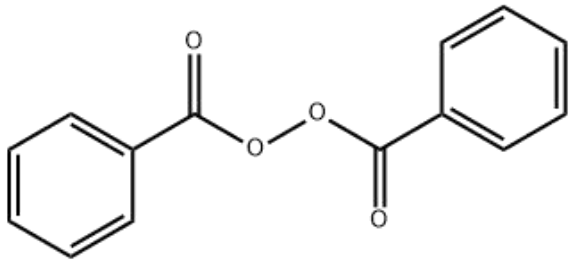
BPO 75% powder

Chemical name	Di-benzoyl peroxide	
	Molecular formula	$C_{14}H_{10}O_4$
	Molecular weight	242.23
	CAS NO.	94-36-0
	UN NO.	3104
	CN NO.	52045
	EINECS.	202-327-6

Brief lntroduction:

BPO 75% is a wet granular of diacyl peroxide, used as initiator of polymerization in expandable polystyrene(EPS),acrylic resins and curing agent for unsaturated polyester resin and elastomers.

BPO 75% is also used as raw material for diluted Dibenzoyl peroxide, such as BPO 50% powder and paste, BPO 32% powder etc. Miscible with benzene, chloroform, acetone, etc. Slightly Miscible with ethanol. Immiscible with water.

Half Life Data:

- Activation Energy... ……..... 30kcal/mole
- 10 hour, Half Life Temp..... 73℃
- 1 hour, Half Life Temp..... ..... .92℃
- 0.1 hour, Half Life Temp…..... …131℃

Specification:

Dibenzoyl peroxide	74%-76%
Water	24%-26%
Assay (as dry dibenzoyl peroxide)	98%min
Active oxygen (wet basis)	4.9%-5.02%
Chlorine%	≤0.25
Color	White

Application：

This compound is widely used as a radical initiator in polymerization processes. It also serves as a vulcanizing agent in rubber manufacturing and as a bleaching agent in various industrial applications, due to its strong oxidative properties.

This compound is one of the most commonly used radical initiators, frequently applied in the polymerization of acrylates. It works as an initiator for styrene and styrene copolymers and is often combined with other initiators like tert-butyl peroxybenzoate (LQ-TBPB) for enhanced performance.

In unsaturated polyester resins, it is used as a curing agent at medium to low temperatures, providing consistent results in the curing process.

As a vulcanizing agent, BPO is essential in the production of diene-based rubbers, contributing to the material's strength and flexibility.

Additionally, it serves as an important bleaching agent for flour and a decolorizing agent for vegetable oils in the food and processing industries.

Package and Storage:

20kg corrugated boxes box.5 kg one plastic bags
Store below 35℃ with efficient air ventilation.
Avoid direct sunlight.
Keep packages sealed to avoid loss of water