

# **Aluminum Acetylacetonate LD-805**

**(Similar to Japan NACEM)**

**Molecular formula:**  $(\text{CH}_3\text{COCHCOCH}_3)_3\text{Al}$

**English name:** Aluminum Acetylacetonate

**CAS NO.:** 13963-57-0

## **First, main characteristics**

Appearance: white crystal powder

Purity: 99.9%

Aluminum content:  $8.3 \pm 0.1\%$

Melting point: 191-194°C

Soluble in benzene, methylbenzene, dimethylbenzene, methyl alcohol, insoluble in water.

## **Second, usage**

It is mainly used as a curing accelerator for epoxy resins, crosslinking agent for phenol, silicone, acrylic resins. It can improve adhesion in white inks, transparent inks and other printing inks without negative influence on the color. Chelation takes place between Aluminum acetylacetonate and phenolic antioxidant in the base material, printing inks and paint union, to improve the adhesion of electron adhesion promoter.

## **Third, application**

Pretreatment must be taken if base material is without -OH, -COOH, -NH<sub>2</sub> groups, direct use with resins like PA, NC, PU, PVB, CAB, CAP, EVA and so on.

## **Fourth, recommended dosage**

Acrylics PSA (solvent) bridging agent amount is about 1/1000. Amount is variable according to the effects in summer and winter.