



# KOREA BIO-GEN Co., Ltd.

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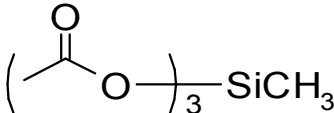
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Technical Data Sheet of MAS / Version : 1.0 / 2013.03.31

FINE CHEMICALS DIVISION

SILANE CROSSLINKER

KBG  
MAS

<b>Chemical Name</b>	Methyltriacetoxysilane	
	Methylsilanetrioltriacetate	
	Silanetriol, methyl-, triacetate	
	Triacetic acid methylsilanetriyl ester	
<b>CAS / EINECS No.</b>	4253-34-3 / 224-221-9	
<b>Structural formula</b>		
<b>Molecular formula</b>	C <sub>7</sub> H <sub>12</sub> O <sub>6</sub> Si [220.3]	
<b>Appearance</b>	Colorless or yellowish transparent liquid	
<b>Density(g/ml)</b>	1.10 ~ 1.30 (20°C)	
<b>Flash Point</b>	85°C	
<b>Boiling Point</b>	94 ~ 95 °C (9torr)	
<b>Refractive Index</b>	1.51 ~ 1.53 (25°C)	
<b>Purity</b>	90.0% min by G/C	
<b>Applications</b>	It is mainly used as cross-linking agent for RTV silicone rubber and acidity silicone sealants. Methyltriacetoxysilane are more reactive than alkoxy silanes. Methyltriacetoxysilane are frequently used as one-component mixtures to make RTV-1 silicone sealants. These mixtures have an excess of multi-functional acetoxy silane added to silanol-terminated PDMS, which results in a PDMS chain with acetoxy groups at the ends. When this compound is exposed to moisture some acetoxy groups are hydrolyzed and self-condense or react with other acetoxy and rapid crosslinking takes place. Acetic acid formation is one of the driving forces of this reaction.	
<b>Property &amp; Storage</b>	Stored in a dry and cool place and protected from light.	
<b>Package</b>	200kg/drum, 950kg/tote or other packing on request.	