

# Metroflex Powdered Catalyst

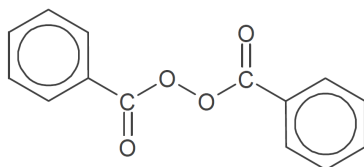
Diacyl peroxides / Curing



## Description

Dibenzoylperoxide  
50%, Powder in dicyclohexyl phthalate

Metroflex Powdered Catalyst is used for the curing of unsaturated polyester resins and acrylic resins at ambient and elevated temperatures.



Molecular weight: **242.2**  
CAS No.: **94-36-0**

## Technical data

Appearance: **white powder**  
Peroxide assay: **appx. 50%**  
Active oxygen assay: **appx. 3.3%**  
Bulk density at 20°C: **610 kg/m<sup>3</sup>**

## Solubility

Insoluble in water

## Storage

Maximum storage temperature (Ts max): **30°C**  
Storage stability as from date of delivery: **6 months**

## Hazardous reactions

Keep packaging tightly closed in a well ventilated place at indicated storage temperature. Keep away from reducing agents e.g. amines, acids, alkalis, heavy metal compounds (e.g. accelerators, driers, metal soaps). Never weigh out in storage room.

Oxidizing agent. Decomposes violently under the influence of heat or by contact with reducing agent. Never mix with accelerators.

## Safety characteristics

SADT: **60°C**

The SADT (Self Accelerating Decomposition Temperature) is the lowest temperature at which a self accelerating decomposition may occur.

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## Application

Metroflex Powdered Catalyst is used for the curing of unsaturated polyester resins and acrylic resins at ambient and elevated temperatures. At temperatures up to 80°C, Metroflex Powdered Catalyst should be used in combination with a tertiary amine accelerator, above 80°C the use of an accelerator is not required.

Metroflex Powdered Catalyst is easy to handle, easy to disperse and dissolves quickly in unsaturated polyester resins and acrylic resins.

The curing system Metroflex Powdered Catalyst in combination with an amine accelerator shows a very fast cure that is hardly influenced by humidity and fillers. Even at low temperatures a relatively good cure will be obtained. A disadvantage may be the yellow colour and poor light resistance of the moulded product.

For ambient temperature curing there are amine accelerators available to adjust the gel time and speed of cure of the cure system based on Metroflex Powdered Catalyst:

contact CFSNET Ltd for more information.

## Major decomposition products

**Benzoic acid, Benzene, diphenyl, Carbon dioxide, phenyl benzoate**

## Safety and handling

Please refer to the material safety data sheet (MSDS) for information concerning safe storage, use and handling of Metroflex Powdered Catalyst. This information should be thoroughly reviewed prior to acceptance of this product. The MSDS is available for downloading at [www.cfsnet.co.uk](http://www.cfsnet.co.uk) or through contacting CFSNET Ltd directly.

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