

Technical Data Sheet

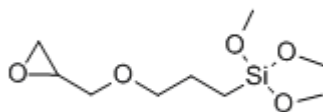
Rev. 1 - Data rev. 09/2016

PROMOTER KS 065

CHEMICAL NAME: 3-Glycidoxypropyltrimethoxysilane
SYNONYMS: [3-(2,3-Epoxypropoxy)propyl]trimethoxysilane;
Glycidyl 3-(trimethoxysilyl)propyl ether.

FORMULA CHIMICA: C₉H₂₀O₅Si
CAS: 2530-83-8
EINECS: 219-784-2

MOLECULAR STRUCTURE:



EQUIVALENT BRAND: -**Momentive:** A-187 -**Dow Corning:** Z-6040 -**Shin-Etsu:** KBM-403
-**Wacker:** GF 80 -**Evonik:** GLYMO

DESCRIPTION: It is an epoxy functional silane suitable for use as adhesion promoters in polysulfide, urethane, epoxy and acrylic caulks sealants and adhesives.

APPLICATIONS:

1. Enhances electrical properties of epoxy electronic encapsulant and packaging materials, resulting from improved bonding between resin and substrate filler.
2. Stable in waterborne applications such as acrylic and vinyl acrylic caulks and emulsion adhesive and coating.
3. Improved adhesion to glass, concrete and metal substrate can be obtained in epoxy, polysulfide, urethane and acrylic bases adhesive, sealants and caulks.
4. Improves mechanic strength of glass fiber reinforcement or minerals filled engineering plastic especially PA.

TYPICAL PHYSICAL PROPERTIES:

Appearance	Colorless, transparent liquid
GC Purity, %	≥ 98
Color, Pt-Co	≤ 30
Specific Gravity, g/cm ³	1.060
Boiling Point, (760 mm Hg) °C	290
Refractive Index, n _{D25}	1.427
Flash Point, °C	110
Free Chlorine, ppm	≤ 50
Solubility	Soluble in water after hydrolysis, alcohol, acetone, and most aliphatic esters at normal application levels fewer than 5%. Hydrolysis releases methanol.

PACKING:

This product is available in 25kg plastic pail, 200L steel drums and 1000L immediate bulk container packing.

STORAGE:

Should be stored in dry, cool, ventilated room; keep away from water, moisture, high temperature and fire.

SHELF LIFE:

This product has a shelf life of at least 12 months if stored in tightly closed original container at room temperature.
If this product is kept beyond the shelf life recommend on the product label, it is not necessarily unusable, but a quality control should be performed on the properties relevant to the application.