

Alliance Specialty Products

High Performance Polymers

Material Safety Data Sheet

Product Name: ASP 421 LOW TEMPERATURE EPOXY RESIN

HMIS CODES: H F R P

Product Code: 421LT Part A

2 1 0 B

Section 1: Manufacturer Identification

Manufacturer's Name: Alliance Specialty Products

Address: 2500 Sherwood Avenue
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Section 2: Composition

Ingredient	CAS NO.	OSHA PEL	ACGIH TLV	OSHA STEL	WEIGHT %
Epoxy Resin	25068-38-6	N/E	N/E	N/E	65-75
Benzyl Alcohol	100-51-6	N/E	N/E	N/E	2-5
Hexylene Glycol	107041-5	N/E	N/E	N/E	10-15
Para-Nonyl-Phenol	84852-15-3	N/E	N/E	N/E	10-15

Section 3: Physical and Chemical Properties

Boiling Point: Above 400°F
Vapor Pressure: Less than 1 mm Hg at 100°F
Vapor Density: Approximately 3.5
Solubility in Water: Very Slight
Specific Gravity: 1.11
Appearance: Low viscosity, clear liquid
Odor: Mild, pleasant Aromatic

Section 4: Fire-Fighting Measures

Combustible liquid OSHA Class III A
Explosive limits not determined
Flash Point: 190°F
Extinguishing Media: Foam, dry chemical CO2
Special Procedures: Decomposition or products of combustion may be toxic. Use self contained breathing equipment.
Unusual Hazards: N/A

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Section 5: Stability and Reactivity

Stability: Stable

Conditions to Avoid: Excessive heat or open flame

Material to Avoid: Potential vigorous reaction with strong oxidizing agents and acids

Hazardous Decomposition or Byproducts: CO, CO₂, Phenolic derivatives

Hazardous Polymerization: Will not occur

Section 6: Hazards Identification

Eyes: May cause irritation.

Skin: A single exposure is unlikely to result in harm. Repeated exposure can cause sensitization.

Inhalation: Exposure to vapors at elevated temperatures may cause irritation to the respiratory tract and difficulty breathing.

Ingestion: Oral toxicity is low. No hazards expected from normal industrial exposure.

Section 7: First Aid Measures

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

Skin: Wash with soap and warm water. Remove contaminated clothes. Wash before reuse. Destroy contaminated shoes.

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

Ingestion: Not likely to occur in normal handling. Give large quantities of water and get medical attention.

Section 8: Release Measures

Steps to be Taken in Event Material is Released: Wear respirator and protective clothing. Shut off the leak at the source. Remove excess with vacuum truck, take up the remainder with an

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Released or Spilled: 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 the use of this product.