



coreychem<sup>®</sup>

## Career Henan Chemical Co.

### Certificate Of Analysis

#### 1-hexanediol diacrylate (HDDA)

|  |                                  |  |
|--|----------------------------------|--|
|  | CAS No                           | 13048-33-4                                     |
|  | molecular formula                | C <sub>12</sub> H <sub>18</sub> O <sub>4</sub> |
|  | EINECS                           | 235-921-9                                      |
|  | water-solubility                 | H <sub>2</sub> O:0.36 g/l                      |
|  | Hazard class code                | 36/38-43                                       |
|  | Dangerous goods transport number | UN 3082 9/PG 3                                 |
|  | HS Code                          | 2916129000                                     |

#### Properties

|                         |                     |
|-------------------------|---------------------|
| Appearance              | Transparency liquid |
| chroma APHA             | ≤ 50                |
| Acid value mgKOH/g      | ≤ 1                 |
| Sticky degree CPS/25 °C | 5-12                |
| Moisture content %      | ≤ 0.2               |
| MEHQppm                 | 100-250             |
| Purity %                | ≥97                 |

#### Packing

200KG (Metal bucket)

#### Applications

Used as active diluent for radiation curing coatings, acrylic ester for synthesis and production of polymer raw materials.

#### Storage

HDDA should be stored stably in air (non-inert gas), dark and temperature not exceeding 25 °C to prevent dark polymerization

(77 F). According to experience, the product can be stored in these conditions for 6 months. If the storage time or temperature is significantly over, HDDA may be polymerized. Storage containers and pipes shall be made of stainless steel, aluminum or glass. For small quantities, polyethylene containers also apply. Due to light radiation, the monomer should be kept in dark conditions to avoid polymerization. Flammable liquid storage regulations (electrical explosion proof, canvas cover and fire extinguishing cover, etc.) should be observed. Storage containers, pumps and pipes shall be buried underground

Quality control:Dr Lian

Inspector: Xu

