

Technical Information

NCS ULTRACURE AC 4

NDS0911/624

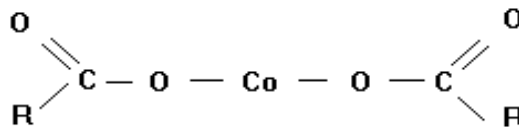
LOW COLOUR FAST CURE MIXED ACCELERATOR FOR POLYESTER RESINS

DESCRIPTION

NCS Ultracure AC 4 has been specially formulated for use in Unsaturated Polyester resins and gelcoats to achieve shorter gel times with Methyl Ethyl Ketone Peroxide catalysts.

This is a mixed metal general purpose accelerator, which will cold cure polyester resin in conjunction with either Butanox M50 or Cyclonox L. Especially suitable for clear casting resins and gelcoats where a good cured colour is required. This accelerator imparts negligible colour to both resin solution and cured resin.

Contains Cobalt Octoate as well as other metals



**Cobalt(II) 2-Ethylhexanoate
(Cobalt Octoate)**

FEATURES	BENEFITS
Specially designed with suitable solvent.	For ease of dispersion
Low Concentration	Small dosages can be easily measured.
Mixed Metal	Faster Cure
Low Cobalt Content	Excellent cured colour

The information herein is to assist customers in determining whether our products are suitable for their applications. Our products are intended for sale to industrial and commercial customers. We request that customers inspect and test our products before use and satisfy themselves as to contents and suitability. Nothing herein shall constitute any other warranty expressed or implied, including any warranty of merchantability or fitness, nor is protection from any law or patent to be inferred. All patent rights are reserved. The exclusive remedy for all proven claims is replacement of our materials, and in no event shall we be liable for special, incidental, or consequential damages. Our standard conditions of contract will apply to all sales

**TYPICAL
LIQUID PROPERTIES**

PROPERTY	SPECIFICATION	NCS TEST METHOD
Liquid Appearance	Purple Liquid	2
Cobalt metal content, % (typical)	0.42	111
Stability, months	3 minimum	4.1

APPLICATION

The recommended dosage based on polyester resins and gelcoats is up to 4.0 phr*. It should be noted that NCS ULTRACURE AC 4 should be stirred into the polyester resin or gelcoat prior to the addition of catalyst. For Button resins it is recommended that NCS Ultracure AC 13 (Methanol carrier) or NCS Ultracure AC 13E (Di Butyl Phthalate carrier) be used to avoid a greenish cured colour.

***phr - parts per hundred resin, by mass**

**STORAGE
AND
HANDLING**

To ensure maximum stability and maintain optimum properties, polyester resin should be stored in closed containers, maintained below 25°C and away from heat sources and sunlight. All storage should conform to local fire and building codes. Drum stock should be kept to a reasonable minimum with first-in, first-out stock rotation.

Where bung-in-head containers are stored outside, it is recommended that these be stored in a horizontal position to avoid the ingress of water.

**STANDARD
PACKAGE**

Non-returnable metal drums.
Bulk supplies can be delivered by road tanker.

**MATERIAL SAFETY
DATA SHEET**

A Material Safety Data Sheet is available from your NCS Resins' representative. Make certain that you obtain a copy of this guide to the safe handling of unsaturated polyester resins and resin systems.

**PLEASE READ AND UNDERSTAND THE MATERIAL SAFETY
DATA SHEET BEFORE WORKING WITH THIS PRODUCT**

WARNING: CARE MUST BE TAKEN TO AVOID DIRECT MIXING OF ANY ORGANIC PEROXIDE (CATALYST) WITH METAL SOAPS, AMINE OR ANY OTHER POLYMERISATION ACCELERATOR OR PROMOTER, AS VIOLENT DECOMPOSITION WILL RESULT!

NCS RESINS BRANCHES AT:

JOHANNESBURG / DURBAN / CAPE TOWN / PORT ELIZABETH