



AKRON DISPERSIONS

3291 Sawmill Road
P.O. Box 4195
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Phone: 330-666-0045
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Product Data Sheet

Product:

BOSTEX 805

Description:

An aqueous dispersion of Zinc Oxide, Sulfur, N,N'-Diphenylthiourea, Hindered Phenol-Type Antioxidant, and N,N'-Diphenylguanidine.

Tentative Specifications:

Appearance / Color :	Tan to Off-White
Total Solids(Tentative) :	54.0% - 60.0%
pH(Tentative) :	9.5 – 11.5
Viscosity(Tentative) :	500 – 1500 cps(RVF #3 @ 10 RPMs)
Mean Particle Size :	<5 Microns
Odor :	Slightly Ammoniacal
Storage :	Protect from freezing. Stir before using.
Recommended Shelf Life :	6 Months



AKRON DISPERSIONS, INC.

MATERIAL SAFETY DATA SHEET

Page 1 of 3

SECTION 1 PRODUCT IDENTIFICATION & EMERGENCY INFORMATION

PRODUCT NAME: **Bostex 805**

CHEMICAL NAME: Aqueous Mixture of Zinc Oxide(CAS# 1314-13-2), Sulfur(CAS# 7704-34-9), N,N'-Diphenylthiourea(CAS# 102-08-09), Phenol, 4-Methyl-, Reaction Products with Dicyclopentadiene and Isobutylene(CAS# 68610-51-5), 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)

N,N'-Diphenylthiourea(CAS# 102-08-09)

Zinc Oxide(CAS# 1314-13-2)

Lead(CAS# 7439-92-1): 0.0003%

Cadmium(CAS# 7440-43-9): 0.0014%

Formaldehyde(CAS# 50-00-0): <0.001%

Naphthalene(CAS# 91-20-3): <0.0004%

Quinoline(CAS# 91-22-5): <0.004%

SECTION 3 HAZARDS IDENTIFICATION

Health Hazards(Acute and Chronic): May cause irritation to skin and eyes. Skin sensitization may occur. May contain <0.001% Formaldehyde, <0.0004% Naphthalene, and <0.004% Quinoline, known to the State of California to cause cancer.

HMIS: Health-2 Flammability-0 Reactivity-0 Personal Protection-E

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 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: CO₂, Dry Chemical, Waterspray, Foam
Decomposition Products Under Fire Conditions: Oxides of Carbon, Nitrogen, Sulfur, and Sodium, Hydrogen Sulfide, Amine, Aniline

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, Goggles, Respirator, and Apron 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: 43%
Solubility in Water: Miscible	Evaporation Rate: N/A
pH: 9-11	

SECTION 10 STABILITY AND REACTIVITY DATA

Stability: Stable
Conditions To Avoid Instability: None Known
Materials And Conditions To Avoid Incompatibility: Strong Acids, Strong Bases, Strong Oxidizers, Magnesium, Hydrocarbons, Steel, Copper, and Copper Alloys
Hazardous Decomposition Products: Oxides of Carbon, Nitrogen, Sulfur, and Sodium, Hydrogen Sulfide, Amine, Aniline
Hazardous Polymerization: Will Not Occur
Conditions To Avoid Hazardous Polymerization: None Known

SECTION 11 TOXICOLOGICAL INFORMATION

Carcinogenicity(NTP/IARC/OSHA): Long term exposure of test animals to DPG has produced adverse effects on reproductive parameters(abnormal sperm, low fertility, toxic to chick embryos). May contain <0.001% Formaldehyde, <0.0004% Naphthalene, and <0.004% 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 Oxide, 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: April 9, 2014

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