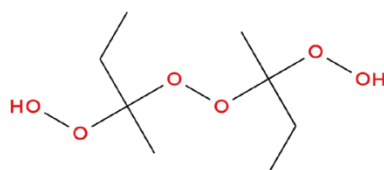


HYPE ME-110

Methyl ethyl ketone peroxide | Reactive Solution
CAS# 1338-23-4 | Mol Weight : 210.2

TECHNICAL DATA SHEET



Description

HYPE ME-110 is a colourless solution, in Di-methyl phthalate/TXIB, used as initiator source (free radical) for unsaturated polyester, good curing performance with low and average temperature scenarios. It can be supplied as a mixture with compatible solvent, depending on the process application. Usually, as a system along with Co accelerator, application dependent.

Technical Data

Appearance	Colourless Liquid
Active Oxygen (% w/w)	9.8-10.2%
Tert-butyl hydroperoxide (%w/w)	3.1-3.5%
Viscosity (cP, 25°C)	20 cP
Density g/cm ³ (25°C)	1.10

Applications

- Industry veteran for unsaturated polyester resin and gel coat curing at room temperature.
- Suited for application that require slightly higher exotherm, faster gel and initial cure times.
- Used for curing laminates > 10mm while avoiding higher peak exotherm. Works well for thin lamination as well.
- Low hydrogen peroxide leading to reduced porosity in gel coats and better curing of vinyl ester resins.

Thermal Stability

Organic Peroxides, by nature are thermally unstable requiring suitable storage conditions for quality and performance management. Self-Accelerating Thermal Decomposition (SADT) is the lowest temperature at which the substance will actively decompose due to heat accumulation.

Storage should be done at recommended temperature to reduce loss of quality over-time. We suggest a recommended storage temperature T_s

Storage Temperature (T_s)	05-30 °C
SADT	~60°C

Decomposition Products include carbon dioxide, water, acetic acid, formic acid, propionic acid, methyl ethyl ketone etc.

Packaging

Supplied in 30 Litres cans for 25 Kg mixture, as standard. Different sizes are available depending on customer application size and requirement.

Safety and Handling

Do not add accelerator directly in the initiator solution, decomposes fast depleting the actual application functionality.

Storage should be planned away from sources of heat, ignition and shock prone areas. Containers are to be kept tightly closed. Do not weigh in storage room, always weigh outside of storage area. Avoid contact with reducing agent, acids, alkalis and metals compounds like driers, accelerators etc.

Please refer to HYPE ME-110 MSDS for further information on safe usage and storage.



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Any information provided in Technical Data Sheet is meant in good faith only. It does not guarantee/qualifies all different scenarios that arise in actual application conditions. We develop products in close cooperation with end users to enhance process outcomes. This document is intended to convey information about products but does not guarantee information in totality. Legal compliance for product usage at their respective jurisdiction is under customer's purview, Beyond Possible would not be held responsible for any liabilities resulting from end use inadequacies.

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