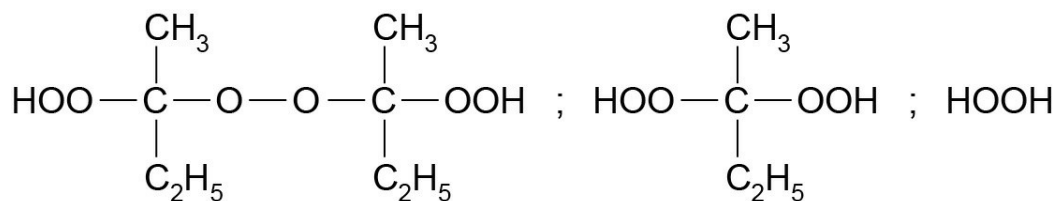


Brasnox DM-50 RED

Methyl ethyl ethyl ketone in dimethyl phthalate



Brasnox DM-50 RED is a methyl ethyl peroxide and dimethyl phthalate indicated for curing unsaturated polyester resin and vinyl ester.

CAS number
1338-23-4

EINECS/ELINCS No.
215-661-2

TSCA status
listed on inventory

Specifications

Active oxygen	8.80-9.00 %
Appearance	Clear red liquid

Characteristics

Density, 25 °C	1.14 – 1.18 g/cm ³
Water content	≤ 3.00 %

Applications

Brasnox DM-50 RED is a polymerization initiator in unsaturated polyester and vinyl ester resins at room temperature. Applications in hand lay-up, spray-up, continuous lamination of tiles, filament winding and closed molding, can be used for the application of gelcoats and plastic putty.

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
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
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Note	When stored under the recommended storage conditions, Brasnox DM-50 RED will remain within the Nouryon specifications for a period of at least 6 months after delivery.
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Packaging and transport

The standard packaging is an HDPE container for a 25 kg peroxide solution. Packaging and transport meet international regulations. For availability of other packaged quantities, contact your Nouryon representative. Brasnox DM-50 RED is classified as type D organic peroxide; liquid; Division 5.2; UN 3105.

Major decomposition products

Carbon dioxide, Water, Acetic acid, Formic acid, Propanoic 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 Nouryon logo consists of a stylized orange 'N' followed by the word 'ouryon' in a lowercase, orange, sans-serif font.