

SILSOURCE™ SS-4040

PHENYLTRIS(METHYLETHYLKETOXIME)SILANE

PRODUCT DESCRIPTION

SS-4040, Phenyltris(methylethylketoxime)silane or POS is an organosilicon compound commonly used as a crosslinking agent in silicone-based sealants, adhesives, and coatings. The presence of a phenyl group contributes to improved adhesion and chemical resistance. The compound cures by releasing methylethylketoxime in the presence of moisture, forming a durable silicone network.

TYPICAL PRODUCT DATA*

Property	Unit	Typical Value
CAS\$	-	541-02-6
Molecular Weight	g/mol	363.53
Formula		C ₁₈ H ₂₉ N ₃ O ₃ Si
Appearance	-	Colorless to yellowish clear liquid
Boiling Point	°C	63
Flash Point	°C	90
Refractive Index	-	1.4945.1.4955
Density	g/cm ³	0.995
Purity	%	≥96%

*These values are not intended to be used as specifications but as suggested characteristics

PACKAGING

The size of the available packages can be checked with Sales Department. SS-4040 is typically supplied in 200kg steel drums and 950kg IBC totes.

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

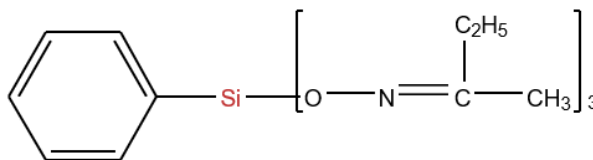
LIMITATIONS: Not intended for human injection. This product is neither tested nor represented as suitable for medical or pharmaceutical uses.

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TECHNICAL DATA SHEET



TYPICAL FEATURES AND APPLICATIONS

SS-4040 is clear and yellowish or colorless liquid with a typical smell (MEKO). The product readily hydrolyzes upon contact with moisture.

SS-4040 is used as a crosslinker in the manufacturing of 1-part neutral cure silicone sealant and will allow the skilled formulator to develop low modulus sealants with high movement capability.

INFORMATION FOR USE

SS-4040 in sealant formulations will also provide improved tear-resistance and heat-resistance. Another important advantage of using SS-4040 in silicone sealants is that extended tooling times can be achieved without jeopardizing crack-resistance.

SHELF LIFE AND STORAGE

In the unopened original container SS-4040 has a shelf life of one year in a dry and cool place.