

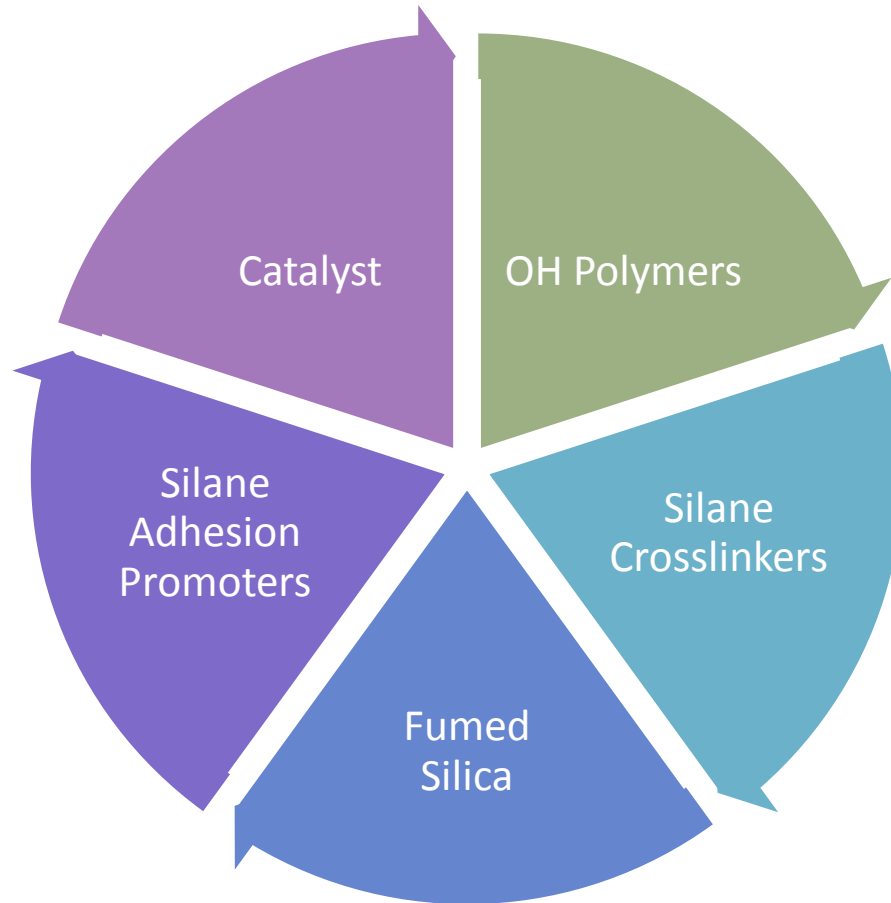
# Silanes & Silicones for RTV-1 sealant compounding



*SiSiB SILICONES - A part of PCC group.*

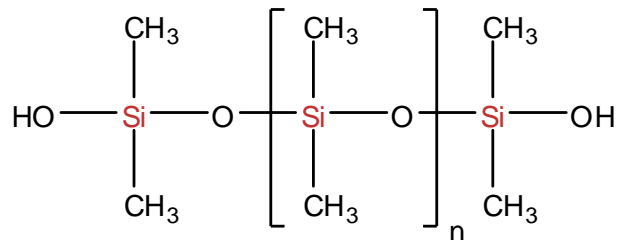
Your Reliable Partner in the Silicone Field!

# SiSiB<sup>®</sup> SILICONES for RTV-1



# SiSiB<sup>®</sup> SILICONES for RTV-1 Silicone OH Polymers

## Silanol end-capped Polydimethylsiloxane



Low viscosity fluids (SiSiB<sup>®</sup> OF0025, PF1070, 25cSt. – 750cSt.)

Middle viscosity fluids (SiSiB<sup>®</sup> PF1070, 1000cSt. - 10000cSt.)

High viscosity fluids (SiSiB<sup>®</sup> PF1070, 20000cSt. - 150000cSt.)


Silanol end-capped silicone polymers are used for the manufacturing of:

- condensation cured RTV-2 systems;
- RTV-1 adhesives and sealants.

# SiSiB<sup>®</sup> SILICONES for RTV-1 Adhesion Promoters



## Adhesion Promoters

- 
- Amino Silane
  - Epoxy Silane
  - Isocyanate Silane
  - Mercapto Silane
  - Methacrylate Silane
  - Phenyl Silane
  - Thiocyanato Silane
  - Ureido Silane
  - Vinyl Silane

# SiSiB<sup>®</sup> SILICONES for RTV-1 Crosslinking Agents

## Acetoxy Silane



- PC7930 MTA
- PC7950 ETA
- PC7960 VTA
- PC7970 PTA

## Oximino Silane



- PC7130 MOS
- PC7500 VOS
- PC7400 TOS
- PC7600 POS
- PC7133 M-MIBKO
- PC7530 V-MIBKO
- PC7410 T-MIBKO

## Alkoxy Silane



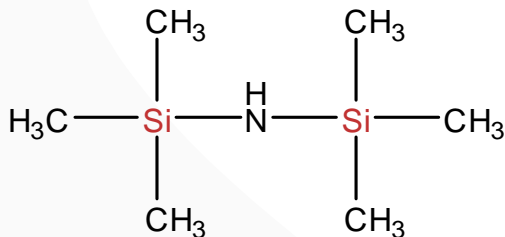
- PC5131 MTMS
- PC5132 MTES
- PC5420 TEOS
- PC5424 TEOS-40
- PC5430 TPOS

### Hydrophilic Fumed Silica

Fumed Silica	BET surface area [m <sup>2</sup> /g]	Loss on drying [wt.%]	pH value
SiSiB <sup>®</sup> FS0150	150 +/- 15	Max. 1.0%	3.6-4.3
SiSiB <sup>®</sup> FS0200	200 +/- 15	Max. 2.0%	3.6-4.3

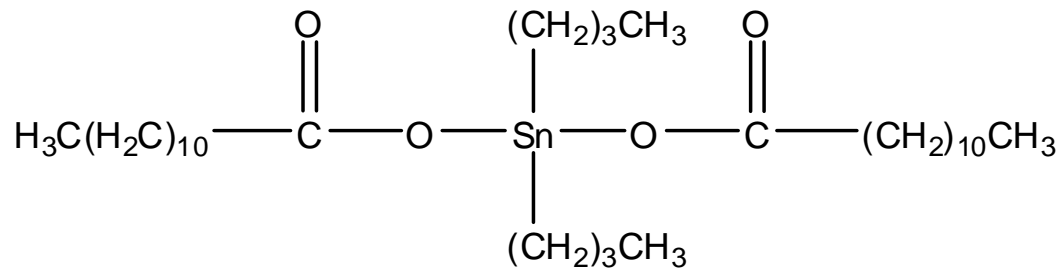
### SiSiB<sup>®</sup> PC9210 HMDZ

It can be used as hydrophobing agent for fumed silica.

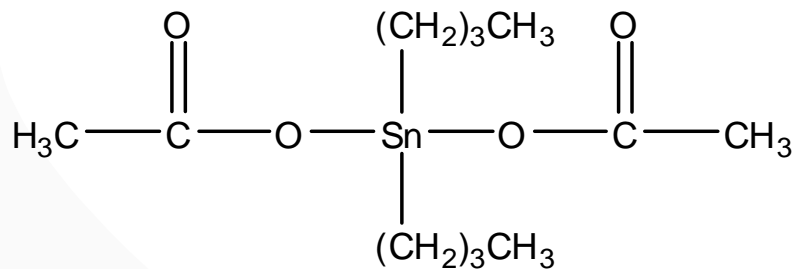


# SiSiB<sup>®</sup> SILICONES for RTV-1 Tin Catalyst

PowerCat<sup>™</sup> DBTDL, CAS 77-58-7, Dibutyltin Dilaurate



PowerCat<sup>™</sup> DBTDA, CAS 1067-33-0, Dibutyltin Diacetate



- PCC group is established in 1989.
- With over 26 years experience, now PCC/SiSiB is one of the leading professional silicone material producers.
- PCC have 7 joint ventures (factories) for silicone related. One major intermediates production site for upstream applications and six downstream production units.
- Annual capacity:
  - 30,000 tons organosilanes.
  - 15,000 tons silicone fluids.
  - 23,000 tons silicone rubbers.
  - 10,000 tons fumed silica.