BLLUE TEK
Accelerating the future

Technical Data Specification (TDS)

MEKP -

- for unsaturated polyester resins

MEKP is a hardener for curing unsaturated polyester resin at ambient temperature.

Features & Benefits:

- Universally usable for unsaturated polyester resins from product line other polyester resins do need tests beforehand!
- Medium reactivity, give consist performance at room temperature with co
- Usable for gel-/ topcoats and laminating resins
- Applicable for hand lay-up, spray-up RTM, continuous laminating and filament winding

Product Properties:

Chemical base	methyl ethyl ketone peroxide
Colour	without colour
Mixing ratios	Up to 1.5 parts MEKP on 100 parts polyester
Storage Temperature (recommended)	15-25 °C (59 - 77°F)

Product Specifications:

Active oxygen content	8.5-9	%	
Free hydrogen peroxide content	<1	%	
Flash point	> 80 / 176	°C/ °F	
Viscosity *(at 20°c / 68°F)*	**20-22**	mPas	
Water Content	**<0.1**	%	

Information presented herein has been compiled from sources considered to be dependable and is accurate and reliable to the best of our knowledge and belief but is not guaranteed to be so.
It is the user's responsibility to determine for himself the suitability of any material for a specific purpose and to adopt such safety precautions as may be necessary. We make no warranty as to the results to be obtained in using any material and, since conditions of use are not under our control, we must necessarily disclaim all liability with respect to the use of any material supplied by us.

We recommend tests be performed for trials and suitability for the particular type of application. With the newest printing of this data sheet the previous version loose validity!

BLLUE TEK
Accelerating the future

Technical Data Specification (TDS)

Safety instructions:



DANGER
Heating may cause an explosion.
Causes severe skin burns and eye damage.
Repeated exposure may cause skin dryness or cracking.
Harmful by inhalation and if swallowed.
Causes serious eye irritation.
Harmful if inhaled.
May cause drowsiness or dizziness.

Further information:
The safety instructions are to be taken as being of greatest importance.
Do not allow children to handle. Prevent inhalation of the fumes and contact with the bare skin.
Wear approved protective gloves and goggles. If ingested do not eat, drink or smoke.
MEKP contains ingredients which could be harmful if mishandled.
Only mix the components in the recommended proportions in accordance with the instructions.

Application Instructions:

For using with unsaturated, pre-accelerated polyester resins
Generally hardening of other polyester resins recommend tests beforehand.
The system should only be used in the optimum temperature conditions. The relative air humidity should not be above 90%.
In respect of the safety instructions the resin and hardener should mixed in a suitable mixing vessel in accordance with characteristics given in the data sheet.
Deviating from the mixing recommendations can lead to incomplete hardening and through that loss of performance.
Ensure that the edges are well mixed using a stirring stick or a propeller type mixer. Localized signs of hardening indicate insufficient stirring and mixing of the components. Mixing of larger amounts (more than 100g) and higher temperatures (higher than 25°C) reduces the pot life time.

Cleaning work tools:
Unhardened product remains can be removed from tools by means of acetone.

Storage:
Threaded container tops should be kept free of material remains. Do not exchange tops/lids. Store dry and cool (recommended <=25°C).

Shelf life:
90 DAYS from the date of manufacture

Disposal:

Do not dispose of through the sewerage system, on areas of open water, or in the soil. Non-hardened remains of the product should be disposed of as hazardous waste.

Further Information:
Further application information can be obtained by contacting us.
Please do not hesitate to contact us by telephone if you have further queries.