

PowerCat™ PT10000 Platinum Catalyst

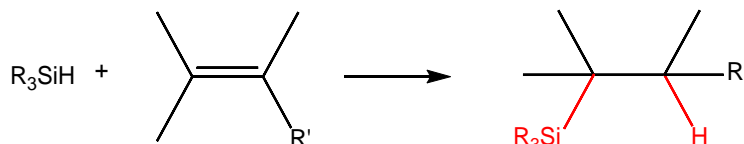
Introduction

PowerCat™ PT10000 is colorless to pale yellow liquid. It is a solution of platinum as a divinyltetramethyldisiloxane complex. It is high stability platinum formulation with low chroma and turbidity.

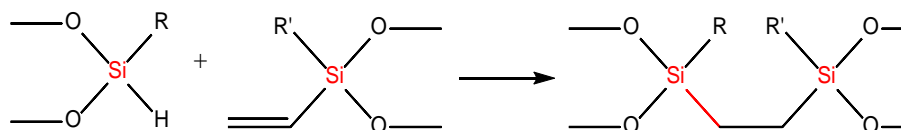
PowerCat™ PT10000 promotes the hydrosilylation reaction in addition cure systems at elevated temperature, with a long pot life at room temperature

Chemical Structure

Hydrosilation (or hydrosilylation) is the addition of an H-Si bond across a double bond:



This reaction is used in the silicones industry to form cross-links in silicone polymers.

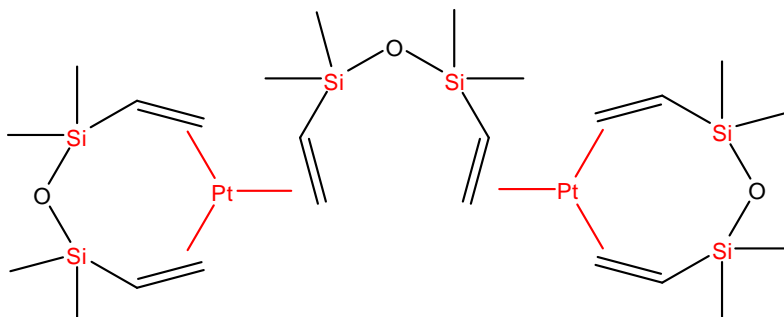


Platinum compounds are extremely active catalysts for hydrosilation. The catalyst is often used at such low levels that it is not separated from the product.

Platinum(II) compounds such as Karstedt catalyst are active without an induction period, providing advantage over chloroplatinic acid.

PowerCat™ PT10000 is a compound of platinum(0) and divinyltetramethyldisiloxane:

PowerCat™ PT10000 Platinum Catalyst



PowerCat™ PT10000 is supplied in solution for easy dosing and formulation. It is designed to give low turbidity on formulation.

Physical Properties

CAS No.	68478-92-2
EC No.	270-844-4
Color	Colorless to pale yellow
Appearance	Clear liquid
Platinum content	10000ppm

Benefits & Applications

PowerCat™ PT10000 is used as catalyst for addition curing crosslinking reaction between Si-Vinyl and SiH-groups.

PowerCat™ PT10000 promotes a quick, low temperature curing in the formation of silicone elastomers.

Handling & Storage

In accordance with good industrial practice, handle with care and avoid unnecessary personal contact. Avoid continuous or repetitive breathing of dust. Use only with adequate ventilation. Protect skin. Avoid dust formation and ignition sources.

This product may be stored up to four years in a sealed container. Containers should be stored in a cool, dry area. Extended storage at elevated temperatures or exposure to direct heat or sunlight could reduce product life. Keep containers sealed when not in use.

For more detailed information please refer to the material safety data sheet.

PowerCat™ PT10000 Platinum Catalyst

Packing

PowerCat™ PT10000 is supplied in 0.5Kg, 1Kg bottle and other packing on request.

Note

All information in the leaflet is based on our present knowledge and experience. We reserve the right to make any changes according to technological progress or further developments. Performance of the product described herein should be verified by testing.

We specifically disclaim any other express or implied warranty of fitness for a particular purpose or merchantability.

We disclaim liability for any incidental or consequential damages.