

# MATERIAL SAFETY DATA SHEET

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### I. Product Identification

Product Name.....AHI Color Enhancer (22%)  
Product description.....Solution of polymethyl methacrylate polymers in xylene  
DOT Class.....Petroleum distillate, N.O.S., Flammable Liquid  
HMIS Rating.....Health 1, Flammability 3, Reactivity 0

### II. Hazardous Ingredients

<u>Ingredient</u>	<u>Typical Amount</u>	<u>ACGIH TLV</u>	<u>LEL</u>	<u>CAS Number</u>
Xylene*	<80%	100 ppm	1.9	1330-20-7
Trimethylbenzene	<3%	25 ppm		95-63-6
Cumene	<2%	50 ppm		98-82-8

\*Xylene is classed as flammable by OSHA

Unlisted ingredients are not "hazardous" per the OSHA standard and / or are present at less than allowable levels.

### III. Physical Properties

Apperance.....Liquid  
Color.....Colorless  
Odor.....Sour, burnt odor  
Boiling Point.....318-388' F  
Density.....Approximately 88 gm / cc  
Solubility in water.....Less than 0.02% @ 77° F  
% Volatile (by weight).....Approximately 80%

### IV. Fire and Explosion Data

Flash point (TCC).....85° F  
Extinguishing media.....Use NFPA Class 8 fire extinguisher, water fog, foam, dry chemical or carbon dioxide.  
Special fire fighting procedures.....Fight as volatile liquid fire. Use water spray to keep nearby containers cool to reduce pressure build up. Wear self contained breathing apparatus and full protective gear.  
Conditions to avoid.....Keep containers tightly closed and away from heat, sparks, electrical equipment & open flames. Closed containers may explode if exposed to heat.

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Unusual hazards.....Vapors may travel to as source of ignition and flash back.  
Heated material may form flammable or explosive mixtures with air.

### **V. Reactivity Data**

Stability.....This material is considered stable but avoid ignition sources like sparks, open flames, and heated surfaces.  
Hazardous decomposition.....Thermal decomposition may yield acrylic monomers in addition to carbon monoxide and carbon dioxide.  
Incomparability.....Avoid contact with strong oxidizing agents.  
Hazardous Polymerization.....Product will not polymerize.

### **VI. Human Health Data**

Primary Routes of Entry.....Eye and skin contact & inhalation  
Effects of overexposure  
Acute – Irritation to eyes, nose, throat, and lungs dizziness headache nausea and vomiting.  
Chronic – Repeated contact may cause dermatitis.  
Medical Conditions Aggravated by exposure – May irritate existing dermatitis conditions.

### **VII. Emergency and First Aid Procedures**

Eye contact – Flush with large amounts of water for at least 15 minutes. If irritation persists consult a physician.  
Skin Contact – Wash with soap and water. Consult a physician if irritation persists. Launder contaminated clothing before use.  
Inhalation – Move subject to fresh air. If not breathing, give artificial respiration. If breathing is difficult call a physician.

### **VIII. Spill Procedures**

Spills – Evacuate the spill area. Eliminate all potential sources of ignition. Ventilate the area and do not breathe the vapors. Use caution, floor may be slippery. Contain spills immediately with inert materials. Transfer liquid and diking material to a separate container for recovery or disposal.  
CAUTION: Keep spills and cleaning runoff out of municipal sewers and open bodies of water.  
Waste disposal – Incinerate in accordance with federal, state, and local regulations.

### **IX. Safe Handling Data**

Electrostatic accumulation.....material will accumulate a static charge which, if discharged could cause a fire and or explosion. All containers must be properly grounded in accordance with API recommended practice 2003.

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Respiratory protection.....Where concentrations in air may exceed allowable limits, NIOSH approved respirator should be worn.

Eye protection.....Use chemical, splash goggles, and face shield.

Skin protection.....Wear neoprene gloves and long sleeves and chemically resistant clothing to protect prolonged or repeated skin contact.

Ventilation.....Use explosion proof exhaust system designed and maintained to keep vapor level below the TLV and LEV.

Other.....Have eye washes available where eye contact may occur. Wash thoroughly after handling and keep away from food and beverages.

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