

## Product Manual(TDS)

### Urethane acrylate BW 8099D

#### Product introduction

**BW 8099D** is a polyurethane acrylate with high hardness. It is especially suitable for plastic UV coatings, UV hardening liquids and UV inks, providing good scratch resistance, excellent hardness and abrasion resistance to the coating film.

#### Product characteristics

|                         |                          |                              |      |
|-------------------------|--------------------------|------------------------------|------|
| Functional              | 10                       | Hardness                     | -    |
| Active Ingredient (%)   | 100%                     | Proportion (25°C)            | 1.20 |
| Appearance (25°C)       | Clear transparent liquid | Shrinkage(%)                 | -    |
| Viscosity (cps at 40°C) | 10,000 - 20,000          | Refractive Index(nd at 25°C) | 1.50 |
| Color (APHA)            | ≤ 60                     | Elongation At Break (%)      | -    |
| Acid Value (mg KOH/g)   | ≤ 1                      | Tensile Strength (MPa)       | -    |

- Excellent abrasion resistance;
- High hardness;
- Fast curing speed;

#### Applications

- It is used in UV coating of plastic, UV ink.

#### Packaging

- In 20 kg plastic drums
- In 200 kg metal drums

#### Storage

- Store in a properly sealed container, away from sunlight and heat;
- At normal room temperature storage conditions, the product storage stability of at least 6 months;
- Low temperature or long-term storage, this product may form a false plastic layer;
- This rheological change can be restored by stirring or slight heating (up to 45°C);

**It is especially suggested that the above data and suggestions are based on experimental data, but due to the uselessness of users, we can not provide any guarantee for the integrity and accuracy of the information.**

**We recommend that customers choose our products and adopt them. Determine their applicability before making our recommendations.**

