



## Aziridine crosslinking agent

### RT-3917

#### Product features and advantages:

Multifunctional aziridine crosslinking agent, improve the crosslinking strength of water-based coatings, improve water resistance, alcohol resistance. Used in water-based and partial solvent-based inks, coatings, pressure-sensitive adhesives, adhesives and other fields, it has significantly improved the resistance of cross-linked film products to washing, scrubbing, chemicals, and adhesion on various substrates.

1. Improve the crosslinking strength of water-based coatings
2. Improve water resistance
3. Alcohol resistance

#### Technical index:

appearance	Colorless to light yellow transparent liquid body
Solid content	>99%
viscosity	150~ 250cp@25℃
Molecular formula and molecular weight	C <sub>24</sub> H <sub>41</sub> O <sub>6</sub> N <sub>3</sub> ; 467.67
Methyl aziridine group content	6.16 moles per kilogram
Freezing point	1.08g/ml @20℃
solubility	Water, alcohol, ketone, ester and other common solvents completely dissolved
CAS number	64265-57-2



## **Product Application:**

The addition amount is usually 1-3% of the solid content of the emulsion. The PH value of the emulsion should be kept in the range of 8-9.5 when it is best added, and the use in acidic media should be avoided. RT-3917 crosslinker mainly reacts with the carboxyl group in the emulsion, and the effect is good at room temperature, but the baking effect is better at 60-80°C. In order to determine the best results, customers are advised to test according to their own process requirements.

RT-3917 crosslinker is a two-component type, once added to the system, it is recommended to be used within 8-12 hours. It is best for customers to test according to the actual use temperature and compatible resin system to determine its applicable period. At the same time, it has a slightly irritating ammonia taste, so be careful when disposing, and avoid direct contact with the skin and eyes, and try to use in a ventilated environment. Special attention should be paid to prevent oral and nasal inhalation when spraying, and special masks, gloves and protective clothing should be worn for operation.

**Packing:** 4\*5Kg plastic drum, 25Kg lined with plastic iron drum.

## **Storage and expiration date:**

- Please note that when storing, it is recommended to store the product in a dry, cool and airtight environment, avoid contact with acidic substances and oxidants, and avoid freezing.
- The storage period of this product is 12-18 months from the date of production and must be kept in its original packaging. It should be noted that the product is not flammable and explosive, but it has a certain corrosiveness and belongs to common dangerous goods.