**SECTION 1: IDENTIFICATION**

1.1 PRODUCT IDENTIFIER

**Product Name:** URETHANE BASECOAT ARIZONA VERSION - POLYOL COMPONENT A  
**Product Code:** UB6407PAZ, UB6407PAZ-1, UB6407PAZ-5

1.2 RECOMMENDED USE OF CHEMICAL AND RESTRICTIONS ON USE

**Product Use:**  
Architectural Coating and Waterproofing  
Use this product in accordance with all local, regional, national and international regulations.

1.3 DETAILS OF THE SUPPLIER OF THE SAFETY DATA SHEET

**Name/Address:** Gaco Western LLC  
1245 Chapman Dr.  
Waukesha, WI, 53186-5942  
USA  
**Telephone Number:** 800-331-0196 / International: 001-800-331-0196  
**Email:** sds@gaco.com  
**Website:** www.gaco.com

1.4 EMERGENCY TELEPHONE NUMBER

For Chemical Emergency  
Spill, Leak, Fire, Exposure, or Incident  
Within USA and Canada: 1-800-424-9300  
Outside USA and Canada: +1-703-527-3887 (collect calls accepted)

**SECTION 2: HAZARD(S) IDENTIFICATION**

2.1 CLASSIFICATION OF THE CHEMICAL

**Hazard class:**

<table>
<thead>
<tr>
<th>HAZARD CLASSIFICATION</th>
<th>CATEGORY</th>
</tr>
</thead>
<tbody>
<tr>
<td>Flammable Liquids</td>
<td>2</td>
</tr>
<tr>
<td>Skin Corrosion/Irritation</td>
<td>2</td>
</tr>
<tr>
<td>Eye Damage/Irritation</td>
<td>2A</td>
</tr>
<tr>
<td>Sensitization - Respiratory</td>
<td>1</td>
</tr>
<tr>
<td>Sensitization - Skin</td>
<td>1</td>
</tr>
<tr>
<td>Carcinogenicity</td>
<td>2</td>
</tr>
<tr>
<td>Toxic to Reproduction</td>
<td>2</td>
</tr>
<tr>
<td>STOT RE - Specific Toxic Organ Toxicity (Repeated Exposure)</td>
<td>2</td>
</tr>
</tbody>
</table>

2.2 LABEL ELEMENTS

**Hazard pictogram:**  
GHS02, GHS07, GHS08
Signal word: Danger

Hazard statement: Highly flammable liquid and vapor  
Causes skin irritation  
May cause an allergic skin reaction  
Causes serious eye irritation  
May cause allergy or asthma symptoms or breathing difficulties if inhaled  
Suspected of causing cancer  
Suspected of damaging the unborn child  
May cause damage to organs <neurological/auditory> through prolonged or repeated exposure <inhalation>

Prevention: Obtain special instructions before use. 
Do not handle until all safety precautions have been read and understood.  
Keep away from heat, hot surfaces/sparks/open flames/hot surfaces. -No smoking.  
Keep container tightly closed.  
Ground/bond container and receiving equipment.  
Use explosion-proof electrical/ventilating/lighting/equipment.  
Use only non-sparking tools.  
Take precautionary measures against static discharge.  
Do not breathe dust/fume/gas/mist/vapors/spray.  
Wash thoroughly after handling.  
Contaminated work clothing must not be allowed out of the workplace.  
Wear protective gloves/protective clothing/eye protection/face protection.  
In case of inadequate ventilation, wear respiratory protection.

Response: In case of fire: Use water fog, foam, dry chemical powder, carbon dioxide (CO2) to extinguish.  
Specific treatment (see Section 8 on this label).  
If on skin (or hair): Remove/Take off immediately all contaminated clothing.  
Rinse skin with water/shower.  
Wash contaminated clothing before reuse.  
If skin irritation or a rash occurs: Get medical advice/attention.  
If inhaled: Remove person to fresh air and keep comfortable for breathing. 
If experiencing respiratory symptoms: Call a poison/doctor.  
If in eyes: Rinse cautiously with water for several minutes. Remove contact lenses if present and easy to do. Continue rinsing.  
If eye irritation persists: Get medical advice/attention.

Storage: Store in a well-ventilated place. Keep cool. Store locked up.

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

2.3 ADDITIONAL INFORMATION
Main symptoms: Prolonged exposure may cause chronic effects. Suspected of causing cancer. 
Suspected of damaging the unborn child. May cause damage to organs <neurological/auditory> through prolonged or repeated exposure <inhalation>. Difficulty breathing. May cause allergy or asthma symptoms or breathing difficulties if inhaled. Skin irritation. May cause redness and pain. 
May cause allergic skin reaction. Dermatitis. Rash. Causes serious eye irritation. Symptoms may include stinging, tearing, redness, swelling, and blurred vision.

Hazards not otherwise specified: Toxic to aquatic life
Toxic to aquatic life with long lasting effects

37.4% of the mixture consists of ingredient(s) of unknown acute toxicity

SECTION 3: COMPOSITION/INFORMATION ON INGREDIENTS

3.1 MIXTURES

<table>
<thead>
<tr>
<th>Material</th>
<th>CAS No.</th>
<th>Weight %*</th>
</tr>
</thead>
<tbody>
<tr>
<td>Nepheline syenite - various grades</td>
<td>37244-86-5</td>
<td>10-30%</td>
</tr>
<tr>
<td>Xylene (mixed isomers)</td>
<td>1330-20-7</td>
<td>7-13%</td>
</tr>
<tr>
<td>Zinc borate</td>
<td>138265-88-0</td>
<td>7-13%</td>
</tr>
<tr>
<td>2,2,4-Trimethyl-1,3-pentanediol</td>
<td>144-19-4</td>
<td>1-5%</td>
</tr>
<tr>
<td>Ethylenbenzene</td>
<td>100-41-4</td>
<td>1-5%</td>
</tr>
<tr>
<td>Titanium dioxide (dust)</td>
<td>13463-67-7</td>
<td>1-5%</td>
</tr>
<tr>
<td>Butanone</td>
<td>78-93-3</td>
<td>1-5%</td>
</tr>
<tr>
<td>2,2-Bis(bromomethyl)propane-1,3-diol</td>
<td>3296-90-0</td>
<td>1-5%</td>
</tr>
<tr>
<td>Toluene-diisocyanate, mixture of toluene-2,4-di-isocyanate and</td>
<td>26471-62-5</td>
<td>1-5%</td>
</tr>
<tr>
<td>toluene-2,6-di-isocyanate</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Toluene</td>
<td>108-88-3</td>
<td>0.5-1.5%</td>
</tr>
<tr>
<td>Bis(2-chloropropyl)1-chloro-2-propyl phosphate</td>
<td>76649-15-5</td>
<td>0.1-1.0%</td>
</tr>
</tbody>
</table>

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

SECTION 4: FIRST-AID MEASURES

4.1 DESCRIPTION OF THE FIRST AID MEASURES

General information: Take off all contaminated clothing immediately. Wash contaminated clothing before reuse. Ensure that medical personnel are aware of the material(s) involved, and take precautions to protect themselves.

Inhalation: Remove victim to fresh air and keep at rest in a position comfortable for breathing. Oxygen or artificial respiration if needed. Do not use mouth-to-mouth method if victim inhaled the substance. Induce artificial respiration with the aid of a pocket mask equipped with a one-way valve or other proper respirator medical device. Call a physician or poison center immediately.

Skin contact: Remove contaminated clothing immediately and wash skin with soap and water. In case of eczema or other skin disorders: Seek medical attention and bring along these instructions. Wash contaminated clothing before reuse.

Eye contact: Immediately flush eyes with plenty of water for at least 15 minutes. Remove contact lenses, if present and easy to do. Continue rinsing. Get medical attention if irritation develops and persists.

Ingestion: Rinse mouth. Get medical attention if symptoms occur.

4.2 MOST IMPORTANT SYMPTOMS AND EFFECTS, BOTH ACUTE AND DELAYED

Prolonged exposure may cause chronic effects.

Suspected of causing cancer.

Suspected of damaging the unborn child.

May cause damage to organs <neurological/auditory> through prolonged or repeated exposure <inhalation>.

Difficulty breathing. May cause allergy or asthma symptoms or breathing difficulties if inhaled.

Skin irritation. May cause redness and pain.
May cause allergic skin reaction. Dermatitis. Rash. Causes serious eye irritation. Symptoms may include stinging, tearing, redness, swelling, and blurred vision.

4.3 INDICATION OF ANY IMMEDIATE MEDICAL ATTENTION AND SPECIAL TREATMENTS NEEDED

Note to physicians: Treat symptomatically. Symptoms may be delayed. Thermal burns: Flush with water immediately. While flushing, remove clothes that do not adhere to affected area. Call an ambulance. Continue flushing during transport to hospital.

Specific treatments: In case of accident or if you feel unwell, seek medical advice (show the label or SDS where possible).

SECTION 5: FIRE-FIGHTING MEASURES

5.1 EXTINGUISHING MEDIA

General hazards: Highly flammable liquid and vapor

Suitable extinguishing media: Water fog. Foam. Dry chemical powder. Carbon dioxide (CO2)

Unsuitable extinguishing media: Do not use water jet as an extinguisher as this will spread the fire.

5.2 SPECIAL HAZARDS ARISING FROM THE SUBSTANCE OR MIXTURE

Specific hazards: Vapors may form explosive mixtures with air. Vapors may travel considerable distance to a source of ignition and flash back. During fire, gases hazardous to health may be formed.

Products of combustion: May include, and are not limited to: oxides of carbon.

5.3 Special protective equipment and precautions for fire-fighters (PPE)

Special protective equipment for fire-fighters: In case of fire and/or explosion, do not breathe fumes. Move containers from fire area if you can do it without risk.

Special fire-fighting procedures: Keep upwind of fire. Move containers from fire area if you can do it without risk.

SECTION 6: ACCIDENTAL RELEASE MEASURES

6.1 PERSONAL PRECAUTIONS, PROTECTIVE EQUIPMENT AND EMERGENCY PROCEDURES

Ensure adequate ventilation. Keep people away from and upwind of spill/leak. Eliminate all ignition sources (no smoking, flares, sparks, or flames in immediate area). Wear appropriate protective equipment and clothing during clean-up. Do not touch damaged containers or spilled material unless wearing appropriate protective clothing. Ventilate closed spaces before entering them. Local authorities should be advised if significant spillages cannot be contained.

6.2 METHODS AND MATERIALS FOR CONTAINMENT AND CLEANING - UP

Methods for containment: Eliminate all ignition sources (no smoking, flares, sparks, or flames in immediate area). Take precautionary measures against static discharge. Use only non-sparking tools. Keep combustibles (wood, paper, oil, etc.) away from spilled material. Use appropriate Personal Protective Equipment (PPE).

Methods for cleaning-up: Eliminate all ignition sources (no smoking, flares, sparks, or flames in immediate area). Take precautionary measures against static discharge. Use only non-sparking tools. Keep combustibles (wood, paper, oil, etc.) away from spilled material. For waste disposal, see Section 13 of the SDS.

Large spills: Stop the flow of material, if this is without risk. Dike the spilled material,
where this is possible. Use a non-combustible material like vermiculite, sand or earth to soak up the product and place into a container for later disposal. Following product recovery, flush area with water. Prevent product from entering drains.

Small spills: Wipe up with absorbent material (e.g. cloth, fleece). Clean surface thoroughly to remove residual contamination. Never return spills to original containers for re-use.

Environmental precautions: Avoid release to the environment. Inform appropriate managerial or supervisory personnel of all environmental releases.

SECTION 7: HANDLING AND STORAGE

7.1 PRECAUTIONS FOR SAFE HANDLING

Precautions for Safe handling: Vapors may form explosive mixtures with air. Do not handle or store near an open flame, heat or other sources of ignition. Do not smoke. Take precautionary measures against static discharges. All equipment used when handling the product must be grounded. Use non-sparking tools and explosion-proof equipment. Provide adequate ventilation. Wear appropriate personal protective equipment. Observe good industrial hygiene practices.

General hygiene advice: Ensure that medical personnel are aware of the materials(s) involved, and take precautions to protect themselves.

7.2 CONDITIONS FOR SAFE STORAGE, INCLUDING ANY INCOMPATIBILITIES

Storage: Keep away from heat, sparks and open flame. Prevent electrostatic charge build-up by using common bonding and grounding techniques. Keep container tightly closed. Store in a cool and well-ventilated place. Keep in an area equipped with sprinklers. Store away from incompatible materials (see Section 10 of the SDS).

Specific use: Architectural Coating and Waterproofing

Technical measures: Vapors may form explosive mixtures with air. All equipment used when handling the product must be grounded. Use non-sparking tools and explosion-proof equipment.

Incompatible materials: None known. Avoid strong oxidizing agents.

Safe storage: Store away from incompatible materials.

Safe packaging material: Keep in original container.

Precautions: Do not handle, store or open near an open flame, sources of heat or sources of ignition. Protect material from direct sunlight. When using do not smoke. Take precautionary measures against static discharges.

Safe handling advice: Do not handle, store or open near an open flame, sources of heat or sources of ignition. Protect material from direct sunlight. When using do not smoke. Take precautionary measures against static discharges. Use personal protection recommended in Section 8 of the SDS.

Suitable storage conditions: Keep away from heat, sparks and open flame. Keep container tightly closed. Store in a cool, dry place out of direct sunlight. Store in a well-ventilated place. Keep in an area equipped with sprinklers.

Handling-technical measures: Use non-sparking tools and explosion-proof equipment. All equipment used when handling this product must be grounded.

Local and general ventilation: 1: Explosion-proof general and local exhaust ventilation. 2&3: Provide adequate ventilation.

SECTION 8: EXPOSURE CONTROLS/PERSONAL PROTECTION
8.1 CONTROL PARAMETERS

Control parameters: Follow standard monitoring procedures.

Exposure limits:

**Nepheline syenite - various grades**
- OSHA PEL: 5 mg/m$^3$ TQA resp
- OSHA TLV: none

**Xylene (mixed isomers)**
- OSHA:
  - PEL-TWA ppm: 100
  - PEL-TWA mg/m$^3$: 435
- NIOSH:
  - REL-TWA ppm: 100
  - REL-TWA mg/m$^3$: 435
  - REL-STEL ppm: 150
  - REL-STEL mg/m$^3$: 655
  - IDLH ppm: 900

**Zinc borate**
- ACGIH/TLV: 10 mg/m$^3$ Cal
- OSHA/PEL: 10 mg/m$^3$
- OSHA/PEL (total dust): 15 mg/m$^3$
- OSHA/PEL (Respirable dust): 5 mg/m$^3$

**Ethylbenzene**
- NIOSH REL:
  - TWA 100 ppm (435 mg/m$^3$)
  - ST 125 ppm (545 mg/m$^3$)
- OSHA PEL †:
  - TWA 100 ppm (435 mg/m$^3$)

**Titanium dioxide (dust)**
- NIOSH REL: Ca See Appendix A
- OSHA PEL†: TWA 15 mg/m$^3$

No significant exposure to primary particles of titanium dioxide is thought to occur during the use of products in which titanium dioxide is bound to other materials, such as in paints.

**Butanone**
- OSHA:
  - PEL-TWA ppm: 200
  - PEL-TWA mg/m$^3$: 590
- NIOSH:
  - REL-TWA ppm: 200
  - REL-TWA mg/m$^3$: 590
  - REL-STEL ppm: 300
  - REL-STEL mg/m$^3$: 885
  - IDLH ppm: 3000

**Toluene-diisocyanate, mixture of toluene-2,4-di-isocyanate and toluene-2,6-di-isocyanate**
- OSHA: PEL-C ppm: 0.02, PEL-C mg/m$^3$: 0.14
- NIOSH: IDLH ppm: 2.5, IDLH Notes: Ca
- Notes: CARCINOGEN (Ca); REDUCE EXPOSURE TO LOWEST FEASIBLE CONCENTRATION

SAFETY DATA SHEET

Trade Name: UB6407PAZ - URETHANE BASECOAT ARIZONA VERSION - POLYOL COMPONENT A

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Toluene

NIOSH REL: TWA 100 ppm (375 mg/m3) ST 150 ppm (560 mg/m3)
OSHA PEL†: TWA 200 ppm C 300 ppm 500 ppm (10-minute maximum peak)
TLV: 50ppm as TWA; (skin); A4 (not classifiable as a human carcinogen); BEI issued; (ACGIH 2004).

8.2 EXPOSURE CONTROLS

Engineering measures to reduce exposure: Explosion-proof general and local exhaust ventilation. Eye wash facilities and emergency shower must be available when handling this product.

8.3 INDIVIDUAL PROTECTIVE MEASURES

General: Eye wash fountain and emergency showers are recommended. Use personal protective equipment as required.
Eye protection: Wear safety glasses with side shields (or goggles).
Hand protection: Wear appropriate chemical resistant gloves.
Respiratory protection: If engineering controls do not maintain airborne concentrations below recommended exposure limits (where applicable) or to an acceptable level (in countries where exposure limits have not been established), an approved respirator must be worn.
Skin and body protection: Wear appropriate chemical resistant clothing.
Hygiene measures: When using do not smoke. Always observe good personal hygiene measures, such as washing after handling the material and before eating, drinking, and/or smoking. Routinely wash work clothing and protective equipment to remove contaminants. Contaminated work clothing should not be allowed out of the workplace.
Control parameters: Follow standard monitoring procedures.
Thermal hazards: Wear appropriate thermal protective clothing, when necessary.

Environmental exposure controls: Inform appropriate managerial or supervisory personnel of all environmental releases.

SECTION 9: PHYSICAL AND CHEMICAL PROPERTIES

9.1 INFORMATION ON BASIC PHYSICAL AND CHEMICAL PROPERTIES

Appearance: Viscous white liquid
Color: White
Form: Liquid
Odor: Strong Solvent
Odor Threshold: Not available
Physical State: Liquid
pH (at 20°C): Not applicable
Melting Point/Freezing Point: Not available
Initial Boiling Point and Boiling Range: Not available
Flash Point: 22°F/-5.56°C
Evaporation Rate: Not available
Flammability (solid, gaseous): Highly flammable liquid and vapor
Lower Flammability/Explosive Limit: Not available
Upper Flammability/Explosive Limit: Not available
Evaporation rate: Not available
Vapor Pressure (mm Hg @38°C): Not available
Vapor Density: Not available
Density (lb/gal): 13.59
Relative Density/Specific Gravity: 1.63
Solubility in water/miscibility: Not available
Partition coefficient: n-octanol/water: Not available
Auto-ignition Temperature: Not available
Decomposition Temperature: Not available
Viscosity (at 20°C) g/L: Not available
Oxidizing Properties: Not available
Explosive Properties: Not available
VOC: < 240 g/L (< 2.0028 lb/gal)
Solvent content - Organic: 0%
Solvent content - Water: 0%
Solvent content - Solids: 88.78%
Other information: Not available
Incompatibilities: None known. Avoid strong oxidizing agents.

SECTION 10: STABILITY AND REACTIVITY

10.1 REACTIVITY
The product is stable and non-reactive under normal conditions of use, storage and transport.

10.2 CHEMICAL STABILITY
Chemical stability: Material is stable under normal conditions.
Materials to avoid: The product is stable and non-reactive under normal conditions of use, storage and transport.

10.3 POSSIBILITY OF HAZARDOUS REACTIONS
Hazardous reactions: No dangerous reaction known under conditions of normal use.

10.4 CONDITIONS TO AVOID
Avoid heat, sparks, open flames and other ignition sources. Contact with incompatible materials.

10.5 INCOMPATIBLE MATERIALS
None known. Avoid strong oxidizing agents.

10.6 HAZARDOUS DECOMPOSITION PRODUCTS
Hazardous decomposition products: No hazardous decomposition products are known.
Hazardous polymerization: Does not occur.

Other information: Not available.

SECTION 11: TOXICOLOGICAL INFORMATION

11.1 INFORMATION ON TOXICOLOGICAL EFFECTS

Acute toxicity: May cause allergy or asthma symptoms or breathing difficulties if inhaled. Causes skin irritation. May cause an allergic skin reaction. Dermatitis. Rash.

Likely routes of exposure: Skin contact. Eye contact. Inhalation.

Eye: Causes serious eye irritation.

Skin: Causes skin irritation. May cause an allergic skin reaction. Dermatitis. Rash.

Ingestion: Not an expected route of exposure. Expected to be a low ingestion hazard.
Inhalation: May cause allergy or asthma symptoms or breathing difficulties if inhaled.

LD50/LC50 values relevant to this classification:

**Xylene (mixed isomers)**
- Oral rat LD50 3523-4000 mg/kg bw
- Oral rat LD50 5251-5627 mg/kg bw
- Oral rat LD50 4300 mg/kg bw
- Oral rat LD50 8400 mg/kg
- Derm rabbit LD50 >5000 ml/kg bw (4200 mg/kg)
- Inhal rat LC50 6700 ppm (29000 mg/m3)
- Inhal rat LC50 6247 ppm (27124 mg/m3)

**2,2,4-Trimethyl-1,3-pentanediol**
- Oral LD50: (Rat): 3,200 mg/kg
- Dermal LD50: (Guinea Pig): > 20 ml/kg
- Inhalation LC50 (Rat, 6 h): > 3.3 mg/l

**Ethylbenzene**
- Oral rat LD50 3500 mg/kg bw/day
- Oral rat LD50 5460 mg/kg bw/day
- Inhal mouse LC50 6.2 mg/L air
- Inhal rat LC0 > 400 ppm air, no deaths
- Inhal gp LC50 >3000 ppm air
- Inhal mice LC50 > 8000 ppm
- Inhal mouse LC50 35.5 mg/L air
- Inhal rat LC50 4000 ppm
- Derm rabbit LD50 mg/kg bw
- Derm rabbit LD50 mg/kg bw

**Butanone**
- Oral rat LD50 2193 mg/kg bw

**2,2-Bis(bromomethyl)propane-1,3-diol**
- Oral rat LD50 >2000 mg/kg bw
- Oral rat LD50 1691-2120 mg/kg bw
- Derm rabbit LD50 > 5000 mg/kg bw

**Toluene-diisocyanate, mixture of toluene-2,4-di-isocyanate and toluene-2,6-di-isocyanate**
- Oral mouse LD50 >2000 mg/kg bw
- Oral rat LD50 >2000 mg/kg bw (2 tests)
- Oral rat LD50 5840 mg/kg bw
- Inhal rat LC50 Combined = 66 ppm (95 % CL: 31 -141 ppm)
- Inhal rat LC50 350-360 mg/m3 air 4hr
- Inhal rat LC50 14.1-19 ppm air 6hr
- Derm rabbit LD50 > 9400 mg/kg bw no deaths

**Toluene**
- Oral rat LD50 >5000 mg/kg
- Oral rat LD50 > 5580 mg/kg bw
- Inhal rat LC50 > 20 mg/L
- Inhal mice LC50 5320 ppm
- Inhal mice LC50 6405 7436 ppm
- Inhal mice LC50 5879 6281 ppm
- Inhal rat LC50 12.5 28.8 mg/L air
- Derm rabbit LD50 > 5000 mg/kg bw
Calculated overall chemical acute toxicity values for this formulation:

<table>
<thead>
<tr>
<th></th>
<th>LC50 (inhalation)</th>
<th>LD50 (oral)</th>
<th>LD50 (dermal)</th>
</tr>
</thead>
<tbody>
<tr>
<td>≥5 mg/kg (dust and mist)</td>
<td>&gt;2000 mg/kg</td>
<td>≥2000 mg/kg</td>
<td></td>
</tr>
</tbody>
</table>

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

Skin corrosion/irritation:
Causes irritation. May cause redness and pain.

Serious eye damage/irritation:
Causes serious eye irritation.

Respiratory sensitization:
May cause allergy or asthma symptoms or breathing difficulties if inhaled.

Skin sensitization:
May cause an allergic skin reaction.

Symptoms and target organs:
Suspected of causing cancer. Prolonged exposure may cause chronic effects. Suspected of damaging the unborn child. May cause damage to organs <neurological/auditory> through prolonged or repeated exposure <inhalation>. May cause allergy or asthma symptoms or breathing difficulties if inhaled. Skin irritation. May cause redness and pain. May cause an allergic skin reaction. Dermatitis. Rash. Causes serious eye irritation. Symptoms may include stinging, tearing, redness, swelling, and blurred vision.

Chronic health effects:
Suspected of causing cancer. Prolonged exposure may cause chronic effects. Suspected of damaging the unborn child. May cause damage to organs <neurological/auditory> through prolonged or repeated exposure <inhalation>.

Carcinogenicity:
Suspected of causing cancer.

<table>
<thead>
<tr>
<th>Material</th>
<th>OSHA(O)</th>
<th>ACGIH(G)</th>
<th>NTP(N)</th>
<th>IARC(I)</th>
</tr>
</thead>
<tbody>
<tr>
<td>Ethylbenzene</td>
<td>Not listed</td>
<td>A3</td>
<td>Not listed</td>
<td>2B</td>
</tr>
<tr>
<td>Titanium dioxide (dust)</td>
<td>Not listed</td>
<td>A4</td>
<td>Not listed</td>
<td>2B</td>
</tr>
<tr>
<td>2,2-Bis(bromomethyl)propane-1,3-diol</td>
<td>Not listed</td>
<td>Not listed</td>
<td>R</td>
<td>2B</td>
</tr>
<tr>
<td>Toluene-diisocyanate, mixture of toluene-2,4-diisocyanate and toluene-2,6-di-isocyanate</td>
<td>CA</td>
<td>A4</td>
<td>R</td>
<td>2B (gas only)</td>
</tr>
</tbody>
</table>

Mutagenicity:
No data available to indicate product or any components present at greater than 0.1% are mutagenic or genotoxic.

Reproductive Toxicity:
Suspected of damaging the unborn child.

Specific Target Organ Toxicity (STOT):

Single Exposure:
Not classified as an STOT - Single Exposure.

Repeated Exposure:
N May cause damage to organs <neurological/auditory> through prolonged or repeated exposure <inhalation>.

Aspiration Toxicity:
Based on available data, this product is not expected to cause aspiration toxicity.

Other Information:
Not available.

12.1 ECOTOXICITY

Ecotoxicity:
Toxic to aquatic life.
Acute aquatic toxicity: Toxic to aquatic life. Toxic to aquatic life with long lasting effects.
Chronic toxicity: Toxic to aquatic life with long lasting effects.
Environmental effects: An environmental hazard cannot be excluded in the event of unprofessional handling or disposal.

12.2 PERSISTENCE AND DEGRADABILITY
Persistence/biodegradability: The product contains substances which are not expected to be readily biodegradable.

12.3 BIOACCUMULATIVE POTENTIAL
Bioaccumulation: No data available.

12.4 MOBILITY
Mobility: No data available.
Mobility in soil: No data available.
Mobility in non-soil: No data available.

12.5 OTHER ADVERSE EFFECTS
Ozone layer: No data available.

SECTION 13: DISPOSAL CONSIDERATIONS

13.1 WASTE TREATMENT METHODS
Disposal method: This material must be disposed of in accordance with all local, state, provincial, and federal regulations.
Contaminated packaging: Since emptied containers may retain product residue, follow label warnings even after container is emptied. Dispose of contents and container in accordance with all local, regional, national and international regulations.
EU codes: The Waste code should be assigned in discussion between the user, the producer and the waste disposal company.
Residual waste: Dispose of in accordance with local regulations. Empty containers or liners may retain some product residues. This material and its container must be disposed of in a safe manner (see: Disposal instructions).
Disposal instructions: Collect and reclaim or dispose in sealed containers at licensed waste disposal site. Dispose of contents and container in accordance with all local, regional, national and international regulations.
Waste codes: D001: Waste Flammable material with a flash point <140⁰F(<60⁰C) The Waste code should be assigned in discussion between the user, the producer and the waste disposal company.
Other disposal recommendations: None

SECTION 14: TRANSPORT INFORMATION

DOT Non-Bulk
UN: UN1263
Proper shipping name: PAINT
Hazard class: 3
Packing group: PG II

DOT Bulk
UN: UN1263
Proper shipping name: PAINT
Hazard class: 3
Packing group: PG II

IMDG
UN: UN1263
Proper shipping name: PAINT
Hazard class: 3

ICAO/IATA
UN: UN1263
Proper shipping name: PAINT
Hazard class: 3
Packing group: PG II

Reportable quantity: Package sizes shipped in quantities less than the product reportable quantity are not subject to the RQ (reportable quantity) transportation requirements.

This information is not intended to convey all specific regulatory or operational requirements/information relating to this product. Additional transportation system information can be obtained through an authorized sales or customer service representative. It is the responsibility of the transporting organization to follow all applicable laws, regulations and rules relating to the transportation of the material.

SECTION 15: REGULATORY INFORMATION

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

US Federal Regulations:

U.S. OSHA (Occupational Safety and Health Administration) Specifically Regulated Substances (29 CFR 1910.1001-1050)
The following components of this product are found at concentrations greater than or equal to 0.1% and are listed as U.S. OSHA Specifically Regulated Substances.

<table>
<thead>
<tr>
<th>Material</th>
<th>CAS No.</th>
<th>Amount</th>
</tr>
</thead>
<tbody>
<tr>
<td>Toluene-diisocyanate, mixture of toluene-2,4-di-isocyanate and toluene-2,6-di-isocyanate</td>
<td>26471-62-5</td>
<td>2.4%</td>
</tr>
</tbody>
</table>

SARA/CERCLA reporting requirements:
The following components of this product are found at concentrations greater than or equal to 0.1% and are subject to SARA/CERCLA reporting requirements.

<table>
<thead>
<tr>
<th>Material</th>
<th>SARA 302 (EHSs) TPQ</th>
<th>SARA 304 EHSs RQ</th>
<th>CERCLA RQ</th>
<th>SARA 313 listed</th>
<th>RCRA CODE</th>
<th>CAA 112(r) TQ</th>
</tr>
</thead>
<tbody>
<tr>
<td>Xylene (mixed isomers)</td>
<td>Not listed</td>
<td>Not listed</td>
<td>100</td>
<td>313</td>
<td>U239</td>
<td>Not listed</td>
</tr>
<tr>
<td>Ethylbenzene</td>
<td>Not listed</td>
<td>Not listed</td>
<td>1,000</td>
<td>313</td>
<td>Not listed</td>
<td>Not listed</td>
</tr>
<tr>
<td>Butanone</td>
<td>Not listed</td>
<td>Not listed</td>
<td>5,000</td>
<td>Not listed</td>
<td>U159</td>
<td>Not listed</td>
</tr>
<tr>
<td>2,2-Bis(bromomethyl)propane-1,3-diol</td>
<td>Not listed</td>
<td>Not listed</td>
<td>Not listed</td>
<td>313</td>
<td>Not listed</td>
<td>Not listed</td>
</tr>
<tr>
<td>Toluene-diisocyanate, mixture of toluene-2,4-di-isocyanate and toluene-2,6-di-isocyanate</td>
<td>Not listed</td>
<td>Not listed</td>
<td>100</td>
<td>X</td>
<td>U223</td>
<td>10,000</td>
</tr>
<tr>
<td>Toluene</td>
<td>Not listed</td>
<td>Not listed</td>
<td>1,000</td>
<td>313</td>
<td>U220</td>
<td>Not listed</td>
</tr>
</tbody>
</table>

State Right-to-Know Regulations
The following components of this product are found at concentrations greater than or equal to 0.1% and subject to state Right-to-Know reporting requirements or are listed as California Proposition 65 chemicals at any concentration.

<table>
<thead>
<tr>
<th>Material</th>
<th>California Proposition 65</th>
<th>Massachus etts Right-to-Know</th>
<th>Minnesota Employee Right-to-Know</th>
<th>New Jersey Community Environmental Hazard Right-to-Know</th>
<th>New Jersey Right-to-Know Substance</th>
<th>Pennsylvania Right-to-Know</th>
<th>Rhode Island Right-to-Know</th>
</tr>
</thead>
<tbody>
<tr>
<td>Xylene (mixed isomers)</td>
<td>Not listed</td>
<td>Listed</td>
<td>Listed</td>
<td>Not listed</td>
<td>Listed</td>
<td>Listed</td>
<td>Listed</td>
</tr>
<tr>
<td>Propane-1,2-diol, propoxylated</td>
<td>Not listed</td>
<td>Not listed</td>
<td>Not listed</td>
<td>Not listed</td>
<td>Not listed</td>
<td>Not listed</td>
<td>Not listed</td>
</tr>
</tbody>
</table>
Global Inventories:

<table>
<thead>
<tr>
<th></th>
<th>US - TSCA</th>
<th>Canada -DSL</th>
<th>Canada - NDSL</th>
<th>EU - EINECS</th>
<th>EU - ELINCS</th>
<th>EU - NLP</th>
<th>Australia – AICS</th>
<th>China - EICSC</th>
<th>Japan - ENCS</th>
<th>Korea - KECI</th>
<th>Taiwan - NECI</th>
<th>New Zealand - NZioC</th>
<th>Philippine - PICCS</th>
</tr>
</thead>
<tbody>
<tr>
<td>Ethylbenzene</td>
<td>All substances are listed</td>
<td>Not all substances are listed</td>
<td>At least 1 substance is listed</td>
<td>Not all substances are listed</td>
<td>No substances are listed</td>
<td>At least 1 substance is listed</td>
<td>Not all substances are listed</td>
<td>All substances are listed</td>
<td>Not all substances are listed</td>
<td>Not all substances are listed</td>
<td>Not all substances are listed</td>
<td>Not all substances are listed</td>
<td></td>
</tr>
<tr>
<td>Titanium dioxide (dust)</td>
<td>cancer</td>
<td>Listed</td>
<td>Listed</td>
<td>Listed</td>
<td>Listed</td>
<td>Listed</td>
<td>Listed</td>
<td>Listed</td>
<td>Listed</td>
<td>Listed</td>
<td>Listed</td>
<td>Listed</td>
<td></td>
</tr>
<tr>
<td>Butanone</td>
<td>Not listed</td>
<td>Not listed</td>
<td>Not listed</td>
<td>Not listed</td>
<td>Not listed</td>
<td>Not listed</td>
<td>Not listed</td>
<td>Not listed</td>
<td>Not listed</td>
<td>Not listed</td>
<td>Not listed</td>
<td>Not listed</td>
<td></td>
</tr>
<tr>
<td>2,2-Bis(bromomethyl)propane-1,3-diol</td>
<td>cancer</td>
<td>Not listed</td>
<td>Not listed</td>
<td>Not listed</td>
<td>Not listed</td>
<td>Not listed</td>
<td>Not listed</td>
<td>Not listed</td>
<td>Not listed</td>
<td>Not listed</td>
<td>Not listed</td>
<td>Not listed</td>
<td></td>
</tr>
<tr>
<td>Toluene-diisocyanate, mixture of toluene-2,4-di-isocyanate and toluene-2,6-di-isocyanate</td>
<td>cancer</td>
<td>Not listed</td>
<td>Not listed</td>
<td>Not listed</td>
<td>Not listed</td>
<td>Not listed</td>
<td>Not listed</td>
<td>Not listed</td>
<td>Not listed</td>
<td>Not listed</td>
<td>Not listed</td>
<td>Not listed</td>
<td></td>
</tr>
<tr>
<td>Toluene</td>
<td>Dev</td>
<td>Listed</td>
<td>Listed</td>
<td>Listed</td>
<td>Listed</td>
<td>Listed</td>
<td>Listed</td>
<td>Listed</td>
<td>Listed</td>
<td>Listed</td>
<td>Listed</td>
<td>Listed</td>
<td></td>
</tr>
<tr>
<td>Silicon dioxide</td>
<td>Not listed</td>
<td>Listed</td>
<td>Listed</td>
<td>Listed</td>
<td>Listed</td>
<td>Listed</td>
<td>Listed</td>
<td>Listed</td>
<td>Listed</td>
<td>Listed</td>
<td>Listed</td>
<td>Listed</td>
<td></td>
</tr>
<tr>
<td>Phenol, 2,6-bis(1,1-dimethyl)-4-methyl</td>
<td>Not listed</td>
<td>Listed</td>
<td>Listed</td>
<td>Listed</td>
<td>Listed</td>
<td>Listed</td>
<td>Listed</td>
<td>Listed</td>
<td>Listed</td>
<td>Listed</td>
<td>Listed</td>
<td>Listed</td>
<td></td>
</tr>
<tr>
<td>Soybean oil, epoxidized</td>
<td>Not listed</td>
<td>Not listed</td>
<td>Not listed</td>
<td>Not listed</td>
<td>Not listed</td>
<td>Not listed</td>
<td>Not listed</td>
<td>Not listed</td>
<td>Not listed</td>
<td>Not listed</td>
<td>Not listed</td>
<td>Not listed</td>
<td></td>
</tr>
</tbody>
</table>

EU - REACH Status:
A registration number is not available for substances in this mixture as the substances are exempted from registration, the annual tonnage does not require a registration or the registration is envisioned for a later registration deadline.

CANADA – WHMIS (Workplace Hazardous Materials Information System) Classification:
B2, D2A, D2B

MEXICO:
- Hazard Classification: 2-3-0
- Carcinogen Status: Carcinogen

SECTION 16: OTHER INFORMATION

HMIS (Hazardous Materials Identification System) rating:

<table>
<thead>
<tr>
<th>Category</th>
<th>Rating</th>
</tr>
</thead>
<tbody>
<tr>
<td>Health</td>
<td>2*</td>
</tr>
<tr>
<td>Flammability</td>
<td>3</td>
</tr>
<tr>
<td>Physical</td>
<td>0</td>
</tr>
</tbody>
</table>
NFPA 704 (National Fire Protection Association) rating:

<p>| | |</p>
<table>
<thead>
<tr>
<th></th>
<th></th>
</tr>
</thead>
<tbody>
<tr>
<td>Health</td>
<td>2</td>
</tr>
<tr>
<td>Fire</td>
<td>3</td>
</tr>
<tr>
<td>Reactivity</td>
<td>0</td>
</tr>
</tbody>
</table>

Legend:
- DOT: US Department of Transportation
- IATA: International Air Transport Association
- ICAO: International Civil Aviation Organization
- IMDG: International Maritime Dangerous Goods
- ACGIH: American Conference of Governmental Industrial Hygienists
- NTP: National Toxicology Program
- IARC: International Agency for Research on Cancer
- PPE: Personal Protective Equipment
- RCRA: Resource Conservation and Recovery Act
- CAA: Clean Air Act
- SARA: Superfund Amendments and Reauthorization Act
- EPCRA: Emergency Planning and Community Right-to-Know Act
- WHMIS: Workplace Hazardous Materials Information System
- EU: European Union
- REACH: Regulation on Registration, Evaluation, Authorisation and Restriction of Chemicals
- CERCLA: Comprehensive Environmental Response, Compensation and Liability Act
- TSCA: US Toxic Substances Control Act (TSCA)
- DSL: Canada Domestic Substance List (DSL)
- NDSL: Canada Non-Domestic Substance List (NDSL)
- EINECS: European Inventory of Existing Commercial Chemical Substances (EINECS)
- ELINCS: European List of Notified Chemical Substances (ELINCS)
- NLP: European list of No-longer Polymers (NLP)
- AICS: Australian Inventory of Chemical Substances (AICS)
- EIISC: China Existing Chemical Inventory - IECSC
- ENCS: Japanese Existing and New Chemicals Inventory (JEICSC)
- KECI: Korea Existing Chemicals Inventory (KECI)
- NECI: Taiwan National Existing Chemical Inventory (NECI)
- NZIoC: New Zealand Inventory of Chemicals (NZIoC)
- PICCS: Philippine Inventory of Chemicals and Chemical Substances (PICCS)
- HMIS: Hazardous Materials Identification System
- NFPA: National Fire Protection Association (NFPA)

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Prepared by: Gaco Western LLC

End of Safety Data Sheet