



Technical Data Sheet

Name: Ethyl silicate

CAS: 78-10-4

Molecular Formula: $C_8H_{20}O_4Si$

Molecular Weight: 208.33

EINECS: 201-083-8

Packing: 200kg/drum

Technical indicators:

ITEM	PMA
APPEARANCE	Transparent liquid
Density	0.933 g/mL at 20 °C(lit.)
PH	7 (20°C)

Application:

Ethyl silicate is also known as tetraethyl silicate or tetraethoxysilane. Colorless and transparent liquid with a special odor. It is stable in the presence of anhydrous substances, decomposes into ethanol and silicic acid upon contact with water, becomes turbid in moist air, and is soluble in organic solvents such as alcohol and ether. Toxic and highly irritating to the eyes and respiratory tract. It is produced by distillation after the reaction of silicon tetrachloride and anhydrous ethanol. It is used for making heat-resistant and chemically resistant coatings and preparing silicone solvents. It can also be used in organic synthesis, as a basic raw material for preparing high-grade crystals, as an optical glass treatment agent, a binder, and as an insulating material in the electronics industry, etc.