



## Technical Data Sheet

**Product Name:** Polyurethane Anti-yellowing Agent UVK-TC

### Typical Properties:

Appearance	Colorless to yellowish liquid
Density (g/cm <sup>3</sup> , 25°C)	1.148
Viscosity (mPa.s, 25°C)	230 ± 150
Odor	With slight special odor

**Solubility:** It is easily soluble in general polyurethane materials such as polyether polyols and plasticizers.

### Features & Application:

Polyurethane products, synthesized from different raw materials, may exhibit irregular yellow/red spots in local locations (near cardboard boxes) after being stored in a specific enclosed space for a period of time. Especially for light colored products exported overseas, such as ice skate wheels and skateboard wheels, after mixed packaging with other polymer materials, they undergo long-distance sea transportation in high-temperature sealed containers, although the product quality and color are normal when packaged in cardboard boxes, however, upon arrival at the destination for unpacking inspection, it was found that there were varying degrees of yellow/red spot pollution on the surface of the polyurethane. Especially when PVC materials were mixed in the packaging of the cardboard box, the yellow/red spots phenomenon was even more severe, which could easily lead to return claims.

UVK-TC is an environmentally friendly additive specifically developed to suppress the occurrence of yellow/red spots. Through special anti oxidation treatment, it can prevent or eliminate the occurrence of yellow/red spots.

Recommended for light colored or transparent polyurethane elastomer products with strict appearance requirements, such as ice skateboard wheels, PU crafts, etc.

### User's Guide:

- It can be added into isocyanate or polyol components at any stage, and it is recommended to add it into polyol components, and then stir thoroughly and evenly.
- The dosage depends on the severity of yellow/red spots, and the recommended dosage is 0.3-1% of the weight of PU.
- Pay attention to airtight storage during normal use, and immediately cover and seal it tightly after use. Do not expose it to the air.

### Handling & Storage:

Product should be stored in a cool, dry environment away from sunlight, excessive heat and rain.

**Package:** 25kg/200kg in HDPE drum

**Shelf Life:** The unopened shelf life is 18 months from the date of manufacture. If it passes the inspection after expiration, it can be used normally.

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