

# Accelerator C1ND

Cobalt neodecanoate, 1% Co, in solvent mixture

Cobalt neodecanoate 1% solution for curing unsaturated polyester resins. Cobalt neodecanoate has milder CRM classification and is therefore preferred over Cobalt octoate.

**CAS number**  
27253-31-2

**EINECS/ELINCS No.**  
248-373-0

**TSCA status**  
listed on inventory

## Specifications

Appearance	Clear blue violet liquid
Cobalt	0.95-1.05 %
Viscosity, 20 °C	7 mPa.s

## Characteristics

Density, 20 °C	0.942 g/cm <sup>3</sup>
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## 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.

## Storage

Accelerator C1ND is stable at ambient temperatures.

### Note

When stored under these recommended storage conditions, Accelerator C1ND will remain within the Nouryon specifications for a period of at least 6 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 C1ND 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 C1ND in a dry well-ventilated area at ambient temperatures. Do not mix with organic peroxides. Please refer to the Material Safety Data Sheet (MSDS) for further information on the safe storage, use and handling of Accelerator C1ND. This information should be thoroughly reviewed prior to acceptance of this product. The MSDS 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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