



SL-50 Epoxy Primer/Sealer

SL-50 Epoxy Primer/Sealer is a high quality, two component isocyanate free primer with excellent adhesion to properly prepared bare metal, fiberglass, and aluminum surfaces. SL-50 Epoxy Primer/Sealer is lead and chromate free and exhibits excellent drying and color holdout characteristics with no shrinkage. SL-50 Epoxy Primer/Sealer offers good flexibility, and the versatility for use as a non-sanding, two-component sealer.

- Fast Dry, Improves Shop Productivity
- Corrosion Resistant
- Excellent Adhesion

FEATURES:

- Fast dry, improves shop productivity
- Excellent color holdout
- Corrosion resistant
- Lead and chromate free
- No shrinkage
- Excellent adhesion

RECOMMENDED SUBSTRATES:

- Properly prepared bare metal
- Properly prepared galvanized metal
- Properly prepared stainless steel
- Properly prepared aluminum
- Most properly prepared automotive plastics

MIXING INSTRUCTIONS:

1 part SL-50 Primer/Sealer to 1 part SL-024 Fast Epoxy Activator, or SL-014 Slow Epoxy Activator, or SL-021 2.1VOC Epoxy Activator

No induction time is required. Reduction: Once catalyzed, SL-50 Epoxy Primer can be made into an excellent sealer by reducing 10% to 20% with the appropriate temperature urethane reducer. Reducing will increase VOC.

APPLICATION INSTRUCTIONS:

1. Surface Prep: Wash area to be primed with soap and water to remove contaminants that solvent based cleaners cannot remove effectively.
2. Wipe surface with a quality wax and grease remover such as SL-9000 Wax & Grease Remover working no more than 2 sq. ft. area.
3. Sand the surface with 180-220 grit sand paper to remove any corrosion. Note: Aluminum and stainless steel MUST be sanded with 180-220 grit sand paper. Re-clean the area with SL-8000 Pre-Paint Cleaner.

4. Adjust air pressure to 45-50 psi at the gun or 6-10 psi when using HVLP and apply 1-2 wet coats to desired film build allowing 15 minutes flash time between coats. Note: Do not put SL-50 over Self-Etch Primers.
5. Allow 30-60 minutes dry time @ 77°F before applying additional primers or topcoat. Allow to dry overnight before applying body filler.

SL-50 may be used to prime most properly prepared automotive plastics. SL-50 should not be used on polyethylene or polypropylene plastics. Note: When refinishing automotive plastic parts off the vehicle, use of flex additive is recommended, and parts should be installed within 48 hours. If plastic parts are on vehicle *no* flex additive is required.

CLEANING:

Use good quality lacquer thinner to thoroughly clean all equipment. Do not leave catalyzed in gun longer than 24 hours.

TECHNICAL DATA:

Color:	Gray, Black and White
Flash Point :	20° F TCC
Pot Life:	24 hours
Recommended Film Build:	1 mil full wet
Coverage 1 mil.:	365 sq. ft./gal
Mix Ratio:	1:1
Weight Solids:	46.6%
Sprayable Viscosity:	18-20 sec. #2 Zahn
V.O.C.:	RTS 4.9 lbs./gal. or mixed 1:1 w/ SL-021 = 2.1 lbs./gal.

Material Safety Data Sheet

PRODUCT IDENTITY: SL-50 Epoxy Primer/Sealer

Section I – Manufacturer Information

Manufacturer Name: Innovative Solutions Technologies, Inc.
Address: 41158 Koppernick Rd.
Canton, MI 48187
Emergency Telephone: 800 255-3924
Information Telephone: 734 335-6665

NFPA RATINGS	
HEALTH	2
FLAMMABILITY	3
REACTIVITY	0
PERSONAL PROTECTION	G

Section II-Hazardous Ingredients/Identity Information

Hazardous Components (Specific Chemical Identity, Common Name)	CAS#	OSHA PEL	ACGIH TLV	WT %
*TOLUENE	108-88-3	100 ppm	100 ppm	5/10
METHYL ETHYL KETONE	78-93-3	200 ppm	200 ppm	20/25

* SARA 313 listed chemical

DOT SHIPPING: FLAMMABLE LIQUID; PAINT RELATED MATERIAL UN 1263

Section III-Physical/Chemical Characteristics

Boiling Point: 174°F
Specific Gravity (H₂O = 1): 1.43
Vapor Pressure (mmHg @ 70°F): 85 mmHg
Vapor Density (Air = 1): Heavier than Air
Evaporation Rate:(butyl acetate = 1) >1
Appearance and Odor: Water white liquid, solvent odor
V.O.C.: 3.57 #/gal.
V.O.C.: less exempt solvents: RTS 3.5 #/gal.

Section IV-Fire and Explosion Hazard Data

Flash Point (Method Used): <24°F (TCC) Flammable Limits: LEL 1.0 UEL 10.0
Extinguishing Media
Class B extinguisher, Carbon Dioxide, Dry Chemical, Foam Special Fire Fighting Procedures:
Water spray can be used to cool containers exposed to fire. Clear area of unprotected personnel. Fire fighters are to wear self-contained breathing apparatus and proper protection gear. Keep containers closed tightly. Isolate from heat, sparks, and open flames.
Unusual Fire and Explosion Hazards:
Closed containers may explode when exposed to extreme heat.

Section V- Reactivity Data

Stability – Unstable; Conditions to Avoid: Sources of ignition
Stable: Yes
Incompatibility (Materials to Avoid): Strong Oxidizers
Hazardous Decomposition products: Carbon monoxide, Carbon dioxide, and Oxides of nitrogen
Hazardous Polymerization: Will not occur

Section VI- Health Hazard Data

Routes of Entry: Inhalation? Yes Skin? Yes Ingestion? Yes
Health Hazards (Acute and Chronic)
May cause dizziness or narcosis in high vapor concentrations. Will cause defatting of skin. Effects are reversible. Long-term exposure (years) vapor may cause lung, liver or kidney damage. The solvents listed have been reported to affect the central nervous system. Signs and Symptoms of Exposure: Inhalation - difficulty in breathing; Skin – redness; Ingestion - vomiting
Medical Conditions Generally Aggravated by Exposure: Heart Disease; respiratory disorders.

Emergency and First Aid Procedures:
If overcome by vapors give oxygen. Do not induce vomiting. Wash eyes with large quantities of water.
Wash skin with soap and water.

Carcinogenicity: NTP? No IARC Monographs? No OSHA? No

Section VII - Precautions for Safe handling and Use

Steps to be taken in Case Material is Released or Spilled: Eliminate all ignition sources. Scrape up with NONSPARKING tools. FLASHBACK POSSIBLE.

Waste Disposal Method: Dispose as hazardous waste in accordance with EPA RCRA.

Precautions to be taken in Handling and Storing: Keep away from heat, sparks or open flame. Store at temperatures below 120°F

Other Precautions:

Excessive skin contact may defat skin causing dermatitis.

Respiratory Protection (Specify Type): Self contained breathing apparatus if above TLV limit.

Ventilation Local Exhaust: YES Mechanical (General)

Special: NONE

Protective Gloves: Neoprene, Viton

Eye Protection: Wear eye protection.

Other Protective Clothing or Equipment: N/A

Work/Hygienic Practices: Do not smoke while using. Wash your hands after every use. Avoid unnecessary exposure.

* SARA

All chemical compounds marked with an asterisk (*) are toxic chemicals subject to the reporting requirements of Section 313 of Title III of the Super Fund Amendments and Reauthorization Act (SARA) if 1906 and 40 CFR Part 372. You must notify each person to whom this mixture or trade name product is sold. This statement must remain a part of this Material Safety Data Sheet. This statement must not be detached. Any copy or redistribution of this Material Safety Data Sheet shall include this statement.