

Product Data Sheet OS[®] 9000 Crosslinker

Selected Product Data:

PROPERTY	VALUE / DESCRIPTION
Other names	PhOS, Phenyl tris(MEKO)silane
Molecular Weight	363
Chemical Formula	C ₁₈ H ₂₉ N ₃ O ₃ Si
CAS #	34036-80-1
Flash-point (dC)	>61; Combustible product
Registration	US, Japan, Europe, Australia, Korea, China

Sales Specifications:

PROPERTY	VALUE	TEST METHOD NO.*
% wt. Assay	90.0 min.	DTM 0 - 1
% wt. Methyl Ethyl Ketoxime (MEKO)**	0.99 max.	DTM 0 - 1
% wt. Total Low Boilers	4.5 max	DTM 0 - 1
% wt. Total High Boilers	5.0 max.	DTM 0 - 1
Color (APHA)	60 max	DTM 9 - 7
Appearance ***	Clear	DTM 9 - 1

* = test methods are subject to change as better technology becomes available

** = MEKO is also included in Total Low Boiler value

*** = clear appearance means free of suspended material

Description and Use:

OS[®] 9000 is a clear and almost colorless fluid with a typical smell (MEKO).

The product readily hydrolyzes upon contact with moisture. The product is used as a crosslinker in the manufacturing of 1-part neutral cure silicone sealant and will allow those skilled in RTV sealant formulations to develop low modulus sealants with high movement capabilities. Use of OS 9000 also improves tear resistance and heat resistance of sealants.

Another important advantage of OS 9000 in silicone sealants is that achieving extended tooling time without jeopardizing crack-resistance

Shelf-life and Storage:

Product should be stored under dry and cool conditions. When stored properly all properties are guaranteed to be within the sales specifications for a period of 12 months from the day of manufacture.

Further information:

For further information please check product's MSDS or contact your sales representative.