

Technical Data Sheet

PRODUCT NAME: SUNPOLYMER AS-9005

Product Descriptions:

SUNPOLYMER AS-9005 is a highly efficient liquid amino acrylate synergist which is used in radiation curable products. They are used to enhance the performance of UV-curable systems.

Key Properties:

- ❖ Amino acrylates work by reacting with the acrylate groups present in the oligomers, leading to the formation of a cross linked network. This results in improved mechanical properties and chemical resistance in the cured material.
- ❖ Amino acrylates also improve the curing efficiency by increasing the absorption of UV light and reducing the amount of residual monomers in the cured material. They also have low volatility and low toxicity.
- ❖ Amino acrylates are commonly used in UV-curable coatings, adhesives, inks, and other industrial applications. They are also used to improve the properties of UV-curable resins used in 3D printing.

Basic Properties:

- ❖ Appearance : Colorless to slightly yellow liquid
- ❖ Viscosity : 15-100 cps (at 25°C)
- ❖ Efficient content : 100 (%)
- ❖ Color (Gardner) : 2 Max

Area of Application:

- ❖ Printing inks
- ❖ General industrial coatings
- ❖ Protective coatings
- ❖ Automotive specialty coatings

Packing Size:

- ❖ 25 Kg Carboy

Safety & Handling:

For safe handling must be follow instruction as under:

- ❖ It should be stored in cool and dry place sealed original pack.
- ❖ Avoid additives, contact with human body, wear gloves & mask during the handling the polymer lumps.
- ❖ In case of body contact carefully wash with acetone and alcohol, after that thoroughly clean with soap and water.
- ❖ In case of eye contact, wash with running water for about 15-20 minutes and treat under the supervision of medical officer only.

Storage Conditions:

- ❖ It should be stored in dry place temperature in between 4-40 centigrade in original container kept tightly closed.

Disclaimer: All suggestions for use of our recommended products cited here are based on the results of tests carried out in our R&D lab and correct to the best of our knowledge and belief. However, no legal liability can be accepted with respect of such information as we cannot control the application procedures adopted by our users. We suggest having a pilot trial for the users prior to full commercialization of this product.