

Ethyl Silicate 40**RUT ES****Application**

Cross-linker for rubber RTV, a binder for the manufacture of ceramic forms of precision casting, a binder in heat-resistant, chemical and atmospheric coatings (for glass, ceramics, metal surfaces); binder for paints with high zinc content (anti-corrosion effect); binder in the manufacture of dental prostheses in medicine.

CAS No.

78-10-4

Molecular Formula

$\text{C}_2\text{H}_5\text{O}[\text{Si}(\text{OC}_2\text{H}_5)_2\text{O}]_n\text{Si}(\text{OC}_2\text{H}_5)_3$, $n=0-4$

Appearance & Property

Colorless transparent liquid with low viscosity.

Typical product data

content of SiO_2 (%)	40 – 42
density (ρ^{20} , g/cm ³)	1.05 -1.07
dynamic viscosity (25°C, mm ² /s)	4 – 7
free acid (as HCl)	≤0.01%
flash point (open cup)	≥62°C

Hazard Class

3

Package Class

III

Package

Steel drums, IBC containers.

Storage

Keep in dry and well-ventilated place, protected from moisture and water.

Safety information

Wear personal protective equipment. Ensure adequate ventilation. Keep away from open flames, hot surfaces and sources of ignition.

Ship according to regulations for dangerous chemical products.