

Technical Data Sheet

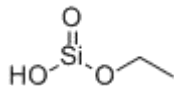
TDS NO.: KBR-Si-40

Revision Date: 27/04/2020



Ethyl silicate

Chemical Structure:



Typical Physical Properties

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|--------------------|---|
| Product No.: | KBR-Si-40 |
| Chemical Name: | Ethyl silicate |
| CAS No.: | 11099-06-2 |
| EINECS No.: | 234-324-0 |
| Molecular Formula: | C ₂ H ₆ O ₃ Si |
| Molecular Weight: | 106.15274 |
| Appearance: | Transparent colorless liquid |
| Density: (22.5°C) | 0.939g/ml |
| Purity: | 38-42% |

Application and Performance

Mainly used in chemical-resistant coatings and heat-resistant coatings, silicone solvents and precision adhesives. After complete hydrolysis, it produces extremely fine silica powder, which is used to make fluorescent powder and can also be used as a chemical reagent.

Ethyl orthosilicate is mainly used in optical glass, chemical-resistant coatings and heat-resistant coatings and adhesives; modification of anticorrosive coatings; crosslinking agents, binders, dehydrating agents; Manufacturing.

Insulation materials for the electronics industry, coatings, optical glass treatment agents, coagulants, organic synthesis, solvents for preparing silicones.

Safety

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|---------------------|----------------------|
| Risk Statements : | 10-20-36/37-36/37/38 |
| Safety Statements : | 16-36/37/39-26-24/25 |
| UN No.: | 1292 |
| RTECS No.: | VV9450000 |
| Hazard Class: | 3 |
| Packing Group: | III |
| TSCA: | YES |
| HS Code: | 29209070 |

Packaging

10KG/pail, 25KG/pail, 200kg/drum or other packing on request. 1000 IBC drum, 20MT/Tank