

# Alliance Specialty Products

High Performance Polymers

## Material Safety Data Sheet

**Product Name:** ASP 421FC EPOXY HARDENER

HMIS CODES: H F R P

**Product Code:** 421FC Hardener Part B

3 1 0 C

### Section 1: Manufacturer Identification

---

Manufacturer's Name: Alliance Specialty Products

Address: 2500 Sherwood Avenue  
Charlotte, NC 28207

Phone: (704) 342-1977

Date Last Reviewed: 06/19/08

Fax (704) 342-1978

Prepared By: M. Swofford

**CHEMICAL EMERGENCY CALL: 1-800-535-5053**

### Section 2: Composition

---

Ingredient	CAS NO.	OSHA PEL	ACGIH TLV	OSHA STEL	WEIGHT %
Polyetheramine	2579-20-6	N/E	N/E	N/E	>50%
Triethylene Glycol Diamine	84852-15-3	N/E	N/E	N/E	<30%
2,4,6 Tridimethylamindmethyl Phenol	90-72-2	N/E	N/E	N/E	<5%
Benzyl Alcohol	100-51-6	N/E	N/E	N/E	<10%
Epoxy Resin	25068-38-6	N/E	N/E	N/E	<5%

### Section 3: Physical and Chemical Properties

Boiling Point: Above 392°F  
Vapor Pressure: Less than 1 mm Hg at 100°F  
Vapor Density: Not available  
Solubility in Water: Very slight  
Specific Gravity: ~0.96  
Appearance: Amber liquid  
Odor: Ammoniacal odor

### Section 4: Fire-Fighting Measures

Combustible liquid OSHA Class III A  
Explosive limits not determined  
Flash Point: 203°F  
Extinguishing Foam, dry chemical CO2  
Media:  
Special Procedures: Decomposition or products of combustion may be toxic. Use self contained breathing equipment and face shield.  
Unusual Downwind Personnel must be

# Alliance Specialty Products

High Performance Polymers

## **Material Safety Data Sheet**

Hazards: evacuated. Burning produces toxic fumes.

### **Section 5: Stability and Reactivity**

---

Stability: Stable

Conditions to Avoid: Excessive heat or open flame

Material to Avoid: Organic acids, mineral acids, oxidizing agents, hydroxyl compounds.

Hazardous Decomposition or Byproducts: CO, CO<sub>2</sub>, oxides of nitrogen, aldehydes; nitrogen oxides may react with water vapor to form corrosive nitric acid.

Hazardous Polymerization: Will not occur

### **Section 6: Hazards Identification**

---

Eyes: Causes eye burns. May cause blindness.

Skin: Harmful in contact with skin. May cause skin burns. Symptoms of overexposure may be headache, dizziness, tiredness, nausea and vomiting.

Inhalation: Inhalation of aerosol may cause irritation to the upper respiratory tract. Can cause sever respiratory tract burns.

Ingestion: Harmful if swallowed. If ingested, may cause sever burns to the mouth and throat, as well as danger of perforation of the esophagus and the stomach.

### **Section 7: First Aid Measures**

---

Eyes: Flush at once with potable water for at least 15 minutes and consult a physician.

Skin: Remove contaminated clothes immediately. Wash with soap and warm water for at least 15 minutes. Cover wound with sterile dressing.

Inhalation: Remove to fresh air. Administer oxygen if breathing is difficult.

Ingestion: Prevent aspiration of vomit. Turn victims head to the side. Seek immediate medical assistance.

### **Section 8: Release Measures**

---

# Alliance Specialty Products

High Performance Polymers

## **Material Safety Data Sheet**

Steps to be Taken in Event Material is Released or Spilled: Wear respirator and protective clothing. Shut off the leak at the source. Remove excess with vacuum truck, take up the remainder with an absorbent material such as clay, and place in disposal containers. Flush area with water to remove residue.

### **Section 9: Waste Disposal**

---

Dispose of material in a waste disposal site in accordance with local, state, and federal law.

### **Section 10: Handling and Storage**

---

Precautions to be Taken in Handling and Storage: Store in a cool, dry place. Seal all partially used containers. Wash with soap and water before eating, drinking, smoking, or using toilet facilities. Mixed materials contain the aggregate hazards of all the components, therefore, read the MSDS of all the components prior to using the material. Properly label all containers.

Other Precautions: Avoid skin contact. Avoid breathing vapors generated from the material. Observe conditions of good general hygiene and safe working practices. Contaminated leather articles can not be cleaned and must be discarded if contaminated with this product. Wash all contaminated clothing prior to reuse.

### **Section 11: Exposure Controls**

---

Respiratory Protection: Not required for properly ventilated areas.

Ventilation: Exhaust ventilation sufficient to keep airborne concentrations of HDI below their TLV and MGL maximum. Refer to Patty's Industrial Hygiene and Toxicology-Volume 1 Chapter 17 and Volume 3 Chapter 3 for details

Protective Gloves: Impervious gloves- neoprene or rubber.

Eye Protection: Splash goggles or glasses with side shields. Do not wear contact lenses when using this product.

Other Protective Clothing or Equipment: Wear body covering clothing and other coverings as necessary such as an apron and appropriate footwear to avoid contact with the material.

Work Hygienic Practices: Observe good general hygienic practices.

### **Section 12: Disclaimer**

---

The information contained herein is based on the data available and is believed to be accurate, however, the manufacturer makes no warranty expressed or implied regarding the accuracy of this data or the results obtained from the use thereof. Accordingly, we assume no responsibility for injury from

# Alliance Specialty Products

High Performance Polymers

## **Material Safety Data Sheet**

the use of this product.