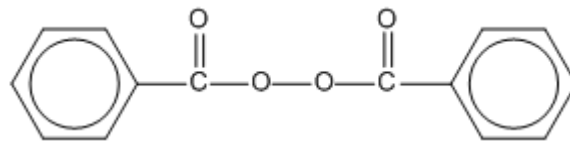


# LUPEROX® ATC50

## Benzoyl Peroxide Paste

### Introduction and Applications

Luperox® ATC50 benzoyl peroxide paste is a very low water content BPO paste. Luperox® ATC50 paste is recommended for use in specialty adhesives, silicones, and hybrid polyurethane resins used in molded composites. As compared with using dry BPO powder, Luperox® ATC50 paste offers similar low water content with easier handling and storage.



### Product Description

Chemical Name	CAS-No.	Wt/Wt
dibenzoyl peroxide	94-36-0	50-52 %
tricresyl phosphate	1330-78-5	46-48 %
hydrophobic fumed silica	68611-44-9	2 %

### Standard Specifications

assay	50.0 – 52.0 %
active oxygen	3.30 – 3.44 %

### Typical Physical Properties

viscosity, brookfield	ca. 55,000 cps (22°C)
density	1.20 g/cc (22°C)

### Half-Life Data

Half-life can be defined as the time required at a specific temperature, to affect a loss of one-half of the peroxide's active oxygen content. The efficiency of a free radical initiator depends upon its rate of decomposition.

Time	Deg C	Deg F
10 hours	72.9	163.3
1 hour	91.7	197.1

Half-life data can be a useful guide in selecting the optimum initiator for a specific application. Several factors apply to half-life data obtained in dilute solution:

- Use only applies to thermolytic decomposition
- Half-life varies in different solvents due to induced decomposition if no radical scavenger is present

### Temperature Tolerance

**Do not store above: 38°C (100°F)**

### Shelf-Life

Luperox® ATC50 has a shelf-life of 6 months from the date of Arkema delivery if stored at 35° to 85°F.

### Packaging

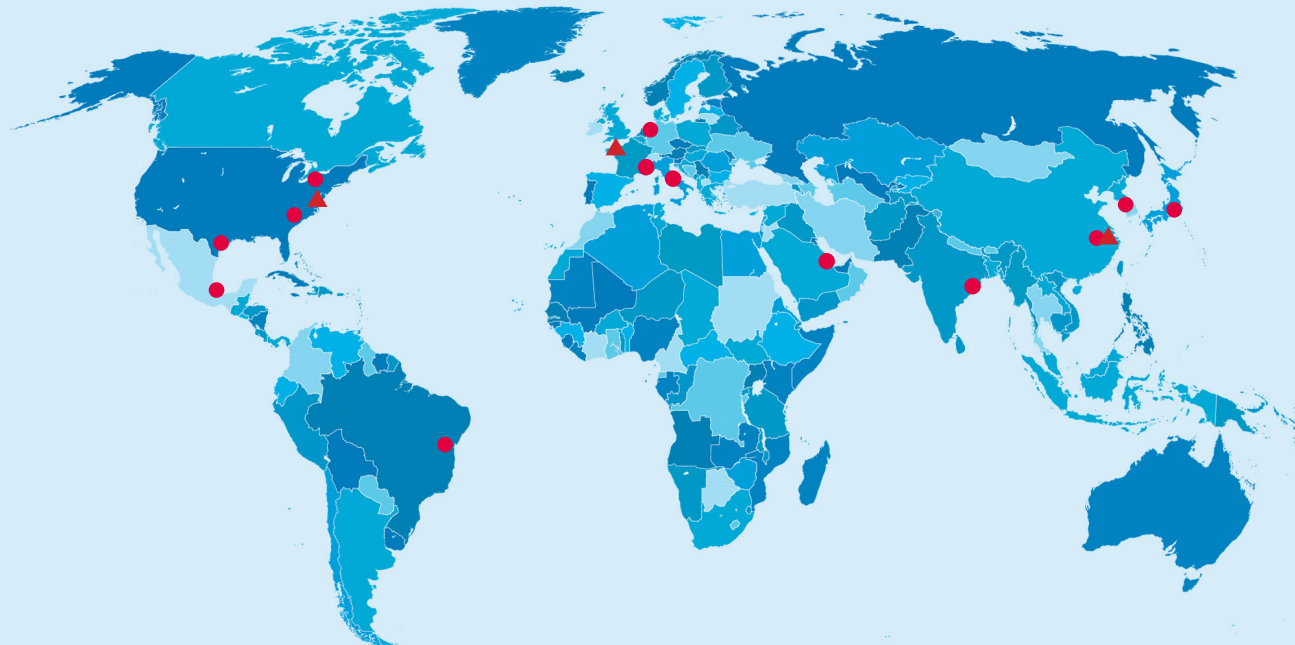
Luperox® ATC50 is packaged in 5-gallon pails.

### Availability

Luperox® ATC50 is available in North America from Arkema and authorized distributors. To discuss availability or speak to a salesperson, please call 844-LUPEROX.

**LUPEROX®**  
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