

# Zinc Oxide Solution No.1

**Product Description** Zinc Oxide Solution No. 1 is a zinc ammonium carbonate crosslinking agent for overprint varnish, industrial coating, and functional packaging coating applications.

**Key Features & Benefits**

- Carboxyl group crosslinking agent
- Improves heat and water resistance
- Improves film hardness

**Chemical Composition** Zinc ammonium carbonate solution

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## Properties

<b>Typical Properties</b>	Appearance		clear, water-white solution
	Non-Volatile	%	15
	pH		11.4
	Viscosity at 25°C	cps	5
	Density at 25°C	g/cm <sup>3</sup>	1.22
	Freeze-thaw stable		Yes
	Total VOC	% wt	< 0.005

These typical values should not be interpreted as specifications.

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## Applications

Zinc Oxide Solution No.1 is a zinc ammonium carbonate solution designed to be used as an additive in aqueous inks and coatings where improved heat resistance and film hardness are desired. This solution provides improved film properties without substantially reducing gloss.

Zinc Oxide Solution No.1 is recommended for applications such as:

- Overprint varnishes for commercial, publication, or packaging applications
- Functional packaging coatings for barrier, heat-seal, pre-metallization, or film/foil applications
- Interior/exterior wood coatings for millwork applications

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## Safety

**General** The usual safety precautions when handling chemicals must be observed. These include the measures described in federal, state, and local health and safety regulations, thorough ventilation of the workplace, good skin care, and wearing of protective goggles.

**Safety Data Sheet** All safety information is provided in the Safety Data Sheet for Zinc Oxide Solution No.1.

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## Storage

Please refer to the "Handling and Storage of Polymer Dispersions" brochure.

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