



Protect

"The Ultimate Floor Neutralizer"

(Solids Removable Undercoat Sealer)

- **Builds Gloss Quicker**
- **Excellent Removability**
- **Non Yellowing**

Protect Seal is a metal cross-linked floor sealer concentrate. It has been designed to provide a level base for today's modern floor finish systems. Protect Seal has excellent hold out which allows subsequent coats of floor finish build gloss quicker requiring less floor finish to achieve a wet look appearance.

Typical Properties:

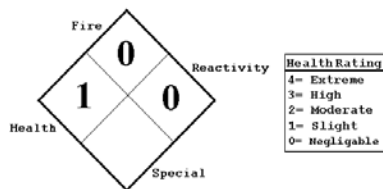
Non-Volatile Solids (ASTM D2834)	20% minimum
Slip Resistance (ASTM D2047)	>0.50 COF
Recoatability (ASTM D3153)	Exceeds
Detergent Resistance (ASTM D3207)	Exceeds
Removability (ASTM D1792)	Exceeds
pH (ASTM E70)	8.0-8.5
Soil Resistance (ASTM D3206)	Excellent
Freeze Thaw (ASTM D3209)	Passes
Dry/Recoat Time	30 Minutes or Dry to touch
Coverage (Internal Method)	Up to 3000 ft ² per Gallon

Manufacturing Instructions:

Liquid Solutions of America takes the hassle out of floor finish production. No more bad batches or rework. Protect is completely and easily dilutable with water. Soft water should be used, <10 ppm hardness is recommended.

- Determine the solids level desired in the final product.
- Determine the amount of Protect and water to be mixed.
- To a suitable mixing vessel, add Protect and water. Either component may be added first without affecting the quality of the finished polish.
- Agitate until the mixture is homogeneous.
- Package finish as appropriate.

Material Safety Data Sheet



Section I Company Information

Product Name: Protect

Company Name: Liquid Solution Of America
Address: 2155 Stonington Ave, Hoffman Estates, IL 60195
Phone: 630-855-8010
Emergency: 630-247-0801

Proper Shipping Name: Not Regulated
Identification No: Not Applicable
Hazard Class: Not Applicable
Generic Description: Floor Finish Concentrate

Section II Hazardous Ingredients

CAS No	Ingredient	%	TLV
*111773	DEG Methyl Ether	2-5	NE
78513	Tributoxyethyl Phosphate	1-5	NE
38714475	Zinc Ammonium Carbonate	1-5	25 ppm (NH3)

* Subject to SARA 313 Reporting requirements

Section III Physical Data

Boiling Point: 212 F Specific Gravity: 1.055
Vapor Pressure: Not Determined Percent Volatiles: 80%
Vapor Density: Less than Air H2O Solubility: Complete
Evaporation Rate: Slower than n-Butyl Acetate
Appearance & Odor: White milky liquid, Typical Acrylic odor
VOC: 154 g/l (1.325 Lb/gal)

Section IV Fire & Explosion Data

Flash Point: None
Extinguishing Media: Foam or carbon dioxide or dry chemical.
Firefighting Procedure: Wear self-contained breathing apparatus with a full facepiece operated in pressure-demand or other positive pressure mode when fighting fires.

Section V Health Hazard Data

Eyes: Can cause mild to moderate irritation.
Skin: Prolonged or repeated contact can cause moderate irritation, defatting, dermatitis.
Breathing: Excessive inhalation of vapors can cause nasal and respiratory irritation.
Swallowing: Can cause gastrointestinal irritation, nausea, vomiting, and diarrhea.
First Aid Procedures:
Eyes: Irrigation of the eye immediately with water for ten minutes is good safety practice.
Skin: Wash off in flow water or shower. Wash clothing before reuse.
Inhalation: Remove to fresh air if effects occur. If respiration stops, give mouth-to-mouth resuscitation. Administer oxygen if available. Call physician and/or transport to medical facility.
Ingestion: Seek medical attention. Unless advised otherwise, induce vomiting by giving either syrup of ipecac followed by 2 glasses of water or by sticking finger down throat. Do not give anything by mouth if the person is drowsy, unconscious or has no gag reflex.

Section VI Reactivity Data

Hazardous Polymerization: Will not occur
Stability: Stable
Incompatibility: Avoid strong oxidizing agents.

Section VII Spill & Leak Procedures

Response to spills: Stop discharge, if it can be performed safely, and contain material. If a substantial quantity is spilled, recover with pump or vacuum. Otherwise, use an absorbent material. Place contaminated material in a suitable container for disposal. Do not flush to sewer, stream or other bodies of water.

Section VIII Protective Equipment

Respiratory Protection: If TLV of the product or any component is exceeded, a NIOSH/MSHA jointly approved air supplied respirator is advised. Engineering or administrative controls should be implemented to reduce exposure.
Ventilation: Provide sufficient ventilation to maintain exposure below TLV(s).
Protective Gloves: Wear chemical resistant gloves such as nitrile rubber.
Eye Protection: Chemical splash goggles are advised.
Other Protective Equipment: Wear impervious clothing and boots.

Section IX Special Precautions

Precautions to be taken in Handling and storage: Handle with reasonable care. Avoid breathing vapors. Store in a cool dry place. Dispose of empty containers in accordance with local, state and federal guidelines. This product contains DEG Methyl Ether which is subject to the reporting requirements of section 313 of the Emergency Planning and Community Right to Know Act of 1986 and of 40 CFR 372.

Warranty Information - Please Read Carefully:

Liquid Solution Of America believes that the information in this literature is an accurate description of the typical characteristics and/or uses of the product, but it is your responsibility to thoroughly test the product in your specific application to determine its performance, efficacy and safety. Liquid Solution Of America provides the sole warranty that the product will meet our current sales specifications. Your exclusive remedy and Liquid Solution Of America only liability for breach or warranty is limited to refund of the purchase price or replacement of any product shown to be other than as warranted, and Liquid Solution Of America expressly disclaims any liability for incidental or consequential damages.

Prepared: 5/7/98
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