

# Sinochem Dongda (Zibo) Co., Ltd.

## Product Introduction

A-500E is a bisphenol A series polyoxyethylene ether with high purity, refractive index, and reactivity, and uniform molecular chain distribution. It is suitable for UV-curable resin synthesis, electronic adhesives for electronic products, optical adhesives and protective coatings, elastomers, waterborne coatings preparation, and can also be used for optical fiber and photovoltaic protective coatings, LED display screens, and semiconductor chip photoresist preparation. The product is applied in adhesives, coatings, photosensitive films, lenses, and other fields, which can improve the mechanical strength of products, enhance aging resistance, and chemical corrosion resistance.

## Specifications

Item	A-500E	Test Standard
Appearance	Transparent liquid, free of suspended matter	Q/ZHDDZB 05.10.001-2024
Hydroxyl Value, mgKOH/g	225±5	Q/ZHDDZB 05.10.001-2024
Viscosity (25°C), mPa·s	2500-4000	Q/ZHDDZB 05.10.001-2024
Water Content, %	≤0.050	Q/ZHDDZB 05.10.001-2024
Acid Value, mgKOH/g	≤0.050	Q/ZHDDZB 05.10.001-2024
Potassium, mg/kg	≤8	Q/ZHDDZB 05.10.001-2024
		Q/ZHDDZB

pH	5.00~7.00	05.10.001-2024
Color, APHA	≤50	Q/ZHDDZB 05.10.001-2024

## Packaging

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Packaged in clean, dry, sealed, leak-proof dedicated painted iron drums, net weight 200kg per drum; or in tank trucks, flexitanks, IBCs. Packaging can also be customized according to customer requirements. Containers must be kept sealed.

## Storage & Transportation

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During transportation, protect A-500E from rain and contamination. Handle with care to avoid impact with hard objects which may cause leakage.

Store A-500E in a ventilated, dry warehouse at room temperature. Avoid humid environments. Storage temperature should be maintained below 50°C. Avoid direct sunlight and keep away from water sources and heat sources. Alternatively, store sealed in containers made of steel, aluminum, polyethylene, or polypropylene. To prevent moisture absorption and oxidation, it is recommended to fill the container headspace with nitrogen. Storage temperatures above 60°C will lead to product quality degradation. Short-term temperature increases or decreases have little impact on product quality, but note that viscosity increases significantly at lower temperatures, which may cause difficulties in processing.

## Shelf Life

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Under correct storage conditions, the shelf life is 1 year from the date of production.

Note: For low-odor products, customers are advised to use them as soon as possible.

## Safety Information

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A-500E is classified as a non-hazardous substance. It has a high flash point and is combustible. In case of fire, use foam, dry powder, steam, or water to extinguish. It is non-explosive. The toxicity of general neutral polyether polyols upon ingestion

is non-explosive. The toxicity of general neutral polyether polyols upon ingestion or contact with skin, eyes, or mucous membranes is negligible. In case of skin contact, wash with soap and water. In case of eye contact, flush with low-pressure clean water or seek medical treatment. Workers may wear eye protection or safety glasses. Eye wash and shower facilities should be available near the work area. The product is generally considered non-hazardous to skin. When working in areas where contact with the product is possible, pay attention to personal hygiene. Wash skin that has been in contact with the product using cleaning products before eating, drinking, smoking, or leaving the work area.

## Spill Handling

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Stop the leak if it is safe to do so. For minor spills, absorb with sand or other absorbent material and place in a clean, dry container for subsequent disposal. For large spills, collect the spilled material for subsequent disposal. Prevent material from entering groundwater or surface water, as it is not readily biodegradable. All collected spill material should be disposed of in accordance with local environmental regulations.

## Disclaimer

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The information and technical advice provided above are obtained from reliable sources. However, we make no warranty, express or implied, regarding the data provided and give no guarantees herein. We recommend conducting a series of tests if you intend to use our product. The application, use, processing, or production of goods based on the technical information we provide is beyond our control, and therefore the responsibility lies with the user. The conditions and methods of handling, storage, use, or disposal of this product are beyond our control and may be beyond our knowledge. In no event shall we be liable for any loss, damage, or expenses incurred due to improper handling, storage, use, or disposal of this chemical.

For more information, please refer to the Technical Safety Data Sheet (SDS) for our product or contact our Market Service Department.

## Contact Information

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