

# Promotor C

## Acetylacetone

Promotor C is a promoter for cobalt-accelerated cure systems using ketone peroxides at ambient and elevated temperatures.

CAS number  
123-54-6

EINECS/ELINCS No.  
204-634-0

TSCA status  
listed on inventory

### Specifications

Appearance	Clear liquid
Assay	≥ 99.0 %
Color	≤ 100 Pt-Co
Viscosity, 20°C	1 mPa.s

### Characteristics

Boiling point	139 °C
Density, 20°C	0.976 g/cm <sup>3</sup>
Melting point	-23.2 °C

### Applications

Promotor C, acetylacetone or 2,4-pentanedione, is a promoter for ketone peroxide/cobalt accelerator based cure systems for the ambient and elevated temperature cure of unsaturated polyester resins. Promotor C when used in combination with e.g. Butanox® M-50/ Accelerator NL-49PN will shorten the gel time and will increase the cure speed, which results in a shorter demoulding time. Promotor C can in this respect be used as an alternative for aromatic amines like Accelerator NL-63-10P. Promotor C will not give a yellow discoloration of the endproduct as observed with the use of an amine accelerator. Promotor C can very effectively be used at elevated temperatures to increase the reactivity of perester/cobalt accelerator based cure systems like Trigonox® 21, Trigonox® 42 or Trigonox® C in combination with Accelerator NL-49PN (1% Cobalt) or Accelerator NL-51PN (6% Cobalt).

### Storage

Promotor C is stable at ambient temperatures.

#### Note

When stored under the recommended storage conditions, Promotor C will remain within the Nouryon specifications for a period of at least 9 months after delivery.

### Packaging and transport

The standard packaging is a 30 l HDPE can (Nourytainer®) of 25 kg net weight. Both packaging and transport meet the international regulations. For the availability of other packed quantities contact your Nouryon representative. Promotor C is classified as a non-dangerous good according to national and international transport regulations.

## Safety and handling

Keep containers tightly closed. Store and handle Promotor C 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 Promotor C. This information should be thoroughly reviewed prior to acceptance of this product. The SDS is available at [nouryon.com/sds-search](http://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.

Butanox, Trigonox and Nourytainer are registered trademarks of Nouryon Functional Chemicals B.V. or affiliates.

## Contact Us

**Polymer Specialties Americas**  
[polymer.amer@nouryon.com](mailto:polymer.amer@nouryon.com)

**Polymer Specialties Europe, Middle East, India and Africa**  
[polymer.emeia@nouryon.com](mailto:polymer.emeia@nouryon.com)

**Polymer Specialties Asia Pacific**  
[polymer.apac@nouryon.com](mailto:polymer.apac@nouryon.com)

The Nouryon logo consists of a stylized blue 'N' followed by the word 'ouryon' in a lowercase, sans-serif font. The 'N' is significantly larger and more prominent than the rest of the text.