

Organosilane AE301

Product Description

Chemical Name: N-(beta-aminoethyl)-gamma-aminopropyltrimethoxysilane

Synonym: N-(2-aminoethyl)-3-aminopropyltrimethoxysilane

N-(3-(trimethoxysilyl)propyl) ethylenediamine

Chemical Structure:



Empirical Formula

C₈H₂₂N₂O₃Si

Molecular Weight

222.36

CAS No.

1760-24-3

EINECS No.

217-164-6

Typical Physical Properties:

| | |
|---|-------------------------------------|
| Appearance | Colorless to light yellowish liquid |
| Specific Gravity, (25/25°C) | 1.028 |
| Refractive Index, n _D (25°C) | 1.4430 |
| Flash Point* | 138°C(280°F) |
| Boiling Point | 259°C(498°F) |

* Determined by ASTM Method D 93 using the Pensky-Martens closed cup.

Commodity Specification

| | |
|---|-------------------------------------|
| Appearance | Colorless to light yellowish liquid |
| Content, (by GC) | 97% min |
| Specific Gravity, (25/25°C) | 1.010—1.040 |
| Refractive Index, n _D (25°C) | 1.4380—1.4460 |

Application Direction

General Information: It is a diamino-functional silane that find use as a coupling agent providing superior elongation, flexibility and spreading at the interface of polymers. It is used to promote adhesion between resins that react with amino groups and the surfaces of glass, mineral, metal, etc.

Suitable Polymers: Bulyl, Polyurethane (2K), Cellulosis, PVB, Epoxy, Silylated Polyether, Silylated Polyurethane, Nulamine, Silicone, Nitrocellulose, Polyamide, Polyether etc.

Packing & Storage

Normally packed in 200 kg net drums or 1000kg net IBCs UN approved, sea-worthy for exporting. Stored in cool and dry air-flowing area preventing sunlight

Safety Materials

Material Safety Data Sheet (MSDS) is available separately

The above information is believed to be correct but does not purport to be all inclusive and shall be used only as a guide. ONICHEM shall not be held liable for any damage resulting from the use of the above product. The users are suggested to select the suitability of the products and methods of application.