

# Polymer Systems Technology Limited

UK & Ireland Distributor



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An ISO 9001 Certified Company

# CAT-07

**Silicone Catalyst**

## Product Profile

**Description**

- A tetramethyl-ammonium siloxanolate polymerization catalyst
- Clear to straw colored viscous liquid
- Can solidify with aging, however the catalytic activity is unaffected
- Can be deactivated by thermal decomposition at elevated temperatures; however this produces trimethyl amine and methanol

**Applications**

- As a polymerization catalyst to produce silicone polymers from various siloxane cyclics

Typical Properties	Result	Metric Conv.	ASTM	NT-TM
Appearance	Clear to Slightly Hazy	-	D2090	002
Viscosity	680 cP	680 mPas	D1084, D2196	001
Odor	Amine Odor	-	-	-

**Cautions**

CAT-07 is severely corrosive to eyes, skin, mucous membranes and other tissues. CAT-07 contains an extremely flammable hydrocarbon solvent and should be kept away from heat, open flames and other sources of ignition. Use only with adequate ventilation and appropriate protective clothing including chemical resistant gloves, safety goggles and face shields.

CAT-07 is an extremely strong base and will react violently with acid conditions. CAT-07 will corrode certain materials such as aluminum and compatibility should be tested with all materials that it contacts.

When considering the use of NuSil Technology products in a particular application, review the latest Material Safety Data Sheets for any questions about product safety information.

**Packaging**

1 Pint (450 g)

**Warranty**

6 Months

**Warnings About Product Safety**

NuSil Technology believes the information and the data contained herein are accurate and reliable. However, the user is responsible to determine the material's suitability and safety of use. NuSil Technology cannot know each application's specific requirements and hereby notifies the user that it has not tested or determined this material's suitability or safety for use in any application. The user is responsible to adequately test and determine the safety and suitability for their application and NuSil Technology makes no warranty concerning fitness for any use or purpose. NuSil Technology has completed no testing to establish safety of use in any medical application.

NuSil Technology has tested this material only to determine if the product meets the applicable specifications. (Please contact NuSil Technology for assistance and recommendations when establishing specifications.) When considering the use of NuSil Technology products in a particular application, review the latest Material Safety Data Sheet and contact NuSil Technology with any questions about product safety information.

Do not use any chemical in a food, drug, cosmetic, or medical application or process until having determined the safety and legality of the use. The user is responsible to meet the requirements of the U.S. Food and Drug Administration (FDA) and any other regulatory agencies. Before handling any other materials mentioned in the text, obtain available product safety information and take the necessary steps to ensure safety of use.

## **Specifications**

Do not use the typical properties shown in this technical profile as a basis for preparing specifications. Please contact NuSil Technology for assistance and recommendations in establishing particular specifications.

## **Patent Warning**

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## **Warranty Information**

NuSil Technology's warranty period is 6 months from the date of shipment when stored below 40°C in original unopened containers. Unless NuSil Technology provides a specific written warranty of fitness for a particular use, NuSil Technology's sole warranty is that the product will meet NuSil Technology's then current specification. NuSil Technology specifically disclaims any other expressed or implied warranty, including warranties of merchantability and fitness for use. The exclusive remedy and NuSil Technology's sole liability for breach of warranty is limited to refund of purchase price or replacement of any product shown to be other than as warranted. NuSil Technology expressly disclaims any liability for incidental or consequential damages.