2% Platinum as Ashby's catalyst

Ashby's catalyst solution is a Pt(0) complex in tetramethyltetrahydroxyldicyclosiloxane. It is used for the addition curing cross-linking reaction between Si-vinyl and Si-H groups. The highly stable catalyst solution provides a long pot life with rapid curing at elevated temperatures.

Product name
Ashby’s catalyst solution 2% Pt in methyl vinyl cyclic siloxane

Chemical formula
Pt[(C₃H₆SiO)₄]ₓ

Product code*
US - C1098

* This product can be ordered worldwide under the US product code.

CAS Number
68585-32-0

Product family
Pgm compound solution (organic)

Process
Hydrosilylation

Market
Silicones

Literature references
US patent number 3,775,452. Karstedt et al.
US patent number 4,288,345. Ashby et al.

Benefits
• Platinum is in the zero oxidation state with no chlorides coordinated.
• Ashby’s catalyst promotes the hydrosilylation reaction in addition cure systems at elevated temperature, with a long pot life at room temperature
• Ashby’s catalyst is supplied in solution for easy dosing and formulation

Shipping & Handling
Keep solutions in tightly-sealed containers, ideally under an inert atmosphere.
Store at temperatures < 30°C.
Please refer to the relevant Safety Data Sheet for further information.

Form: solution
Platinum content: 1.9 - 2.4 % w/w
Colour: pale yellow