

Accelerator NL-53N

Cobalt(II) 2-ethylhexanoate

Accelerator NL-53N is a solution of 10% cobalt in solvent mixture used for curing UP resins at ambient temperatures.

CAS number
136-52-7

EINECS/ELINCS No.
205-250-6

TSCA status
listed on inventory

Specifications

Appearance	Clear blue liquid
Cobalt	9.8-10.2 %

Characteristics

Density, 20 °C	0.990 g/cm ³
Viscosity, 20 °C	300 mPa.s

Applications

The curing of unsaturated polyester resins at ambient temperatures can in general not be performed by an organic peroxide alone. The radical formation, which is necessary to start the polymerization reaction, is at ambient temperatures with most generally applied organic peroxides too slow. To speed up the radical formation in a controllable way organic peroxides must therefore be used in combination with a so-called accelerator. For ketone peroxides like methyl ethyl ketone peroxides, cyclohexanone peroxides and acetylacetone peroxide a cobalt accelerator must be used.

Storage

Accelerator NL-53N is stable at ambient temperatures.

Note	When stored under these recommended storage conditions, Accelerator NL-53N will remain within the Nouryon specifications for a period of at least 9 months after delivery.
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Packaging and transport

The standard packaging is a 25 kg and 200 kg drum. Both packaging and transport meet the international regulations. For the availability of other packed quantities contact your Nouryon representative. Accelerator NL-53N is classified as Environmentally hazardous substance, liquid, n. o. s. ; UN 3082.

Safety and handling

Keep containers tightly closed. Store and handle Accelerator NL-53N 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 NL-53N. This information should be thoroughly reviewed prior to acceptance of this product. The SDS is available at nouryon.com/sds-search.

Major decomposition products

In a fire, cobalt oxides and carbon monoxide may be formed.

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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