



# SDS

## SAFETY DATA SHEET

**Product Name:** MLP-300-AZ  
(as shown on label)

May be used to comply with OSHA's Hazard Communication Standard, 29 CFR 1910200(g). Standards must be consulted for specific requirements.

### Section I - Identification

<b>Part #:</b>	MLP-300-AZ	<b>Manufacturer:</b>	AZ Technology Inc.
<b>Spec/Rev #:</b>	CPS-P-019 Rev. D	<b>Address:</b>	180 West Park Loop NW Huntsville AL, 35806
<b>Usage:</b>	Epoxy Primer Coating	<b>Company Ph.# :</b>	(256) 837-9877
		<b>Emergency #:</b>	(256) 837-9877

### Section II - Hazard Identification

<b>Classification of the substance or mixture:</b>	<b>Notice:</b> All following Hazard Statements refer to a nearly negligible percentage of the total coating				
	H302	Acute toxicity, Oral (category 4).			
	H332	Acute toxicity, Inhalation (category 4).			
	H315	Skin irritation (category 2).			
	H319	Eye irritation (category 2A).			
	H401	Acute aquatic toxicity (category 2).			
	H411	Chronic aquatic toxicity (category 2).			
<b>Hazard statements:</b>	Flammable liquid and vapor	May cause respiratory irritation	Causes skin irritation	Causes serious eye irritation	Toxic to aquatic life with long lasting effects
<b>Signal Word:</b>	<b>Danger</b>				
<b>Pictograms:</b>					
<b>Precautionary Statements:</b>	P261	Avoid breathing dust/ fume/ gas/ mist/ vapors/ spray.			
	P264	Wash skin thoroughly after handling.			
	P270	Do not eat, drink, or smoke when using this product.			
	P271	Use only outdoors or in a well-ventilated area.			
	P273	Avoid release to the environment.			

P280	Wear protective gloves/ eye protection/ face protection.
P332+P313	If skin irritation occurs get medical advice/ attention.
P337+P313	If eye irritation persists get medical advice/ attention.
P362	Take off contaminated clothing and wash before reuse.
P391	Collect spillage.
P501	Dispose of contents/ container to an approved waste disposal plant.
<b>Notice:</b>	
<b>All following Precautionary Statements refer to a nearly negligible percentage of the total coating</b>	
P301+P312+P330	If <b>SWALLOWED</b> call poison center/ doctor/ physician if you feel unwell.
P302+P352	If <b>ON SKIN</b> wash with plenty of soap and water.
P304+P340+P312	If <b>INHALED</b> remove person to fresh air and keep at rest in a position comfortable for breathing. Call a poison center/ doctor/ physician if you feel unwell.
P305+P351+P338	If <b>IN EYES</b> rinse cautiously with water for several minutes. Remove contact lenses if present and easy to do. Continue rinsing.

### Section III - Composition/Information on Ingredients

Common Name	CAS#	OSHA PEL	ACGIH TLV	Other Limits Recommended
Silica	14808-60-7	0.1mg/m <sup>3</sup>	0.1mg/m <sup>3</sup>	0.05 mg/m <sup>3</sup> (NIOSH)
Tin Oxide	18282-10-5	2 mg/m <sup>3</sup>	2 mg/m <sup>3</sup>	same
Antimony (III) Acetate	6920-52-0	0.5 mg/m <sup>3</sup>	0.5 mg/m <sup>3</sup>	same
Epoxy Resin	25068-38-6	None establ.	None establ.	n/a
Epoxy Catalyst	Trade Secret	None establ.	None establ.	n/a
Xylene	1330-20-7	651 mg/m <sup>3</sup>	651 mg/m <sup>3</sup>	same
Butyl Alcohol	71-36-3	300 mg/m <sup>3</sup>	300 mg/m <sup>3</sup>	same
Ethanol	64-17-5	2460 mg/m <sup>3</sup>	2460 mg/m <sup>3</sup>	same

AZ Technology reserves all rights to mix percentages and methods, withheld as a trade secret.

### Section IV - First-Aid Measures

<b>Inhalation:</b>	Remove to fresh air. Obtain medical attention.
<b>Skin Irritation:</b>	Wash skin with soap and water. Obtain medical attention if irritation persists.
<b>Eye Contact:</b>	Immediately flush eyes for at least 15 minutes with copious amounts of water, occasionally lifting upper and lower lids. Obtain medical attention.

<b>Ingestion:</b>	Wash conscious victims mouth out with water. Gastric lavage may be necessary.
<b>Important symptoms or effects including acute or delayed :</b>	Prolonged or repeated exposure may aggravate pre-existing skin, central nervous system, liver, kidney, and/or intestinal tract conditions. Symptoms include: headache, dizziness, tiredness, nausea/vomiting, impaired vision, drowsiness, ataxia, and stupor.
<b>Treatment Recommendations (if applicable):</b>	Consult a physician in all cases.

### Section V - Fire-Fighting Measures

<b>Suitable Extinguishing Media</b>	Foam, dry chemical, CO <sub>2</sub>
<b>Unsuitable Extinguishing Media</b>	Water may be ineffective, Do not use water jet.
<b>Flash Point Method</b>	24°C
<b>Specific Hazards Arising from the Chemical</b>	This material is a flammable liquid and a dangerous fire hazard when exposed to heat, flame, and oxidizers.
<b>Hazardous Decomposition or Byproducts</b>	Oxides of carbon and nitrogen, methyl alcohol.
<b>Protective Equipment and Precautions for Firefighters</b>	Wear positive self-contained breathing apparatus in conjunction with appropriate personal protective equipment.

### Section VI - Accidental Release Measures

<b>Preventive precautionary measures</b>	Use personal protective equipment. Ensure adequate ventilation. Remove all sources of ignition. Take precautionary measures against static discharges.
<b>Emergency procedures (i.e. evac, consulting experts)</b>	Wear self-contained breathing apparatus pressure-demand NIOSH/MSHA (approved or equivalent) and full protective gear.
<b>Environmental Precautions</b>	Should not be released into environment. Do not flush into surface water or sanitary sewer system
<b>Containment and Cleanup procedures</b>	Clean up spilled material into a closed container, following all OSHA, EPA, and Federal rules, regulations, and laws. Remove all sources of ignition. Use spark-proof tools and explosion-proof equipment.

### Section VII - Handling and Storage

<b>Safe handling precautions</b>	Prevent inhalation of vapors. Wear NIOSH/MSHA approved respiratory protection equipment for organic vapors.
<b>Safe storage recommendations (including incompatibilities)</b>	Store below 80°F in dry location away from oxidizing agents and combustible materials. Eliminate ignition sources. Incompatibilities: oxidizing agents, nitric and sulfuric acids (can be explosive).

## Section VIII - Exposure Controls/Personal Protection

See Section III chart for: OSHA Permissible Exposure Limits (PELs), American Conference of Governmental Industrial Hygienists (ACGIH), Threshold Limit Values (TLVs), other limits and/or recommendations

<b>Ventilation and/or enclosure recommendations</b>	Use with adequate ventilation. Local exhaust recommended. Safety shower and eye bath should be within direct access.
<b>PPE recommended</b>	Protective gloves, long sleeved clothing, rubber boots, Handle in accordance with good personal hygiene and safety practice.
<b>PPE requirement</b>	Use NIOSH/MSHA approved cartridge (organic vapor) HEPA type respirator, splash proof goggles.

## Section IX - Physical and Chemical Properties

<b>Appearance</b>	Straw colored liquid	<b>Flammability/Explosive Limits</b>	LEL 1.4% UEL 19%
<b>Odor</b>	Strong organic solvent odor	<b>Odor Threshold</b>	None given
<b>PH</b>	None given	<b>Vapor Pressure</b>	44
<b>Melting Point</b>	None given	<b>Vapor Density</b>	2.6
<b>Freezing Point</b>	None given	<b>Relative Density</b>	None given
<b>Flash Point</b>	24°C	<b>Solubility</b>	Trace in water
<b>Boiling Point</b>	78.3°C	<b>Evaporation rate</b>	None given
<b>Viscosity</b>	None given	<b>Flammability (solid, gas)</b>	Gas
<b>Decomposition temp</b>	None given	<b>Partition Coefficient: n-octanol/water</b>	None given

## Section X - Stability and Reactivity

<b>Reactivity (suggested by test data)</b>	No data available
<b>Conditions that should be avoided (Incompatible)</b>	Oxidizing agents, nitric and sulfuric acids (can be explosive). Sources of ignition
<b>Stability</b>	Stable under normal conditions.
<b>Polymerize thresholds</b>	Will not Occur.

## Section XI - Toxicological Information

	Product/ingredient name				
	Silica	Tin Oxide	Antimony (III) Acetate	Epoxy Resin	Xylene
<b>Acute Toxicity</b>					
<b>Oral LD50: Rat</b>	>5,000 mg/kg	n/a	4,480 mg/kg	3,160 mg/kg	4,300 mg/kg
<b>Inhalation LC50: Rat</b>	n/a	n/a	n/a	Not Available	5,000 ppm
<b>Dermal LD50: Rabbit</b>	>2,000 mg/kg	Not Available	>12,800 mg/kg	2,500 mg/kg	Not Available
<b>Chronic Toxicity:</b>	Not Available	Not Available	Prolonged skin contact may cause skin irritation and/or dermatitis.	Not Available	Not Available

<b>Corrosion Irritation:</b>	Skin 0/8@24hr-Non irritant Eye 1.0/110 @24hr-Non irritant	Not Available	Skin/24hr- Severe irritation Eye/24hr- Moderate irritation	Skin- Irritant Eye-Irritant	Skin- Mild Irritant Eye- Severe Irritant
<b>Sensitization:</b>	Not Available	Not Available	Not Available	Sensitizing	Not Available
<b>Single Target Organ (STOT):</b>	Not Available	Not Available	Not Available	NOAEL 0.004 mg/l	Not Available
<b>Numerical Measures:</b>	Not Available	Not Available	Not Available	Not Available	Not Available
<b>Carcinogenicity:</b>	None	None	None	Not Available	Not Available
<b>Mutagenicity:</b>	Not Mutagenic	Not Available	Germ cell-Hamster Embryo Morphological transformation	Not Mutagenic	Not Available
<b>Reproductive Toxicity:</b>	None	Not Available	Not Available	Toxic	Not Available
<b>Aspiration Hazard:</b>	None	Not Available	Not Available	Not Available	Not Available

	Product/ingredient name	
	Butyl Alcohol	Ethanol
<b>Acute Toxicity</b>		
<b>Oral LD50: Rat</b>	2,460 mg/kg	7,060 mg/kg
<b>Inhalation LC50: Rat</b>	4 hr- 8,000 ppm	20,000 ppm/10hr
<b>Dermal LD50: Rabbit</b>	3,400 mg/kg	Not Available
<b>Chronic Toxicity:</b>	Not Available	Inhalation of high vapor concentrations may cause symptoms like headache, dizziness, tiredness, nausea, and vomiting.
<b>Corrosion Irritation:</b>	Not Available	Severe eye irritant
<b>Sensitization:</b>	Not Available	Not Available
<b>Single Target Organ (STOT):</b>	Not Available	Central nervous system, Optic nerve, Respiratory system
<b>Numerical Measures:</b>	Not Available	Not Available
<b>Carcinogenicity:</b>	Not Available	IARC- Carcinogenic to Humans ACGIH--Carcinogenic to Animals
<b>Mutagenicity:</b>	Not Available	Mutagenic effects occurred in Animals
<b>Reproductive Toxicity:</b>	Not Available	Toxic
<b>Aspiration Hazard:</b>	Not Available	Not Available

## Section XII - Ecological Information (non-mandatory)

Product/ Ingredient name	12.1 Toxicity	12.2 Persistence and degradability	12.3 Bio accumulativ e potential	12.4 Mobility in soil	12.5 Results of PBT and vPvB assessment	12.6 Other adverse effects
<b>Silica</b>	Fish (brachydanio rerio) LC50 (96 h):> 10,000 mg/l; (Method: OECD 203). No acute toxicity to Daphnia with EL and EL50 ranging from >1,000 to 10,000 mg/l (OECD 202)	The methods for determining biodegradability are not applicable to inorganic substances	Not expected due to physiochemical properties of the substance.	Not expected to migrate	This substance is not persistent, bio-accumulating, nor toxic (PBT). Not very persistent nor bio accumulating (vPvB).	Not Available
<b>Tin Oxide</b>	Not Available	Not Available	Not Available	Not Available	Not Available	Not Available
<b>Antimony Chloride</b>	Not Available	Not Available	Not Available	Not Available	Not Available	Toxic to aquatic life with long lasting effects.
<b>Epoxy Resin</b>	Not Available	Not Available	Not Available	Not Available	Not Available	Not Available
<b>Xylene</b>	Not Available	Not Available	LogPow-3.12 BCF-8.1 to 25.9 Potential low	Not Available	Not Available	None
<b>Butyl Alcohol</b>	LC50- Pimephales promelas 1.220 mg/l/96h	Not Available	Not Available	Not Available	Not Available	Not Available
<b>Ethanol</b>	LcC50 = 14200mg/l/96h	Unlikely	Not Available	log Pow -0.32	Not Available	Not Available

## Section XIII - Disposal Considerations (non-mandatory)

### Recommendations for:

<b>Disposal Container(s)</b>	None
<b>Disposal Method</b>	Dispose of in accordance to local, state, and federal regulations
<b>Sewage Disposal</b>	Avoid dispersal of spilled materials and runoff and contact with soil, waterways, drains and sewers.

## Section XIV - Transport Information (non-mandatory)

<b>UN#</b>	UN 1263
<b>UN Proper Shipping Name</b>	Paint Related Material
<b>Transport Hazard Class</b>	3
<b>Packing Group Number (if applicable, based on Environmental hazards (marine pollutant?)</b>	Y344
<b>International Maritime Dangerous Goods Code (IMDG)</b>	Yes
<b>Guidance on Bulk Transport</b>	Passenger and Cargo Aircraft

**Section XV - Regulatory Information (non-mandatory)**

It is the responsibility of each company to comply to proper regional regulations.

**Section XVI - SDS History**

<u>Line #</u>	<u>Date</u>	<u>Revision</u>	<u>Comments</u>
1	12/31/2015	C	MSDS to SDS
2	6/1/2016	D	Address change