



**AKRON DISPERSIONS**

3291 Sawmill Road  
P.O. Box 4195  
Akron, Ohio 44321  
Phone: (330)666-0045 Fax: (330)666-7842

## Product Data Sheet

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**Product:**

BOSTEX 422

**Description:**

A 60% active aqueous dispersion of French Process Zinc Oxide.

**Specifications:**

Appearance / Color :	White to Off-White
Active Solids :	60%
Total Solids :	61.0% - 63.0%
pH :	10.0 - 11.0
Viscosity :	500 - 3000 cps(RVF #3 @ 10 RPMs)
Mean Particle Size :	Less than 2.0 Microns
Odor :	Slightly Ammoniacal
Storage :	Protect from freezing. Stir before using.
Recommended Shelf Life :	6 Months
Specific Gravity(Approx.):	1.677



# AKRON DISPERSIONS, INC.

## MATERIAL SAFETY DATA SHEET

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### SECTION 1 PRODUCT IDENTIFICATION & EMERGENCY INFORMATION

PRODUCT NAME: **Bostex 422**

CHEMICAL NAME: Aqueous Mixture of Zinc Oxide(CAS# 1314-13-2), Sodium Salts of Polymerized Alkyl naphthalenesulfonic Acid(CAS# 9084-06-4/36290-04-7)

MANUFACTURER: Akron Dispersions, Inc.  
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EMERGENCY TELEPHONE NUMBER: (330)666-0045

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### SECTION 2 HAZARDOUS INGREDIENT INFORMATION

Zinc Oxide(CAS# 1314-13-2): 59.94%  
Lead(CAS# 7439-92-1): 0.0006%  
Cadmium(CAS# 7440-43-9): 0.003%  
Formaldehyde(CAS# 50-00-0): <0.0017%  
Naphthalene(CAS# 91-20-3): <0.00065%  
Quinoline(CAS# 91-22-5): <0.0065%

### SECTION 3 HAZARDS IDENTIFICATION

Health Hazards(Acute and Chronic): May cause irritation to eyes and skin of sensitive individuals. May contain <0.0017% Formaldehyde, <0.00065% Naphthalene, and <0.0065% 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: 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: CO<sub>2</sub>, Dry Chemical, Waterspray, Foam

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

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: 9.0-11.0	

**SECTION 10 STABILITY AND REACTIVITY DATA**

Stability: Stable  
Conditions To Avoid Instability: None Known  
Materials And Conditions To Avoid Incompatibility: Magnesium, Strong Acids, Strong Bases. Zinc Oxide has been reported to cause a violent explosion when mixed in a chlorinated rubber batch. Hazardous  
Decomposition Products: Oxides of Carbon, Sulfur, 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 <0.0017% Formaldehyde, <0.00065% Naphthalene, and <0.0065% 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 contains Zinc Compounds, Lead, and Cadmium, listed chemicals subject to the reporting requirements of Section 313 of the Emergency Planning and Community Right-to-Know Act of 1986 and of 40 CFR 372.

**SECTION 16 OTHER INFORMATION**

Prepared By: D. Hunsicker  
Date: January 7, 2010

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