

Technical data

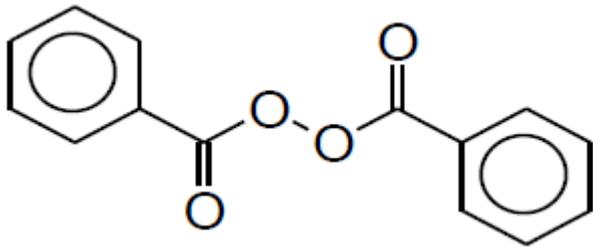
BETOX-50PC HARDENER

DESCRIPTION

Dibenzoylperoxide desensitized in diisobutyl phthalate.

Betox-50PC is a hardener for curing of unsaturated polyester resins at ambient and elevated temperatures. At temperature below 80°C it is used for hardening resins containing amine accelerator. Above 80°C the application of an accelerator is not required. It is recommended as hardener for polyester putties, polymeric concrete and highly filled systems.

CHEMICAL FORMULA



APPEARANCE

Red Paste

PEROXIDE CONTENT

49-51%

SOLVENT

26-28% - Diisobutyl phthalate

OTHER COMPONENTS

22-24% - Water and others.

TOTAL ACTIVE OXYGEN

3,2-3,4%

SOLUBILITY

Ethylene acetate (partially soluble).

SADT

50°C

WARNING

Oxidizing agent. Decomposes violently under the influence of heat, different kinds of impurities or by contact with reducing agents. Never mix with accelerator.

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MAJOR DECOMPOSITION PRODUCTS

Carbon dioxide, benzoic acid, benzene, biphenyl, phenyl benzoate.

TOXICOLOGICAL DATA

LD50>5g/kg. Biodegradable when diluted.

DENSITY

Specific Gravity of approximately 1.75

PERSONAL PRECAUTION

Sufficient ventilation, safety goggles and gloves.

GENERAL HANDLING INSTRUCTIONS

Use only clean equipment and tools of inert material, such as stainless steel, polyethylene, polypropylene or glass. All equipment should be earthed. Avoid contact with rust

STORAGE CONDITIONS

Each container has to be tightly closed. **Containers have to be stored in a well-ventilated room, where temperature +30°C cannot be exceeding.** Do not store with reducing agents: amines, acids, alkalis, heavy metal compounds (accelerators, soaps, drying agents). **Never store with amine accelerators.** Do not weight out in a storage room.

STABILITY

Six months under these recommended storage conditions.

FIRE FIGHTING

Extinguish fire with powder or carbon dioxide and finally with water.

ENVIRONMENTAL CONTAMINATIONS

Rinse contaminated places with water and clean sand. Sponge up spilled inert material into the container. Destroy a small amount of waste according to local regulations.

SKIN CONTACT

Remove contaminated clothes. Rinse skin with plenty of water. Seek medical advice.

EYE CONTACT

Rinse with plenty of water. Apply 10% solution of sodium bicarbonate and seek medical advice.

INGESTION

Rinse mouth. Take some water to drink and seek medical advice.

WASTE DISPOSAL

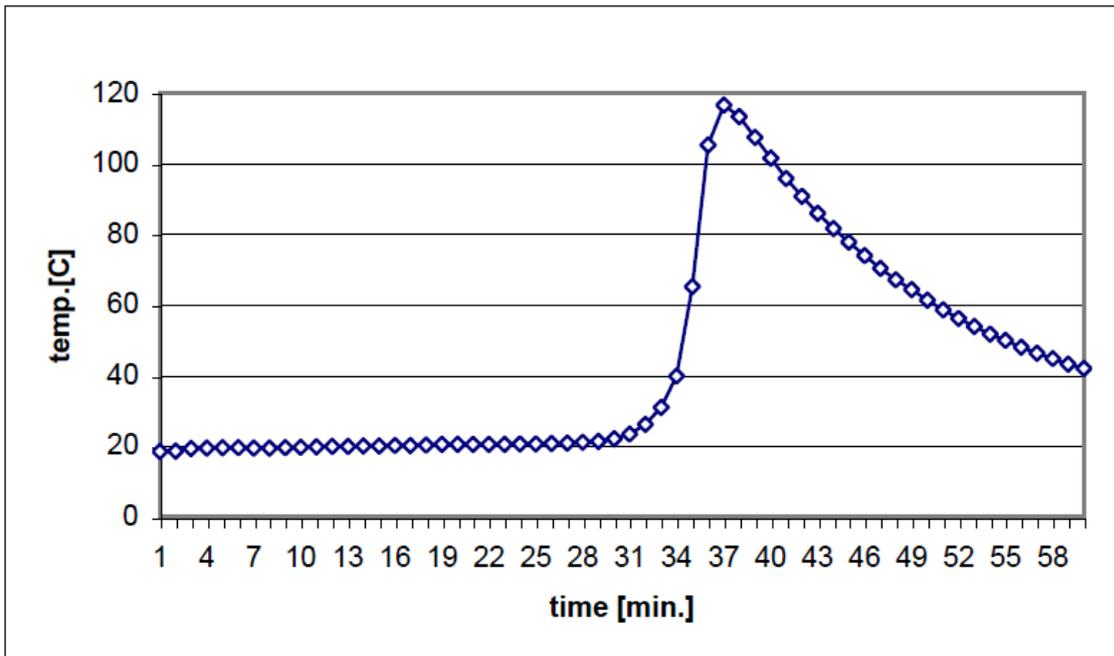
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Can be incinerated or chemically destroyed. Burn only a small amount of waste. Neutralize with 10% solution of sodium hydroxide during continuous mixing.

DISCLAIMER

Dewey Waters limited will not accept any and all liability for misuse of product or where the user does not wear the recommended personal protective equipment when in contact or using aforementioned product. This data sheet is liable to change at any time without notice.

Profile of copolymerization has been determined for polyester resin Polimal-109-39 (30g) containing DMA (0,1phr*)- Betox-50PC (3phr).



*1phr=

part per hundred grams of resin.