



AKRON DISPERSIONS

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

Phone: 330-666-0045
Fax: 330-666-7842

Product Data Sheet

Product:

BOSTEX 580A

Description:

A 60% active aqueous dispersion of Sodium Silicofluoride.

Specifications:

Appearance / Color :	Gray to Brown-Gray Liquid
Active Solids :	60%
Total Solids :	59.0% - 61.5%
pH :	4.5 – 6.5
Viscosity :	1000 – 8000 cps (RVF #3 @ 10 RPMs)
Mean Particle Size :	99.0% thru 325 Mesh
Storage :	Protect from freezing. Stir before using.
Recommended Shelf Life :	6 Months



AKRON DISPERSIONS, INC.

MATERIAL SAFETY DATA SHEET

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SECTION 1 PRODUCT IDENTIFICATION & EMERGENCY INFORMATION

PRODUCT NAME: **Bostex 580A**

CHEMICAL NAME: Aqueous Mixture of Sodium Silicofluoride(CAS# 16893-85-9)

MANUFACTURER: Akron Dispersions, Inc.

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Akron, Ohio 44321

TELEPHONE NUMBER: (330)666-0045

EMERGENCY TELEPHONE NUMBER: (330)666-0045

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SECTION 2 HAZARDOUS INGREDIENT INFORMATION

Sodium Silicofluoride and Fluoride

SECTION 3 HAZARDS IDENTIFICATION

Health Hazards(Acute and Chronic): May be irritating to skin and eyes. Repeated exposure to fluoride dust may cause excessive calcification of ligaments of the ribs, pelvis, and spinal column. Enzyme system effects and pulmonary fibrosis are reported. Skin rash may occur.

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: 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: Hydrogen Fluoride, Nitrogen Oxides, Hydrofluoric Acid, Fluorine

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: 2.5 mg/m³ (as F)
The ACGIH recommends the following Occupational Exposure Limit: 2.5 mg/m³ (as F)
Personal Protection: Gloves and Goggles recommended
Ventilation: Local Exhaust

SECTION 9 TYPICAL PHYSICAL & CHEMICAL PROPERTIES

Product Appearance: Gray-Tan 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: 4.5-6.5	

SECTION 10 STABILITY AND REACTIVITY DATA

Stability: Stable
Conditions To Avoid Instability: None Known
Materials And Conditions To Avoid Incompatibility: Strong Acids, Strong Bases
Hazardous Decomposition Products: Hydrogen Fluoride, Nitrogen Oxides, Hydrofluoric Acid, Fluorine
Hazardous Polymerization: Will Not Occur
Conditions To Avoid Hazardous Polymerization: None Known

SECTION 11 TOXICOLOGICAL INFORMATION

Carcinogenicity(NTP/IARC/OSHA): None.

SECTION 12 ECOLOGICAL INFORMATION

Not determined

SECTION 13 DISPOSAL

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

SECTION 14 TRANSPORT INFORMATION

DOT: Sodium Silicofluoride; Packing Group III; Hazard Class: 6.1 (POISON); UN 2674

PLACARDING: Keep away from Food, TOXIC

IMDG: Toxic

IMO and IATA: Class 6.1 TOXIC

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: February 8, 2011

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