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## Material Safety Data Sheet AB9500

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### Section 1 – Product & Company Identification

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Manufacturer: Cuyahoga Molded Plastics      Information Phone: (216) 261-2744  
1265 Babbitt Road      Emergency Phone: (216) 261-2744  
Cleveland, Ohio 44132  
USA

Product Class: Polyester Molding Compound, Vinyl      Product Code: N/A  
Toluene/Styrene based      C.A.S. Number: Mixture

Trade Name: AB9500

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### Section 2 – Composition and Information on Ingredients

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<i>CAS #</i>	<i>Ingredients</i>	<i>Weight %</i>	<i>ACGIH/TLV</i>	<i>OSHA PEL</i>
1332-58-7	Kaolin	0-30%	2 mg/m <sup>3</sup> respirable TWA	15 mg/m <sup>3</sup> total dust TWA 5 mg/m <sup>3</sup> respirable TWA
471-34-1	Calcium Carbonate	0-40%	10 mg/m <sup>3</sup> inhalable TWA	15 mg/m <sup>3</sup> total dust TWA 5 mg/m <sup>3</sup> respirable TWA
7778-18-9	Calcium Sulfate	0-30%	10 mg/m <sup>3</sup> inhalable TWA	15 mg/m <sup>3</sup> total dust TWA 5 mg/m <sup>3</sup> respirable TWA
1333-86-4	Carbon Black	<1%	3.5 mg/m <sup>3</sup> TWA 1,750 mg/m <sup>3</sup> IDLH	3.5 mg/m <sup>3</sup> total dust TWA
	Fibrous Glass	5-40%	1 fibers/cm <sup>3</sup> inhalable TWA 5 mg/m <sup>3</sup> TWA	NE
100-42-5	Styrene	1-10%	20 ppm or 85 mg/m <sup>3</sup> TWA 40 ppm or 170 mg/m <sup>3</sup> STEL 700 ppm IDLH	100 ppm or 420 mg/m <sup>3</sup> TWA 200 ppm ceiling 600 ppm/5 minutes in any 3 hrs
25013-15-4	Vinyl Toluene	1-10%	50 ppm or 242 mg/m <sup>3</sup> TWA 100 ppm or 483 mg/m <sup>3</sup> STEL 400 ppm IDLH	100 ppm or 480 mg/m <sup>3</sup> TWA
557-05-1	Zinc Stearate	1-10%	NE	15 mg/m <sup>3</sup> total dust TWA 5 mg/m <sup>3</sup> respirable TWA

NE: Not Established

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### Section 3 - Hazards Identification

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#### Health Hazards

<i>Ingredient</i>	<i>Primary Health Hazards</i>	<i>Carcinogen Status</i>
Calcium Carbonate	Physical Irritation	Not Classified
Calcium Sulfate	Physical Irritation	Not Classified
Carbon Black	Not Classified	A4 – Not Classifiable as Human Carcinogen
Fibrous Glass	Respiratory Effects	Not Classified
Kaolin	Physical Irritation from Dusts	A4 – Not Classifiable as Human Carcinogen
Styrene	Narcosis	A4 – Not Classifiable as Human Carcinogen
Vinyl Toluene	Irritation & Acute CNS Effects	A4 – Not Classifiable as Human Carcinogen
Zinc Stearate	Systemic Toxicity from Dusts	Not Classified

#### Fire and Explosion Hazards

Flammability Class:	1
Flash Point:	Not Determined
LEL:	Not Determined
UEL:	Not Determined

Slightly Combustible

When heated to decomposition, this product emits acrid smoke, hydrogen chloride, and metal oxides.

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### Section 4 – First Aid Measures

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#### First Aid - Inhalation

For overexposure to airborne vapors and fumes, move the exposed person to fresh air. If breathing is difficult or has stopped, administer oxygen or artificial respiration as appropriate. Seek medical attention immediately.

#### First Aid - Skin

If skin irritation occurs through contact with product, promptly flush the affected area with soap and water. If this chemical penetrates clothing, promptly remove the clothing and flush the skin with water. If irritation persists after washing, get medical attention.

#### First Aid - Eyes

If this product comes in contact with eyes, immediately wash the eyes with large amounts of water, occasionally lifting the lower and upper eye lids. Get medical attention immediately. Contact lenses should not be worn when working with this chemical. Wear protective eye wear.

#### First Aid - Ingestion

If this chemical is swallowed, get medical attention immediately. Do not induce vomiting.

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### **Section 5 - Firefighting Measures**

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#### Extinguishing Media

Use water fog or foam for large fires; carbon dioxide for small fires. Wear self-contained, positive pressure breathing apparatus. Cool tanks and drums with water.

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### **Section 6 - Accidental Release Measures**

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#### **Steps to be taken in case material is released or spilled:**

Remove all ignition sources and open flames. Contain spill immediately. Do not allow spill to enter open sewers or waterway. Mix with inert material such as vermiculite to facilitate clean up. Containerize waste.

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### **Section 7 - Handling and Storage**

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#### **Precautions to be taken in handling and storing:**

Do not transfer to unmarked containers.

Store in closed containers in well-protected area away from heat, sparks, flames or oxidizing materials.

Have properly maintained fire extinguishers readily available.

Avoid conditions that may produce organic vapors, fumes or airborne particulates.

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### **Section 8 - Exposure Controls and Personal Protection**

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#### Ventilation

Maintain local ventilation to contain organic vapors and dusts.

#### Eye Protection

Use protective eye wear.

#### Skin Protection

To prevent excessive skin contact, wear long pants, long sleeve shirt, and protective gloves.

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### **Section 8 - Exposure Controls and Personal Protection (Continued)**

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#### Respiratory Protection

Respiratory protection is not normally necessary when general ventilation is effective in dispersion of organic vapors and dusts. If certain operations or persons require respirator protection, utilize NIOSH-approved respirator fitted with organic vapor and particulate matter cartridges.

#### Work/Hygienic Practices

As with any product, proper hygiene practices during work hours is recommended when working with this product.

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### **Section 9 – Physical and Chemical Properties**

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Appearance:	Tacky fibrous dough or extruded logs. Color may vary.
Odor:	Vinyl Toluene (strong disagreeable odor) or Styrene (sweet floral odor)
pH:	Not Determined
Boiling Point:	Not Determined
Solubility:	Not Determined
Volatiles (by volume):	Not Determined
Volatiles (by weight):	Not Determined
V.O.C. Content:	Not Determined
Evaporation Rate:	Not Determined
Specific Gravity:	1.85-1.90

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### **Section 10 – Stability and Reactivity**

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#### Normal Conditions

Stable

#### Conditions to Avoid (Stability & Polymerization)

High Temperatures

#### Incompatible Materials

Strong acids, peroxides, and other strong oxidizing agents.

#### Hazardous Decomposition Products

Carbon, carbon monoxide, carbon dioxide, low molecular weight hydrocarbons, organic acids, sulfur oxides, inorganic acids, and metal oxides, including calcium, iron and zinc.

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## **Section 11 – Toxicological Information**

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### Inhalation Hazard

Excessive exposure to VINYL TOLUENE may cause central nervous system and narcotic effects. Chronic exposure may cause damage to kidneys and liver.

Excessive exposure to STYRENE may cause anesthetic or narcotic effects and irritation to upper respiratory tract.

Exposure to FIBROUS GLASS can cause mechanical irritation of the mouth, nose and throat. In June, 1987, the International Agency for Research on Cancer (IARC) characterized fiberglass continuous filament as not classifiable with respect to human carcinogenicity. The evidence from human and animal studies did not present fiberglass continuous filament as a possible, probable, or confirmed cancer-causing material.

Operations including burning, heating or any activities which generate airborne particles may present health hazard due to the presence of CALCIUM CARBONATE, CALCIUM SULFATE, FIBROUS GLASS, and ZINC STEARATE. Zinc Stearate is also known to cause pulmonary fibrosis. Zinc Oxide fumes may cause metal fume fever with chills, fever, tightness in chest, cough and leukocytes. Burning calcium in air forms calcium oxide (quick lime) and burning calcium sulfate also forms sulfur dioxide which is irritating to mucous membrane. Severe exposure to sulfur dioxide can cause irritation to the nose or throat.

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## **Section 12 - Ecological Information**

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### Environmental Releases

Do not allow spills to enter sewers or waterways. Comply with all local, state, and federal regulations.

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## **Section 13 - Disposal Considerations**

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### Waste Disposal Methods

Comply with all applicable local, state, and federal disposal methods.

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### Section 14 - Transport Information

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Proper Shipping Name

Plastic Molding Compound, 9, UN3314, III

Comply with all applicable local, state, and federal transportation regulations.

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### Section 15 – Regulatory Information

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SARA Title III - Hazard Classes

Acute Health Hazard  
Chronic Health Hazard

SARA Title III – Section 313 Supplier Notification

This product contains the following toxic chemicals at levels subject to the reporting requirements of section 313 of the Emergency Planning and Community Right-to-Know Act (EPCRA) of 1986 and 40 CFR 372:

<u>CAS #</u>	<u>Chemical Name</u>	<u>Percent of Mixture</u>
N982	Zinc Compounds	1.0 – 10.0
100-42-5	Styrene	1.0 – 10.0

This information must be included on all MSDS that are copied and distributed for this material.

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### Section 16 - Other Information

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Exposure data, chemical properties, first aid and protective measures information was obtained from the “NIOSH Pocket Guide to Chemical Hazards” published by the US Department of Health and Human Services, 1997.

Permissible exposure limits (PELs), primary health hazards and carcinogen status cited in this document were published by the American Conference of Governmental Industrial Hygienists (ACGIH).

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