

TECHNICAL DATA SHEET

SR511

2-Hydroxyethylethylene Urea (with Water)

DESCRIPTION

SR511 is a 75% solids monomer that reduces VOCs and increases solids levels, while maintaining film properties of solvent-based and water-borne industrial baking coatings crosslinked with amino resins. SR511 significantly improves gloss and clarity of emulsion-based coatings, and increases the open-time of waterborne systems.



SHELF LIFE

Store in the original, closed container in a dry, cool (<45°C) and well-ventilated place. Keep away from frost and heat (open flames, hot surfaces and sources of ignition) sources. Typical shelf-life is 6 months from delivery date for unopened containers. In cases where product sampling is required to carry out incoming quality tests, shelf-life should be maintained beyond opening, provided that it is tightly closed immediately after and that contamination with foreign bodies is avoided.

Inhibitors have been added to enhance storage stability. They require the presence of air in the container in order to improve their efficiency. Keep stabilizer levels constant to avoid explosive polymerization. An air space is required above the liquid in all containers

STORAGE

See SDS for Storage Considerations

HEALTH AND SAFETY

See SDS for Health & Safety Considerations

LIQUID PROPERTIES

Appearance	Clear liquid
Color (Pt/Co or APHA)	<100
Density at 25°C (g/mL)	1.1163

PRODUCT PERFORMANCE

Hardness
Shrinkage
Flexibility
Wood Adhesion
ABS/PC Adhesion
Metal Adhesion
PVC/PS Adhesion
Pigment Wetting
Weatherability
Chemical Resistance
Moisture Resistance
Corrosion Resistance
PE/PET/PP/PMMA Adhesion
Stain Resistance

SUGGESTED APPLICATIONS

Wood coatings