

MSDS **Material Safety Data Sheet**

ADVANCED POLYMER TECHNOLOGY



QUALIPUR 2500 PART A

MSDS Number: 5584

Revision Date: 5/15/08

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1 PRODUCT AND COMPANY IDENTIFICATION

Manufacturer

Advanced Polymer Technology
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Harmony, PA 16037

Contact: Senior Chemist
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Product Name: QUALIPUR 2500 PART A
Revision Date: 5/15/08
MSDS Number: 5584
Chemical Family: Polyester Resin Based Adhesive

This product is not hazardous under the criteria of the Federal OSHA Hazard Communication Standard 29 CFR 1910.1200.

Transportation emergency phone number: Chemtel 800-255-3924

2 HAZARDS IDENTIFICATION

Route of Entry: Inhalation, eye and skin contact.
Target Organs: Eyes; Respiratory System; Skin;
Inhalation: Material is low in volatility and therefore not likely to pose a problem for inhalation.
Skin Contact: There are no known significant toxic effects observed for products of this chemical family. Certain polyester-based coatings have been shown to cause eye irritation or slight skin irritation in animal tests.
Eye Contact: Liquid, aerosols and mist may irritate the eyes and can cause tearing, redness and swelling. If left untreated, corneal damage can occur and injury is slow to heal.
Ingestion: There are no known significant toxic effects observed for products of this chemical family. Swallowing can result in irritation of the digestive tract. Symptoms can include sore throat, abdominal pain, nausea, vomiting and diarrhea.

3 COMPOSITION/INFORMATION ON INGREDIENTS

Ingredients:

Cas #	Chemical Name	Perc.
7727437	Barium sulfate	50-60%
Proprietary	Polyester Polyol	40-50%
12736968	Silicic acid, aluminum potassium sodium	3-5%

OSHA Regulatory Status:

This MSDS contains valuable information critical to the safe handling and proper use of this product. This MSDS should be retained and available for employees and other users of this product.



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4 FIRST AID MEASURES

- Inhalation:** Move individual to fresh air and administer oxygen or artificial respiration as needed. Obtain medical attention.
- Skin Contact:** In case of skin contact, remove any contaminated clothing and wash skin thoroughly with soap and water. Wash contaminated clothing thoroughly before reuse.
- Eye Contact:** If splashed into the eyes, flush with clean, lukewarm water (low pressure) for 15 minutes or until irritation subsides. If irritation persists, call a physician.
- Ingestion:** DO NOT INDUCE VOMITING. Give 1 to 2 cups of milk or water to drink. DO NOT GIVE ANYTHING BY MOUTH TO AN UNCONSCIOUS PERSON. Get prompt, qualified medical attention.

5 FIRE FIGHTING MEASURES

- Flash Point:** > 392 DEG F (200 DEG C)
Flash Point Method: DIN 51758

Water, CO₂, dry chemical, foam.

Emergency equipment including self-contained breathing apparatus and full protective clothing should be worn by fire fighters. Use cold water spray to cool fire exposed containers to minimize risk of rupture. Material supports combustion. During a fire, irritating and toxic gases may be generated by thermal decomposition or combustion.

6 ACCIDENTAL RELEASE MEASURES

Dike or impound material and control further spillage if feasible. Cover spill with absorbent material such as sawdust, sand, sweeping compound, vermiculite or diatomaceous earth; collect material for disposal. Wash spill area with hot water.

7 HANDLING AND STORAGE

- Handling Precautions:** Containers should be tightly closed to prevent contamination with foreign materials and moisture. After partial use, pails must be tightly closed and used up as soon as possible. If contamination with isocyanates is suspected, do not reseal containers. Employee education and training in safe handling of this product are recommended.
- Storage Requirements:** Store in cool/dry area between 40-90 DEG F (4-32 DEG C). This material is storable for at least one year in sealed and unopened containers when kept dry and cool. Material is hygroscopic and may absorb small amounts of atmospheric moisture.

8 EXPOSURE CONTROLS/PERSONAL PROTECTION

- Engineering Controls:** Educate and train employees in safe use of this product. Follow all label instruction. All ventilation should be designed in accordance with OSHA standard (29 CFR 1910.94).
- Protective Equipment:** Use splash goggles or safety glasses. Use chemical resistant gloves to avoid prolonged or repeated skin contact. A respirator may be recommended for certain applications; consider type of application and environmental concentrations. Take into account other materials being used concurrently. Observe OSHA regulations for respirator use (29 CFR 1910.134). Use chemical-resistant apron or other impervious clothing, if needed, to avoid contaminating regular clothing which could result in prolonged or repeated skin contact. Clean, fresh running water should be easily accessible to the work area. Avoid prolonged or repeated contact with skin. Remove



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contaminated clothing; launder or dry-clean before reuse. Remove contaminated shoes and thoroughly clean and dry before reuse. Cleanse skin thoroughly after contact, before breaks and meals, and at the end of the work period. Product is readily removed from skin by water-free hand cleaners followed by washing thoroughly with soap and water.

Exposure Guidelines/Other: Exposure Limits: Not Established

9 PHYSICAL AND CHEMICAL PROPERTIES

Appearance:	Pigmented Thixotropic liquid	Boiling Point:	Not established
Physical State:	Liquid	Freezing/Melting Pt.:	Not established
Odor:	Negligible	Solubility:	Insoluble in Water
pH:	N.A.	Spec Grav./Density:	1.65 @ 68 DEG F (20 DEG C)
Vapor Pressure:	Not established		
Vapor Density:	Not established		
VOC:	0 g/L		
Bulk Density:	13.8 lbs/gal		

10 STABILITY AND REACTIVITY

Stability:	Product is stable under normal conditions.
Conditions to avoid:	Oxidation promoting conditions (Heat, Sunlight and Air).
Materials to avoid (incompatibility):	Strong Oxidizing Agents.
Hazardous Decomposition products:	By fire - CO and CO2 and other aliphatic fragments which have not been determined.
Hazardous Polymerization:	Will not occur.

11 TOXICOLOGICAL INFORMATION

Not Established

12 ECOLOGICAL INFORMATION

Bioaccumulative potential: Not established

Ecotoxicity: Not established

Elimination (persistency and degradability): Not established

13 DISPOSAL CONSIDERATIONS



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Waste and container disposal must be in accordance with federal, state or local environmental control regulations. Empty containers must be handled with care due to product residue. DO NOT HEAT OR CUT EMPTY CONTAINERS WITH ELECTRIC OR GAS TORCH.

Recommendation: consultation with the disposal agency and the relevant authorities; cleansing agent is water.

14 TRANSPORT INFORMATION

DOT (HM-181; DOMESTIC SURFACE)

D.O.T. SHIPPING NAME:	Polyester Resin Based Adhesive
D.O.T. HAZARD CLASS:	NON REGULATED
UN/NA NUMBER:	None
PACKAGING GROUP:	None
D.O.T. LABEL:	None
D.O.T. PLACARD:	None

ICAO/IATA (AIR)

PROPER SHIPPING NAME:	Polyester Resin Based Adhesive
HAZARD CLASS DIVISION NUMBER:	NON REGULATED
UN NUMBER:	None
SUBSIDIARY RISK:	None
PACKING GROUP:	none
HAZARD LABEL(S):	none
RADIOACTIVE?:	Non-radioactive
PASSENGER AIR - MAXIMUM QUANTITY:	none
PACKING INSTRUCTION NUMBER:	none
CARGO AIR - MAXIMUM QUANTITY:	none
PACKING INSTRUCTION NUMBER:	none

IMO/IMDG CODE (OCEAN)

PROPER SHIPPING NAME:	Polyester Resin Based Adhesive
HAZARD CLASS DIVISION NUMBER:	NON REGULATED
UN NUMBER:	none
PACKING GROUP:	none
HAZARD LABEL(S):	none
HAZARD PLACARD(S):	none

15 REGULATORY INFORMATION

COMPONENT / (CAS/PERC) / CODES

*Barium sulfate (7727437 50-60%) MASS, OSHAWAC, PA, TXAIR

TSCA: All components in this mixture are included on the TSCA inventory.

REGULATORY KEY DESCRIPTIONS

MASS = MA Massachusetts Hazardous Substances List
OSHAWAC = OSHA workplace Air Contaminants
PA = PA Right-To-Know List of Hazardous Substances
TXAIR = TX Air Contaminants with Health Effects Screening Level

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OTHER INFORMATION

Disclaimer:

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END OF MSDS DOCUMENT