Technical Data Sheet

Release Date: Aug, 2026, **No.:** REZUX-SL-20260827-01E

Enfinol® SL10

Version: 2

Overview

- Enfinol® SL10 is a silane oligomer containing epoxy functional groups, which can be used as a coupling agent, adhesion promoter, and crosslinker in water-based coatings.

Product Features

- With a multifunctional structure containing a γ-glycidyloxy group, it reduces the methanol release during material hydrolysis compared to typical monomeric epoxy silanes.
- Enhanced wear and friction resistance, particularly suitable for formulations with high filler content where the fillers are silane-reactive (e.g., talc powder, kaolin).
- Exhibits superior adhesion to concrete, glass, and metals (including cold-rolled steel, hot-dip galvanized steel, aluminum, etc.).
- Superior chemical and corrosion resistance with enhanced film hardness

Physical Property

Products Typical Data	
Appearance	Yellow liquid
Solid content (%)	98
Dynamic viscosity（25℃，cSt）	45
Density（25 ℃，g/cm³）	1.16

Application

- Suitable for acrylic dispersions, styrene-acrylic dispersions, vinyl-acrylic dispersions, polyurethane dispersions, epoxy dispersions, and other anionic or cationic adhesive systems.
- Water-based coatings, powder coatings

Use Method

- This product is soluble in alcohols, ketones, and benzene, and undergoes cross-linking upon contact with water, producing methanol.
- The optimal addition amount should be determined through a series of tests

Packaging & Storage

- 20kg、200kg & 1000 kg/Barrel
- Store in the original container under sealed conditions in a cool, dry environment, avoiding direct sunlight exposure.
- The product has a shelf life of 12 months from the date of manufacture.

Service Restrictions

- This product has not been tested nor has it been specifically stated that it is suitable for medical or pharmaceutical use. It may not be used for human injection or consumption.

Limited Warranty Information - Please read carefully

- The content of this product data sheet is based on the products owned by my company, and is provided for reference only.
- Due to the numerous formulations, production, and application conditions, customers should pre-test the adaptability of my company's products before using them to determine their performance, efficiency, and safety.
- The suggestions we provide shall not be considered as a cause of any patent infringement. The sole responsibility of our company is to refund the money or exchange it for a product with same value.
- Welcome to visit our website, **www.rezux.com**, for more information.