

Accelerator NL-53

Cobalt(II) 2-ethylhexanoate

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-53 is stable at ambient temperatures.

Note

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

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-53 is classified as Environmentally hazardous substance, liquid, n. o. s. ; UN 3082.

Safety and handling

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

Major decomposition products

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

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