



AKRON DISPERSIONS

3291 Sawmill Road
P.O. Box 4195
Akron, Ohio 44321

Phone: 330-666-0045
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Product Data Sheet

Product:

BOSTEX 497D

Description:

A 60% active aqueous dispersion of rutile grade Titanium Dioxide.

Specifications:

Appearance / Color :	White to Off-White
Active Solids :	60%
Total Solids :	61.0% - 63.0%
pH :	9.0 - 10.0
Viscosity :	1000 - 4000 cps(RVF #3 @ 10 RPMs)
Odor :	Slightly Ammoniacal
Storage :	Protect from freezing. Stir before using.
Recommended Shelf Life :	6 Months

Revised: 05/18/05

Supercedes: 11/19/97

Revised by: Diane M. Hunsicker



AKRON DISPERSIONS, INC.

MATERIAL SAFETY DATA SHEET

Page 1 of 3

SECTION 1 PRODUCT IDENTIFICATION & EMERGENCY INFORMATION

PRODUCT NAME: **Bostex 497D**

CHEMICAL NAME: Aqueous Mixture of Titanium Dioxide(CAS# 13463-67-7), Aluminum Hydroxide (CAS# 21645-51-2), Sodium Salts of Polymerized Alkylphthalenesulfonic Acid (CAS# 9084-06-4/36290-04-7)

MANUFACTURER: Akron Dispersions, Inc.
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SECTION 2 HAZARDOUS INGREDIENT INFORMATION

Titanium Dioxide(CAS# 13463-67-7): 51.6 - 58.2%
Aluminum Hydroxide(CAS# 21645-51-2): Up to 6% Max.
Formaldehyde(CAS# 50-00-0): <0.0015%
Naphthalene(CAS# 91-20-3): <0.0006%
Quinoline(CAS# 91-22-5): <0.006%

SECTION 3 HAZARDS IDENTIFICATION

Health Hazards(Acute and Chronic): May cause drying or irritation of mucous membranes and skin. Not for use in medical articles intended for permanent implantation in the human body or in permanent contact with internal body fluids or tissues. May contain <0.0015% Formaldehyde, <0.0006% Naphthalene, and <0.006% Quinoline, known to the State of California to cause cancer.

HMIS: Health-0 Flammability-0 Reactivity-0 Personal Protection-B

SECTION 4 FIRST AID MEASURES

Eye Contact: Flush with large amounts of water for at least 15 minutes. Consult a physician if irritation persists.

Skin Contact: Wash affected area with soap and water. Consult a physician if irritation persists.

Inhalation: Remove to fresh air. If breathing is difficult, seek medical attention.

Ingestion: Dilute with one or more glasses of water. Seek medical advice.

SECTION 5 FIRE & EXPLOSION HAZARD

Flashpoint: N/D Flammable Limits: N/D

General Hazard: Wear MSHA-NIOSH approved Self-Contained Breathing Apparatus

Extinguishing Media: CO₂, Dry Chemical, Waterspray, Foam

Decomposition Products Under Fire Conditions: Oxides of Sulfur, Carbon, and Sodium

SECTION 6 ACCIDENTAL RELEASE MEASURES

Steps To Be Taken In Case Material Is Released Or Spilled: Absorb with inert material. Sweep, vacuum, or shovel into appropriate container.

SECTION 7 HANDLING AND STORAGE

Storage: Store in a cool, dry area.
Storage Temperature: Above 32°F

SECTION 8 EXPOSURE CONTROLS AND PERSONAL PROTECTION

OSHA Regulation 29CFR1910.1000 requires the following PEL Limits: N/D
The ACGIH recommends the following Occupational Exposure Limit: N/D
Personal Protection: Gloves and Goggles recommended
Ventilation: Local Exhaust

SECTION 9 TYPICAL PHYSICAL & CHEMICAL PROPERTIES

Product Appearance: White to Off-White Liquid/Slight Ammoniacal Odor

Boiling Point(°F): 212	Freezing Point(°F): 32
Vapor Pressure(@150°C): N/A	Specific Gravity(Approx.): N/D
Vapor Density: N/A	% Volatile by Volume: 40%
Solubility in Water: Miscible	Evaporation Rate: N/A
pH: 9.0-10.0	

SECTION 10 STABILITY AND REACTIVITY DATA

Stability: Stable
Conditions To Avoid Instability: None Known
Materials And Conditions To Avoid Incompatibility: Titanium Dioxide reacts violently with lithium.
Hazardous Decomposition Products: Oxides of Sulfur, Carbon, and Sodium
Hazardous Polymerization: Will Not Occur
Conditions To Avoid Hazardous Polymerization: None Known

SECTION 11 TOXICOLOGICAL INFORMATION

Carcinogenicity(NTP/IARC/OSHA): None. May contain <0.0015% Formaldehyde, <0.0006% Naphthalene, and <0.006% Quinoline, known to the State of California to cause cancer.

SECTION 12 ECOLOGICAL INFORMATION

Not determined

SECTION 13 DISPOSAL

Waste Disposal Method: Dispose per Local, State, and Federal Regulations

SECTION 14 TRANSPORT INFORMATION

DOT: Not a DOT controlled material(United States).

SECTION 15 REGULATORY INFORMATION

TSCA: All ingredients of this product appear on the TSCA Inventory

SARA Title III-Section 313: This product does not contain a toxic chemical in excess of 1% of the mixture(0.1% if a listed carcinogen).

SECTION 16 OTHER INFORMATION

Prepared By: D. Hunsicker

Date: January 7, 2010

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