Cadox L-30A VR

Methyl ethyl ketone peroxide

Cadox® L-30A VR is a special purpose catalyst (including vanishing red cure indicator) used for curing tooling gel coats and promoted unsaturated polyester resins in warmer climates. Low-hydrogen peroxide content reduces gel-coat porosity and provides improved curing of vinylester resins.

CAS number
1338-23-4

EINECS/ELINCS No.
215-661-2

TSCA status
listed on inventory

Specifications

Appearance, 20-25°C	Red liquid
Total active oxygen	5.3 %

Characteristics

Specific gravity, 20°C	1.0
Viscosity, 25°C	15 cP (Brookfield LVT, UL adapter, spindle 1.6 rpm) mPa.s

Applications

Cadox L-30A VR can be used in place of Cadox L-50A or Cadox L-50A VR wherever a more dilute solution of methyl ethyl ketone peroxide (MEKP) is desired. Cadox L-30A VR is a special purpose 'summer catalyst' for use in warmer shop environments. Cadox L-30A VR offers all the advantages of a red MEKP, except red parts. The VR series of products includes a red indicator system that virtually disappears during cure. The red is there when you need it, but not in the finished product. Visualize Hot & Cold Spots, Shrinkage Problems, Mass Effects, Thermal Effects of Core Materials and Dead Flow Zones in applications like Vacuum Infusion. Key features are: indicates initiator presence, monitor mixing, monitor cure by color and no more RED parts.

Thermal stability

Organic peroxides are thermally unstable substances, which may undergo self-accelerating decomposition. The lowest temperature at which self-accelerating decomposition of a substance in the original packaging may occur is the Self-Accelerating Decomposition Temperature (SADT). The SADT is determined on the basis of the Heat Accumulation Storage Test.

SADT	60°C (140°F)
Method	The Heat Accumulation Storage Test is a recognized test method for the determination of the SADT of organic peroxides (see Recommendations on the Transport of Dangerous Goods, Manual of Tests and Criteria - United Nations, New York and Geneva).

Storage

Due to the relatively unstable nature of organic peroxides a loss of quality can be detected over a period of time. To minimize the loss of quality, Nouryon recommends a maximum storage temperature (Ts max.) for each organic peroxide product.

Ts max.	30°C (86°F)
Note	When stored under these recommended storage conditions, Cadox® L-30A VR will remain within the Nouryon specifications for a period of at least 6 months from date of manufacture.

Packaging and transport

Cadox® L-30A VR is packed in non-returnable, 1 gallon polyethylene containers of 7 lb net weight (4 per case). Both packaging and transport meet the international regulations. For the availability of other packed quantities contact your Nouryon representative. Cadox® L-30A VR is classified as Organic peroxide type E; liquid; Division 5. 2; UN 3107; PG II. This product contains a component that is classified as Toxic for Reproduction, Category 1B under the Globally Harmonized System of Classification and Labelling of Chemicals (GHS). Nouryon ensures that it consistently manages hazardous substances to ensure safe use. To that end, a full risk assessment of this product has been conducted under Nouryon's Priority Substance Program and safe use has been demonstrated throughout the supply chain.

Safety and handling

Keep containers tightly closed. Store and handle Cadox® L-30A VR in a dry well-ventilated place away from sources of heat or ignition and direct sunlight. Never weigh out in the storage room. Avoid contact with reducing agents (e. g. amines), acids, alkalis and heavy metal compounds (e. g. accelerators, driers and metal soaps). Please refer to the Safety Data Sheet (SDS) for further information on the safe storage, use and handling of Cadox® L-30A VR. This information should be thoroughly reviewed prior to acceptance of this product. The SDS is available at nouryon.com/sds-search.

Major decomposition products

Carbon dioxide, Water, Acetic acid, Formic acid, Propionic acid, Methyl ethyl ketone

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