

Accelerator 553SN

Cobalt(II) 2-ethylhexanoate in solvent mixture

Accelerator 553SN is a solution of 1.9% metal complexes for curing unsaturated polyester resins in combination with organic peroxide at room and elevated temperatures. Typically recommended for pre-acceleration of vinyl ester resins to avoid foaming during cure when using standard MEKP.

CAS number
136-52-7

EINECS/ELINCS No.
205-250-6

TSCA status
listed on inventory

Specifications

Appearance	Clear black/blue liquid
Cobalt	1.8-2.0 %

Characteristics

Density, 20 °C	1.154 g/cm ³
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Applications

Accelerator 553SN is a solution of metal complexes, partly based on a cobalt salt in an organic solvent. Accelerator 553SN gives in comparison with the commonly used cobalt accelerator a much faster cure with comparable gel time. Accelerator 553SN is therefore very suitable where a faster demoulding time of the end product is required. Application areas are for instance: Gelcoat, RTM, production of polymer concrete. Accelerator 553SN can successfully be used for the production of cobalt pre-accelerated UP resins. The use of Accelerator 553SN will strongly reduce the gel time drift as observed with standard cobalt. Accelerator 553SN prevents foaming in VE resins with standard MEKP e.g. Butanox M-50.

Storage

Accelerator 553SN is stable at ambient temperatures.

Note	When stored under these recommended storage conditions, Accelerator 553SN will remain within the Nouryon specifications for a period of at least 6 months after delivery.
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Packaging and transport

The standard packaging is a 30-liter HDPE can (Nourytainer) for 25 kg content. Both packaging and transport meet the international regulations. For the availability of other packed quantities contact your Nouryon representative. Accelerator 553SN is not classified as a dangerous good according to national and international transport regulations.

Safety and handling

Keep containers tightly closed. Store and handle Accelerator 553SN in a dry well-ventilated area at ambient temperatures. Do not mix with organic peroxides. Please refer to the Safety Data Sheet (SDS) for further information on the safe storage, use and handling of Accelerator 553SN. This information should be thoroughly reviewed prior to acceptance of this product. The SDS is available at nouryon.com/sds-search.

All information concerning this product and/or suggestions for handling and use contained herein are offered in good faith and are believed to be reliable. Nouryon, however, makes no warranty as to accuracy and/or sufficiency of such information and/or suggestions, as to the product's merchantability or fitness for any particular purpose, or that any suggested use will not infringe any patent. Nouryon does not accept any liability whatsoever arising out of the use of or reliance on this information, or out of the use or the performance of the product. Nothing contained herein shall be construed as granting or extending any license under any patent. Customer must determine for himself, by preliminary tests or otherwise, the suitability of this product for his purposes. The information contained herein supersedes all previously issued information on the subject matter covered. The customer may forward, distribute, and/or photocopy this document only if unaltered and complete, including all of its headers and footers, and should refrain from any unauthorized use. Don't copy this document to a website.

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Contact Us

Polymer Catalysts Americas
polymer.amer@nouryon.com

Polymer Catalysts Europe, Middle East, India and Africa
polymer.emeia@nouryon.com

Polymer Catalysts Asia Pacific
polymer.apac@nouryon.com

The Nouryon logo consists of a stylized blue 'N' followed by the word 'ouryon' in a lowercase, sans-serif font.