TECHNICAL DATA SHEET

ALPA-KAT 10
Platinum catalyst in vinyl siloxane

Description

The ALPA KAT series promote a quick, low temperature curing of the hydrosilylation reaction. The catalysts are available as solution in vinyl terminated polydimethylsiloxane (SFA 42 series) in different concentrations.

They form silicone elastomers through an addition curing cross-linking reaction between Si-vinyl and Si-H groups.

Key Features

- Containing Karstedts's catalyst
- 10% Platinum
- Excellent reactivity
- No shrinkage during crosslinking

Key Applications

- Catalyst for addition curing formulations

Use and Cure Information

It is advised to determine the ratio of hydride to vinyl functional siloxane and the desired reaction component beforehand. Especially when using filled system, a hydride excess is needed.

Property	Test Method	Value
Product		
Color		**Brownish**
Non-Volatile Content (%)		**> 99**
Shelf Life		**12 mths**
Ultralow cyclic content		**Yes**
Vinyl content mmol/g		**0.5 mmol/g**
Uncured Product		
Cure Type		**Additon cure**
Viscosity	Brookfield HTBD, 23	**300 cP**
Cured Product		
Density	DIN 53479	**1 g/cm3**
Solubility		
Solubility - Water		**insoluble**

All materials of the HANSA SFA 4 series are stable at ambient temperature under the exclusion of water.

All components should be well mixed to ensure the material is uniform. For best results, we recommend degassing afterwards.

Great care must be taken when handling and mixing all addition cured silicone elastomer systems, ensuring that all the mixing tools are clean and constructed in materials which do not interfere with the curing mechanism. The cure of the rubber can be inhibited by the presence of compounds of nitrogen, sulphur, phosphorus and arsenic; organotin catalysts and PVC stabilizers; epoxy resin catalysts and even contact with materials containing certain of these substances e.g. moulding clays, sulphur vulcanised rubbers, condensation cure silicone rubbers, onion and garlic.

These substances may impair or even completely prevent the curing behavior of addition crosslinking silicones typically indicated by tacky surfaces. Therefore, it is important to check the compatibility in preliminary tests if unknown substrates are used.

Health & Safety

Please observe our safety data sheets and the safety remarks on our container labels when handling our products. The dangerous goods regulations and the accident prevention regulations of the professional associations must be particularly observed. Keep the EC safety data sheet of the applied product at hand since it provides you with useful instructions for the safe use and disposal of the product as well as for actions to be taken in case of accidents.

CHT Catalysts are available in a variety packaging. Please contact our customer service department for more information.

Revision Date	30 Apr 2021
Revision No	3
Download Date	12 Sep 2026

The content set out in the technical data sheet does not contain information upon which you should rely. It is provided for general information purposes only and does not constitute a product specification. You must obtain professional or specialist advice before taking any action based on the information provided in the technical data sheet.
CHT make reasonable efforts to ensure that information set out in the technical data sheet is complete, accurate, and up-to-date. CHT do not, however, make any representations, warranties or guarantees (whether express or implied) that information set out in the technical data sheet is complete, accurate, or up-to-date or that the product will be suitable for your requirements. You should carry out your own testing to determine the applicability of such information and whether the product will be suitable. CHT reserve the right to modify the technical data sheet at any time. The CHT technical service department is available to offer further information and advice and should it be needed to look at modifying current products or custom formulate a new one to meet your specific requirements. Please contact the technical service department.
CHT Germany GmbH: Postfach 12 80, 72002 Tübingen, Bismarckstraße 102, 72072 Tübingen, Germany
Telephone: 07071/154-0, Fax: 07071/154-290, Email: info@cht.com, Homepage: www.cht.com / www.cht-silicones.com