

SC-1120 gamma-Aminopropylmethyldiethoxysilane

PRODUCT DESCRIPTION

SC-1120 is a colorless to yellowish liquid with an amine-like odor which is soluble in alcohols and aliphatic and aromatic hydrocarbons. SC-1120 acts as an adhesion promoter between inorganic materials and organic polymers.

TYPICAL FEATURES AND APPLICATIONS

SC-1120 is a bifunctional organic compound in which the silicon-functional OC₂H₅ -groups hydrolyze in the presence of water to give ethanol and the corresponding reactive silanols, which can be bonded to an inorganic substrate; the organophilic amino group can interact with a suitable polymer.

TYPICAL PRODUCT DATA

(not intended for use in preparing specifications)

<u>CAS#</u>	3179-76-8
<u>Appearance:</u>	Colorless transparent liquid
<u>Density</u> (25°C)	0.916
<u>Refractive Index</u>	1.4272 [20°C]
<u>Purity</u>	0.98
<u>Boiling:</u>	88°C [15mmHg]
<u>Flash Point:</u>	68°C

SC-1120 is particularly important as an additive to cold-curing phenolic and furan foundry resins to improve the flexural strength of sand/resin elements. Further examples are: Glass fiber/glass fabric composites: as size constituent or finish. Glass and metal primers. Abrasives: as additive to phenolic resin binders. Sealants and adhesives: as primer or additive and for chemical modification. Synthesis of functional silicones.

The hydrolysis of SC-1120 takes place automatically in a short time of about 5-10 minutes. Hydrolysates having a concentration of < 5% are stable for more than 72 hours. The

AVAILABLE PACKAGING

SC-1120 is supplied in 180 Kgs drums and 900 kgs IBC container

SHELF LIFE AND STORAGE

In the unopened original container, shelf life is 12 months. Store in a cool, temperature controlled, well ventilated place. Keep container tightly closed.

PRODUCT SAFETY INFORMATION REQUIRED FOR SAFE USE IS NOT INCLUDED IN THIS DOCUMENT. BEFORE HANDLING, READ PRODUCT AND SAFETY DATA SHEET AND CONTAINER LABELS FOR SAFE USE, PHYSICAL, ENVIRONMENTAL, AND HEALTH HAZARD INFORMATION.

LIMITATIONS Not intended for human injection. This product is neither tested nor represented as suitable for medical or pharmaceutical uses.

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