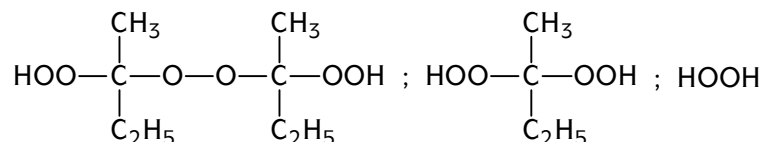


## Cadox® L-50a

### Product description

Methyl ethyl ketone peroxide solution in plasticizer



### Characteristics

Active oxygen content	8.9 %
Viscosity @ 25 °C (77 °F)	15 cp Brookfield LVT, UL adapter, spindle 1, 6 rpm
Specific gravity @ 20 °C (68 °F)	1.0
Appearance	clear liquid*
Solubility	soluble in most organic solvents; insoluble in water.

\*Cadox L-50a is also available as a red liquid

### Applications

Cadox L-50a is an ideal catalyst for the room temperature cure of gel coats and promoted unsaturated polyester resins. Cadox L-50a has a low hydrogen peroxide content which reduces gel coat porosity and provides improved curing of vinyl ester resins. Cadox L-50a also has a high MEKP dimer content which may provide better final cure in some resin systems. Additional end-use information is available in Akzo Nobel's application brochures.

### Packaging and shipping

Cadox L-50a is packaged in non-returnable, 1 gallon polyethylene containers of 8 lb net weight (4 per case) and in 5 gallon polyethylene containers of 40 lb net weight.

Department of Transportation Shipping Description:

Organic peroxide type E, liquid  
(Methyl ethyl ketone peroxide, ≤ 40 %)  
5.2, UN3107, PG II.

### Storage

Due to the relatively unstable nature of organic peroxides a loss of quality may occur over a period of time upon improper storage. To minimize any loss in quality, Akzo Nobel recommends a maximum storage temperature ( $T_s$ ) for each organic peroxide product.

For Cadox L-50a  $T_s \leq 30 \text{ °C (86 °F)}$

When stored under these recommended conditions, *Cadox* L-50a will remain within the Akzo Nobel specifications for a period of at least three months after delivery.

**Safety and handling**

A material safety data sheet (MSDS) is available for this product which provides detailed information on safe storage and handling. This information should be thoroughly reviewed prior to acceptance of this product.

**Thermal stability**

Organic peroxides are thermally unstable substances which may undergo exothermic self-accelerating decomposition. The lowest temperature at which self-accelerating decomposition of a substance in its original packaging may occur is the SADT.

For *Cadox* L-50a SADT  $\geq 60$  °C (140 °F)

**Hazardous reactions**

Decomposes violently under the influence of heat or by contact with reducing agents. **Never mix directly with accelerators or promoters.**

**Major decomposition products**

Carbon dioxide, water, acetic acid, formic acid, propionic acid, methyl ethyl ketone.

**Related products**

*Cadox* D-50, *Cadox* L-30a, *Cadox* M-50a, *Cadox* M-30a, *Trigonox*<sup>®</sup> 44B, *Trigonox* 61a, *Trigonox* 63a, *Trigonox* 178, *Trigonox* 263.

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