

Technical Data Sheet

Rev. 1 - Data rev. 09/2019

# PROMOTER KS 205

**CHEMICAL NAME:** Tetraethoxysilane  
**FORMULA CHIMICA:** C<sub>8</sub>H<sub>20</sub>O<sub>4</sub>Si  
**CAS:** 78-10-4  
**MOLECULAR WEIGHT:** 208.33

**APPLICATIONS:** **Promoter KS 205** is mainly used in the manufacture of chemical-resist and heat-resist coatings, organosilicon solvents and adhesives of precision casting. When be completely hydrolyzed, it will generate tiny silicon oxide powder which can be used in making fluorescent powder. Applied to natural stones or other construction materials, it forms a silica-gel like binder (SiO<sub>2</sub>) that increases the substrate strength. Polymerization of silicone resins for use in paints and other surface modification applications. And it is the intermediate for sol-gel process. Further more, it can improve the performance of other resins and also it is the material for making silicon macromolecular compounds.

**TYPICAL PHYSICAL PROPERTIES:**

Appearance	Clear, colorless liquid
Specific Gravity at 25/25°C	0.929 - 0.939
Boiling Point, °C	166 - 169
Refractive Index, nD (25°C)	1.3786 – 1.3868
Flash Point, Pensky-Martens Closed Cup(1), °C	48

**PACKAGING & STORAGE:** Be packed in 25KG, 200KG drums, IBC and ISO Tank.  
Be sealed and stored in cool and well ventilated place. Away from fire and water.

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