

PROMOTER KS 205

<u>CHEMICAL NAME:</u>	Tetraethoxysilane
<u>FORMULA CHIMICA:</u>	C ₈ H ₂₀ O ₄ Si
<u>CAS:</u>	78-10-4
<u>MOLECULAR WEIGHT:</u>	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 (SiO₂) 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.

The information submitted in this publication is based on our current knowledge and experience. In view of the many factors that may affect processing and application, this data does not relieve processors from the responsibility of carrying out their own tests and experiments. Neither do they imply any legally binding assurance of certain properties or of suitability for a specific purpose. It is the responsibility of those to whom K Chimica supply their own products to ensure that any proprietary rights or patents and existing laws and legislation are observed. The product has not been tested for, and is therefore not recommended for, uses for which prolonged contact with mucous membranes, abraded skin, or blood is intended; or for uses for which implantation within the human body is intended.