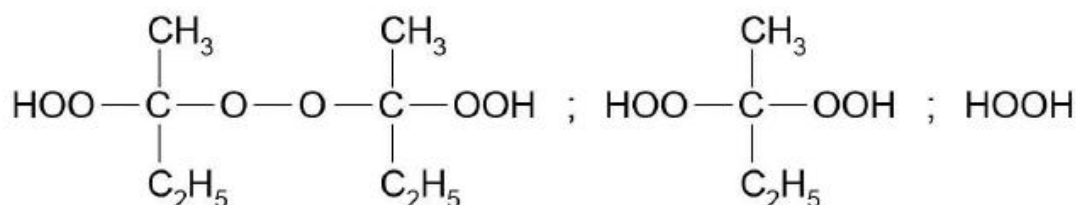


MEKP Hardener DD-MP1

Methyl ethyl ketone peroxide (MEKP)



Medium-reactive, general-purpose methyl ethyl ketone peroxide (MEKP) with guaranteed low water content, which is used for curing unsaturated polyester resins in the presence of a cobalt accelerator at room and elevated temperatures.

Specifications

Appearance	Clear colorless liquid
Total Active Oxygen	8,8-9,0 %.

Features

Density, 20°C	1,180 g/cm ³
Viscosity, 20°C	24 mPa.s

Applications

DD-MP1 is a general-purpose methyl ethyl ketone peroxide (MEKP) for the curing of unsaturated polyester resins in the presence of a cobalt accelerator at room and elevated temperatures. The DD-MP1 curing system is particularly suitable for curing gelcoat resins, laminating resins, varnishes and castings; in addition, in contrast to the benzoyl peroxide/amine accelerator curing system, the production of light-resistant parts may be possible.

Thermal stability

Organic peroxides are thermally unstable substances that can undergo self-accelerating decomposition. The lowest temperature at which self-accelerating decomposition of a substance in the original packaging can occur is the Self-Accelerating Decomposition Temperature (SADT). The SADT is determined on the basis of the heat accumulation storage test.

SADT 60°C

Methods:

The Heat Accumulation Storage Test is a recognized test method for the determination of 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 observed over 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: If DD-MP1 is stored under the recommended storage conditions, it will remain within specifications for at least 6 months after delivery.

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Safety and handling

Keep containers tightly closed. Store and handle DD-MP1 in a dry, well-ventilated place, away from heat or ignition sources and direct sunlight. Never weigh in the storage room. Avoid contact with reducing agents (e.g. amines), acids, alkalis and heavy metal compounds (e.g. accelerators, dryers and metal soaps). For more information on the safe storage, use and handling of DD-MP1, please refer to the Safety Data Sheet (MSDS). This information should be carefully considered before accepting this product. The safety data sheet is available at <https://www.phd-24.de>.

Carbon

dioxide, water, acetic acid, formic acid, propanoic acid, methyl ethyl ketone

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