

MEKP — Liquid Catalyst

LIQUID

A liquid methyl ethyl ketone peroxide catalyst for curing polyester and vinyl ester resins — the standard initiator for fibreglass / GRP laminating.

TECHNICAL DATA

- Chemical: Methyl Ethyl Ketone Peroxide (MEKP), in a phthalate solution to reduce shock sensitivity
- Empirical formula $C_8H_{18}O_6$ · Molecular weight 210.2 g/mol · CAS 1338-23-4
- Total active oxygen: 8.8–9.0%
- Appearance: clear, colourless liquid · Odour: typical
- Density @20°C: 1.180 g/cm³
- Water content: 3.0% max
- SADT: 60°C
- Recommended storage temperature: 5–25°C
- Shelf life: 6 months under recommended storage conditions

USE & APPLICATIONS

- A standard reaction medium among organic peroxides; radical polymerization initiator and curing agent for vinyl, acrylic, styrene and unsaturated polyester / vinyl ester resins, used with an accelerator (usually cobalt)
- Cures unsaturated polyester resins at room temperature or above; suited to work needing a longer handling time before gel
- Test on the actual compound before use
- Application areas: adhesives, paints, glass-reinforced plastics (GRP), fibreglass process, marine, industrial processes

PACKAGING

Polyethylene jerricans, 25 kg.

SAFETY & STORAGE

- Store unopened, undamaged containers in a dry, well-ventilated place, out of direct sunlight
- Keep away from fire, heat and ignition sources; never weigh it inside the storage room; keep sealed
- Avoid contact with reducing agents (amines), acids, alkalis and heavy-metal compounds (accelerators, driers, metal soaps)
- Store 5–25°C; rotate stock FIFO; never store with food or beverages

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This data sheet is for general guidance only and does not replace the current Safety Data Sheet (SDS). Contact us for the current SDS before first use.