application.*
- **Protection of hands:** *Wear protective neoprene, nitrile, or viton gloves. Consult glove manufacturer for break-thru time.*



- **Eye protection:** *Wear protective eyeglasses with side shields*



**Trade name: Royal Edge Bonding Adhesive (Water-Based)**

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**\* Section 9. Physical and Chemical Properties**

**Information on basic physical and chemical properties**

- **General Information**
- **Appearance**
- **Form:** Liquid
- **Color:** White when wet, clear when dry
- **Odor:** Characteristic

**Change in condition**

- **Melting point:** Undetermined.
- **Boiling point:** Undetermined.
- **Flash point:** Not applicable
- **Auto igniting:** Product is not selfigniting.
- **Danger of explosion:** Product does not present an explosion hazard.
- **Specific gravity at 20 C (68°F):** 1.01g/cm<sup>3</sup> (8.428 lbs/gal)
- **Solubility in / Miscibility with Water:** soluble.

**Solvent content**

- **Organic solvents:** 0.0 %

- **Solids content:** 24.5 %

**Other information** Weight per gallon: = 8.28 LBS

**\* Section 10. Stability and Reactivity**

**Reactivity**

*Stable at ambient temperatures and pressures.*

- **Chemical stability:**  
*The product is stable.*

**Thermal decomposition / conditions to be avoided**

*Under normal conditions of storage and when used according to specifications, hazardous decomposition products should not be produced.*

- **Possibility of hazardous reactions:**  
*The product is incompatible with strong oxidizers, acids and bases.*
- **Conditions to avoid:**  
*No further relevant information available.*
- **Incompatible materials:**  
*Reacts with oxidizing agents.  
Reacts with acids.  
Reacts with salts.*
- **Hazardous decomposition products:**  
*Carbon monoxide and carbon dioxide.*

**\* Section 11. Toxicological Information**

**Information on toxicological effects**

- **Acute toxicity:**

**Primary irritant effect**

- **on the skin:** *May irritate the skin. Prolonged contact may cause dermatitis and drying of the skin.*
- **on the eye:** *Eye contact may cause irritation, redness, tearing, and blurred vision.*
- **Sensitization:** *No sensitizing effects known.*
- **Additional toxicological information:**

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- *The product is not subject to classification according to internally approved calculation methods for preparations:  
When used and handled according to specifications, the product does not have any harmful effects according our experience and the information provided to us.*

- **Carcinogenic categories**

- **IARC (International Agency for Research on Cancer)**

80-62-6	methyl methacrylate	3
100-42-5	styrene	2B
141-32-2	n-butyl acrylate	3

- **NTP (National Toxicology Program)**

100-42-5	styrene	R
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- **OSHA (Occupational Safety & Health Administration)**

*None of the ingredients is listed.*

\* **Section 12. Ecological Information**

**Toxicity**

- **Aquatic toxicity:** No further relevant information available.
- **Persistence and degradability:** No further relevant information available.

**Behavior in environmental systems**

- **Bioaccumulative potential:** No further relevant information available.
- **Mobility in soil:** No further relevant information available.

**Additional ecological information**

- **General notes:**  
*At present there are no ecotoxicological assessments.*

**Results of PBT and vPvB assessment**

- **PBT:** Not applicable.
- **vPvB:** Not applicable.
- **Other adverse effects:** No further relevant information available.

\* **Section 13. Disposal Considerations**

**Waste treatment methods**

- **Recommendation:**  
*Must not be disposed of together with household garbage. Do not allow disposed product to reach sewage system  
Must be disposed according to local, state, and federal regulations.*

**Uncleaned packagings**

- **Recommendation:** *Disposal must be made according to official regulations.*

\* **Section 14. Transport Information**

**UN-Number**

- **DOT, ADR, ADN, IMDG, IATA**                      *Not regulated*

**UN proper shipping name**

- **DOT, ADR, ADN, IMDG, IATA**                      *Not regulated*

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**Trade name: Royal Edge Bonding Adhesive (Water-Based)**

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**Transport hazard class(es)**

- **DOT, ADR, ADN, IMDG, IATA Class** Not regulated

**Packing group**

- **DOT, ADR, IMDG, IATA** Not Regulated

- **Environmental hazards:** Not applicable

- **Special precautions for users:** Not applicable

- **Transport in bulk according to Annex II of MARPOL73/78 and the IBC Code** Not applicable

- **Transport/Additional Information:** DOT,ADR, IMDGH, IATA - Not regulated in transport, Not dangerous according to the above specifications.

- **UN "Model Regulation":** Not regulated

\* **Section 15. Regulatory Information**

**Safety, health and environmental regulations/legislation specific for the substance or mixture**

- **Sara**

- **Section 355 (extremely hazardous substances):**

None of the ingredients is listed.

- **Section 313 (Specific toxic chemical listings):**

67-56-1	methanol
35691-65-7	1,2-Dibromo-2,4-dicyanobutane
80-62-6	methyl methacrylate
100-42-5	styrene
141-32-2	n-butyl acrylate

- **TSCA (Toxic Substances Control Act):**

All components of this product are on the TSCA Inventory or are exempt from TSCA Inventory requirements.

**Proposition 65**

- **Chemicals known to cause cancer:**

100-42-5	styrene.
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- **Chemicals known to cause reproductive toxicity for females:**

67-56-1	methanol
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- **Chemicals known to cause reproductive toxicity for males:**

67-56-1	methanol
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- **Chemicals known to cause developmental toxicity:**

67-56-1	methanol
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**Trade name: Royal Edge Bonding Adhesive (Water-Based)**

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**(DSL) Canada Domestic Substance List**

*All components of this product are on the DSL (Canada Domestic Substance list) or are exempt from DSL requirements.*

**Carcinogenicity categories**

<ul style="list-style-type: none"> <li><b>EPA (Environmental Protection Agency)</b></li> </ul>
<i>None of the ingredients is listed.</i>

<ul style="list-style-type: none"> <li><b>TLV (Threshold Limit Value established by ACGIH)</b></li> </ul>
<i>None of the ingredients is listed.</i>

<ul style="list-style-type: none"> <li><b>MAK (German Maximum Workplace Concentration)</b></li> </ul>
<i>None of the ingredients is listed.</i>

<ul style="list-style-type: none"> <li><b>NIOSH-Ca (National Institute for Occupational Safety and Health)</b></li> </ul>
<i>None of the ingredients is listed.</i>

• **Chemical safety assessment:** A Chemical Safety Assessment has not been carried out.

<ul style="list-style-type: none"> <li><b>New Jersey Right-to-Know List:</b></li> </ul>	
67-56-1	<i>methanol</i>
35691-65-7	<i>1,2-Dibromo-2,4-dicyanobutane</i>
80-62-6	<i>methyl methacrylate</i>
100-42-5	<i>styrene</i>
141-32-2	<i>n-butyl acrylate</i>

<ul style="list-style-type: none"> <li><b>New Jersey Special Hazardous Substance List:</b></li> </ul>		
67-56-1	<i>methanol</i>	<i>TE, F3</i>
80-62-6	<i>methyl methacrylate</i>	<i>F3, R2</i>
100-42-5	<i>styrene</i>	<i>CA, F3, R2</i>
141-32-2	<i>n-butyl acrylate</i>	<i>F3, R2</i>

<ul style="list-style-type: none"> <li><b>Pennsylvania Right-to-Know List:</b></li> </ul>		
80-62-6	<i>methyl methacrylate</i>	
100-42-5	<i>styrene</i>	
141-32-2	<i>n-butyl acrylate</i>	

<ul style="list-style-type: none"> <li><b>Pennsylvania Special Hazardous Substance List:</b></li> </ul>		
80-62-6	<i>methyl methacrylate</i>	<i>E</i>
100-42-5	<i>styrene</i>	<i>E</i>
141-32-2	<i>n-butyl acrylate</i>	<i>E</i>

**Carcinogenicity categories:**

<ul style="list-style-type: none"> <li><b>EPA (Environmental Protection Agency)</b></li> </ul>		
80-62-6	<i>methyl methacrylate</i>	<i>E, NL</i>

<ul style="list-style-type: none"> <li><b>TLV (Threshold Limit Value established by ACHIF)</b></li> </ul>		
80-62-6	<i>methyl methacrylate</i>	<i>A4</i>
100-42-5	<i>styrene</i>	<i>A4</i>
141-32-2	<i>n-butyl acrylate</i>	<i>A4</i>

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**Trade name: Royal Edge Bonding Adhesive (Water-Based)**

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**Carcinogenicity categories:**

<b>• EPA (Environmental Protection Agency)</b>		
80-62-6	methyl methacrylate	E, NL
<b>• TLV (Threshold Limit Value established by ACHIF)</b>		
80-62-6	methyl methacrylate	A4
100-42-5	styrene	A4
141-32-2	n-butyl acrylate	A4
<b>• MAK (German Maximum Workplace Concentration)</b>		
100-42-5	styrene	5
<b>• NIOSH-Ca (National Institute for Occupational Safety and Health)</b>		
None of the ingredients is listed.		
<b>• Chemical safety assessment: A Chemical Safety Assessment has not been carried out.</b>		

**\* Section 16. Other Information**

Although the information and recommendations set forth in this SDS are presented in good faith and are believed to be correct as of the date of this SDS, Roofing Products International, Inc. makes no representations as to the completeness or accuracy thereof. Information is supplied on the condition that the persons receiving and using it will make their own determination as to the suitability for their purpose prior to use. In no event will Roofing Products International, Inc. or any affiliate thereof be responsible for damages of any nature whatsoever resulting from the use or reliance on the information set forth in the SDS.

- **Department issuing SDS:** Technical Services Department.
- **Creation Date:** 05/28/2003
- **Date of preparation:** 02/10/2015
- **Last revision:** 8/24/2016 (4)
- **Abbreviations and acronyms:**

RID: Règlement international concernant le transport des marchandises dangereuses par chemin de fer (Regulations Concerning the International Transport of Dangerous Goods by Rail)  
 ICAO: International Civil Aviation Organization  
 ADR: Accord européen sur le transport des marchandises dangereuses par Route (European Agreement concerning the International Carriage of Dangerous Goods by Road)  
 IMDG: International Maritime Code for Dangerous Goods  
 DOT: US Department of Transportation  
 IATA: International Air Transport Association  
 ACGIH: American Conference of Governmental Industrial Hygienists  
 EINECS: European Inventory of Existing Commercial Chemical Substances  
 ELINCS: European List of Notified Chemical Substances  
 CAS: Chemical Abstracts Service (division of the American Chemical Society)  
 NFPA: National Fire Protection Association (USA)  
 HMIS: Hazardous Materials Identification System (USA)  
 NIOSH: National Institute for Occupational Safety  
 OSHA: Occupational Safety & Health  
 TLV: Threshold Limit Value  
 PEL: Permissible Exposure Limit  
 REL: Recommended Exposure Limit  
 BEI: Biological Exposure Limit

End of SDS