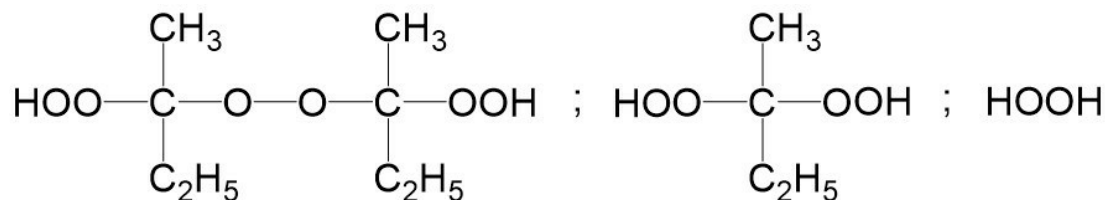


Butanox M-50A

Methyl ethyl ketone peroxide



Butanox® M-50A is a methyl ethyl ketone peroxide without phthalate plasticizers, with moderate reactivity and low moisture content. Used in conjunction with cobalt promoter for curing unsaturated polyester resin at room temperature or elevated temperature.

CAS number
1338-23-4

EINECS/ELINCS No.
215-661-2

TSCA status
listed on inventory

Specifications

Appearance, 20-25 °C	Transparent liquid
Total reactive oxygen species	8.8-9.0 %

Characteristics

Density, 20 °C	1.0 g/cm ³
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Applications

Butanox® M-50A is a versatile methyl ethyl ketone peroxide used for the curing of unsaturated polyester resin at room temperature along with a cobalt accelerator. It can also be used for thermal curing of unsaturated polyester resin under conditions of 100-127 ° C. Butanox® M-50A has a high content of methyl ethyl ketone peroxide monomer, which provides the resin with a short gel time.

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	65°C
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	25°C
Note	When stored under recommended conditions, Butanox® M-50A will remain within the Norion product specifications for at least 6 months after delivery.

Packaging and transport

The standard packaging is 30 liters of HDPE (Nourycontainer[®]) 30 kilograms of peroxide solution in barrels. The products supplied in the Asia Pacific region are 30 liters of HDPE packed with 20 kg of peroxide solution. Packaging and transportation comply with international regulations. Regarding the availability of other quantitative packaging, please contact a Nouryon sales representative. Butanox[®] M-50A belongs to Class D organic peroxide; Liquid, Grade 5.2; UN 3105.

Safety and handling

Keep the container tightly closed. Store and operate Butanox in a dry and well ventilated area[®] M-50A, keep away from heat or ignition sources and avoid direct sunlight. It is prohibited to weigh and pack in the storage room. Avoid contact with reducing agents (such as amines), acids, bases, and heavy metal compounds (such as accelerators, desiccants, and metal soaps). About Butanox[®] For detailed information on the safe storage, use, and operation of M-50A, please refer to the Safety Data Sheet (SDS). Before accepting this product, you should carefully read the relevant safety information on SDS. SDS can be obtained from the following sources Nouryon.com/sds search.

Major decomposition products

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

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.

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The logo for Nouryon, featuring a stylized blue 'N' followed by the word 'ouryon' in a blue sans-serif font.