



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 417

**Description:** A 40% active aqueous dispersion of Diphenylguanidine.

**Specifications:**

Appearance / Color :	Off-White to Gray
Active Solids :	40%
Total Solids :	40.0% - 42.5%
pH :	9.5 - 11.0
Viscosity :	200 - 800 cps(RVF #3 @ 10 RPMs)
Odor :	Slightly Ammoniacal
Specific Gravity(Approx.):	1.607

**Storage and Handling:** Store material in a cool, dry place. Protect from freezing. Contents should be adequately stirred before using to insure that the dispersion is thoroughly mixed and uniform. If a container is opened and only partially used, insure that the container lid is properly closed and secured to prevent contamination and minimize evaporation. Stock should be used on a first in-first out basis. Shelf life of the material is expected to be 1 year from date of manufacture.



# AKRON DISPERSIONS, INC.

## MATERIAL SAFETY DATA SHEET

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### SECTION 1 PRODUCT IDENTIFICATION & EMERGENCY INFORMATION

PRODUCT NAME: **Bostex 417**

CHEMICAL NAME: Aqueous Mixture of N,N'-Diphenylguanidine(CAS# 102-06-7), Sodium Salts of Polymerized Alkyl naphthalenesulfonic Acid(CAS# 9084-06-4/36290-04-7)

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

N,N'-Diphenylguanidine(CAS# 102-06-7)  
Paraffin Oil(CAS# 8012-95-1/72623-86-0): 0.4 - 1.2%  
Formaldehyde(CAS# 50-00-0): <0.00045%  
Naphthalene(CAS# 91-20-3): <0.00018%  
Quinoline(CAS# 91-22-5): <0.0018%

### SECTION 3 HAZARDS IDENTIFICATION

Health Hazards(Acute and Chronic): May cause irritation to eyes, skin, and mucous membranes. Cases of skin sensitization have been reported when incorporated in rubber articles. May contain <0.00045% Formaldehyde, <0.00018% Naphthalene, and <0.0018% Quinoline, known to the State of California to cause cancer.

HMIS: Health-2 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: Give 2-4 glasses water. Get immediate medical attention.

### 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, Nitrogen, 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

Vapor Pressure(@150°C): N/A

Vapor Density: N/A

Solubility in Water: Miscible

pH: 9.5-11.0

Freezing Point(°F): 32

Specific Gravity(Approx.): N/D

% Volatile by Volume: 60%

Evaporation Rate: N/A

**SECTION 10 STABILITY AND REACTIVITY DATA**

Stability: Stable

Conditions To Avoid Instability: None Known

Materials And Conditions To Avoid Incompatibility: Strong Oxidizers

Hazardous Decomposition Products: Oxides of Carbon, Nitrogen, 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 <0.00045% Formaldehyde, <0.00018% Naphthalene, and <0.0018% 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 8, 2010

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