

**PRO CHEM, INC.**

1475 BLUEGRASS LAKES PKWY.  
ALPHARETTA, GA 30004  
EMERGENCY/INFO # (800) 241-8180  
ADDITIONAL EMERGENCY # INFO TRAC 1-800-535-5053

**MATERIAL SAFETY DATA SHEET****DURA SEAL / 2489****JUNE 2008****PAGE 1**

HEALTH	2
FIRE	0
REACTIVITY	0
P.P.E.	B

Complies With USDL Safety and Health Regulations, (29 CFR 1910.200)

**SECTION 1 – Chemical and Company Identification****CHEMICAL FAMILY:** Water Borne Epoxy – Light Gray: PART A**SECTION 2 – Composition on Ingredients**

CHEMICAL NAME	CAS #	WT. % <	(TLV-TWA)	OCCUPATIONAL EXPOSURE LIMITS (TLV-STEL)	(PEL)	VAPOR PRESSURE MgHg 20C	KNOWN/SUSPECTED CARCINOGEN	SEC 313
Titanium Dioxide	13463-67-7	10.0%	10 mg/m <sup>3</sup>	No Info	No Info	0.0	NO	NO
Polyethylene Polyamine	68410-23-1	20.0%	No Info	No Info	No Info	21.0	NO	NO
Isopropyl Alcohol	67-63-0	5.0%	400 PPM	500 PPM	400 PPM	37.0	NO	NO

This product contains one or more materials subject to the reporting requirements of section 313 of the Emergency Planning and the Community Right-to-Know Acts of 1986 and of 40 CFR 372.

**SECTION 3 – Hazards Information****EFFECTS OF OVEREXPOSURE:****INHALATION:** Irritation to respiratory tract, headache, dizziness, and nausea.**MEDICAL CONDITIONS PRONE TO AGGRAVATION BY EXPOSURE:** Allergy and skin conditions.**PRIMARY ROUTES OF ENTRY:** Dermal, Inhalation, Ingestion.**SECTION 4 – First Aid Measures****EMERGENCY & FIRST AID PROCEDURES:****INHALATION:** Remove victim to fresh air. Restore breathing. Consult a physician.**SKIN CONTACT:** Flush with water.**EYE CONTACT:** Flush immediately with large amounts of water. Consult a physician.**SECTION 5 – Fire Fighting Measures****FLAMMABILITY CLASSIFICATION:** OSHA – Not Applicable

DOT – Not Regulated

**EXTINGUISHING MEDIA:** Carbon dioxide, dry chemical, foam, alcohol, water, fog**FLASH POINT:** N.A., Cleveland Open Cup **LEL:** N.A. **UEL:** N.A.**UNUSUAL FIRE AND EXPLOSION HAZARDS:** Water may be used to cool closed containers not involved in the fire itself. To prevent pressure build-up and possible autoignition or explosion when exposed to extreme heat.**SPECIAL FIRE FIGHTING PROCEDURES:** Fire fighters should wear NIOSH/OSHA approved pressure demand, self contained breathing apparatus. Spill will make surface slippery – exercise due caution.**SECTION 6 – Accidental Release Measures****STEPS TO BE TAKEN IN CASE MATERIAL IS RELEASED OR SPILLED:** Use absorbent material such as clay or diatomaceous earth to clean up. Sweep up powder and put in DOT approved waste containers.**SECTION 7 – Handling and Storage****PRECAUTIONS TO BE TAKEN IN HANDLING & STORAGE:** Do not let personnel use without proper safety hazard training.**OTHER PRECAUTIONS:** All containers should be disposed of in an environmentally safe manner or returned to a drum reconditioner. Wash off all equipment before any burning or welding operation.**SECTION 8 – Exposure Controls/Personal Protection****RESPIRATORY PROTECTION:** None usually required. In a fire or confined area, use NIOSH approved, self contained breathing apparatus.**VENTILATION:**

Sufficient ventilation in volume and pattern should be provided to keep air contamination below current applicable OSHA Permissible Exposure Limits or ACGIH's TLV Limit.

**PROTECTIVE GLOVES:**

Use impermeable gloves.

**EYE PROTECTION:**

Chemical goggles with side shields or face shield recommended.

**OTHER PROTECTIVE CLOTHING OR EQUIPMENT:** Impervious boots and apron to minimize skin contact.**HYGIENIC PRACTICES:**

Wash hands before and after use.

**SECTION 9 – Physical and Chemical Properties**

<b>BOILING RANGE:</b>	212°F	<b>VAPOR DENSITY:</b>	Is heavier than air
<b>ODOR:</b>	Slight	<b>EVAPORATION RATE:</b>	Is slower than ether
<b>APPEARANCE:</b>	Gray Viscous	<b>SOLUBILITY:</b>	Complete
<b>VOLATILE BY WEIGHT:</b>	8.8%	<b>PRODUCT DENSITY:</b>	9.2 lbs./gal. (U.S.)
<b>VOLATILE BY VOLUME:</b>	10.23%		

**SECTION 10 – Stability and Reactivity****STABILITY:** This product is stable under normal storage conditions.**HAZARDOUS POLYMERIZATION:** Will not occur under normal conditions.**HAZARDOUS DECOMPOSITION PRODUCTS:** Combustion may yield carbon monoxide and/or carbon dioxide.**CONDITIONS TO AVOID:** Do not store or use near open flames or in areas of high temperatures.**INCOMPATIBILITY:** Strong oxidants, alkalis. Chlorine, hypochlorous acid, sodium hypochlorite.**SECTION 11 – Toxicological Information**

No Data Available.

**SECTION 12 – Ecological Information**

No Data Available

**SECTION 13 – Disposal Consideration****WASTE DISPOSAL METHOD:** Check company's policy on disposal. Disposal should be in accordance with local, state and federal regulations.**SECTION 14 – Transport Information**

No Data Available.

**SECTION 15 – Regulatory Information****CALIFORNIA PROPOSITION 65:** Not Listed**PENNSYLVANIA RIGHT TO KNOW:** Requires listing – see Section II Hazardous Ingredients. The specific formulation is a trade secret. Information is available to health professionals as specified in Section 317.3 of the program.**SECTION 16 – Other Information**

The information contained herein is, to the best of our knowledge and belief, accurate. However, since the conditions of handling and use are beyond our control, we make no guarantee of results, and assume no liability for damages incurred by use of this material. It is the responsibility of the user to comply with all applicable federal, state and local laws and regulations.

THIS INFORMATION MUST BE ON ALL MSDS'S COPIED AND DISTRIBUTED FOR THIS MATERIAL.

**NO WARRANTY IS EXPRESSED/IMPLIED REGARDING THE ACCURACY OF THIS DATA OR RESULTS OBTAINED FROM USE. PROCHEM ASSUMES NO RESPONSIBILITY FOR PERSONAL INJURY OR PROPERTY DAMAGE TO USER. VENDEE/USER ASSUMES ALL RISKS ASSOCIATED WITH USE.**

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**SECTION 1 – Chemical and Company Identification****CHEMICAL FAMILY:** Water Borne Epoxy – Light Gray: PART B**SECTION 2 – Composition on Ingredients**

CHEMICAL NAME	CAS #	WT. % <	(TLV-TWA)	OCCUPATIONAL EXPOSURE LIMITS (TLV-STEL)	(PEL)	VAPOR PRESSURE mmHg 20C	KNOWN/SUSPECTED CARCINOGEN	SEC 313
Bisphenol A Diglycidyl Ether Resin	25068-38-6	100.0%	No Info	No Info	No Info	1.0	NO	NO

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**SECTION 3 – Hazards Information****EFFECTS OF OVER EXPOSURE:****INHALATION:** Irritation to respiratory tract, headache, dizziness, and nausea.**MEDICAL CONDITIONS PRONE TO AGGRAVATION BY EXPOSURE:** Allergy and skin conditions.**PRIMARY ROUTES OF ENTRY:** Dermal**SECTION 4 – First Aid Measures****EMERGENCY & FIRST AID PROCEDURES:****SKIN:** Wash thoroughly with soap and water.**EYES:** Flush with large amounts of cool water for at least 15 minutes – consult a physician.**INHALATION:** Remove to fresh air, administer oxygen if available to restore breathing.**SECTION 5 – Fire Fighting Measures****FLAMMABILITY CLASSIFICATION:** OSHA – Not Applicable  
DOT – Not Regulated**EXTINGUISHING MEDIA:** Carbon dioxide, dry chemical, foam**FLASH POINT:** >200°F, Cleveland Open Cup **LEL:** N.A. **UEL:** N.A.**UNUSUAL FIRE AND EXPLOSION HAZARDS:** Decomposition and combustion products may be toxic.**SPECIAL FIRE FIGHTING PROCEDURES:** Fire fighters should wear NIOSH/OSHA approved pressure demand, self contained breathing apparatus.**SECTION 6 – Accidental Release Measures****STEPS TO BE TAKEN IN CASE MATERIAL IS RELEASED OR SPILLED:** Keep unnecessary persons out of area and away from spill. Pick up with absorbent material. Sweep up powder and put in DOT waste containers.**SECTION 7 – Handling and Storage****PRECAUTIONS TO BE TAKEN IN HANDLING & STORAGE:** Read complete directions and precautions before use. Store in a cool dry area with ventilation suitable for storing materials shown in section II. Keep out of reach of children. Do not let personnel use without proper safety hazard training.**OTHER PRECAUTIONS:** All containers should be disposed of in an environmentally safe manner or returned to a drum reconditioner.**SECTION 8 – Exposure Controls/Personal Protection****RESPIRATORY PROTECTION:** NIOSH/OSHA approve respirator types suitable for materials in section II recommended. Approved chemical/mechanical filters recommended when ventilation is restricted.**VENTILATION:** Sufficient ventilation in volume and pattern should be provided to keep air contamination below current applicable OSHA Permissible Exposure Limits or ACGIH's TLV Limit.**PROTECTIVE GLOVES:** Use impermeable gloves.**EYE PROTECTION:** Chemical goggles with side shields or face shield recommended.**OTHER PROTECTIVE CLOTHING OR EQUIPMENT:** Use of barrier cream recommended.**HYGIENIC PRACTICES:** Wash hands before and after use.**SECTION 9 – Physical and Chemical Properties**

<b>BOILING RANGE:</b>	200-0°F	<b>VAPOR DENSITY:</b>	Is heavier than air
<b>ODOR:</b>	Slight	<b>EVAPORATION RATE:</b>	Is slower than ether
<b>APPEARANCE:</b>	Clear Liquid	<b>SOLUBILITY:</b>	None
<b>VOLATILE BY WEIGHT:</b>	0.0%	<b>PRODUCT DENSITY:</b>	9.8 lbs./gal. (U.S.)
<b>VOLATILE BY VOLUME:</b>	0.0%		

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No Data Available.

**SECTION 12 – Ecological Information**

No Data Available

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