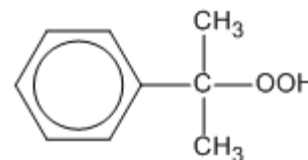


LUPEROX® CU90

Polymer Initiator

Introduction and Applications

Luperox® CU90 polymer initiator is a versatile product that can be used as a thermal initiator or as part of a redox system. At operating temperatures of 150°C to 250°C, Luperox® CU90 can be used for polymerization of styrene and acrylic esters. Molded composites cured at room temperature using Luperox® CU90 with an accelerator will benefit from a lower peak exotherm. This is an advantage when making very large or thick composite articles.



Product Description

Chemical Name	CAS-No.	Wt/Wt
cumene hydroperoxide	80-15-9	≤ 90%
dimethyl phenyl carbinol	617-94-7	≤ 10%
cumene	98-82-8	≤ 5%
acetophenone	98-86-2	≤ 2%

Standard Specifications

assay	87.0 – 90.0%
active oxygen	9.14 – 9.46%
color, Pt-Co	≤ 450

Typical Physical Properties

SADT	180°F (82°C)
density	1.06 g/cm ³ at 20°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	158	316
1 hour	188	370

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: 30°C (86°F)

Shelf-Life

Luperox® CU90 has a shelf-life of 6 months from the date of Arkema delivery.

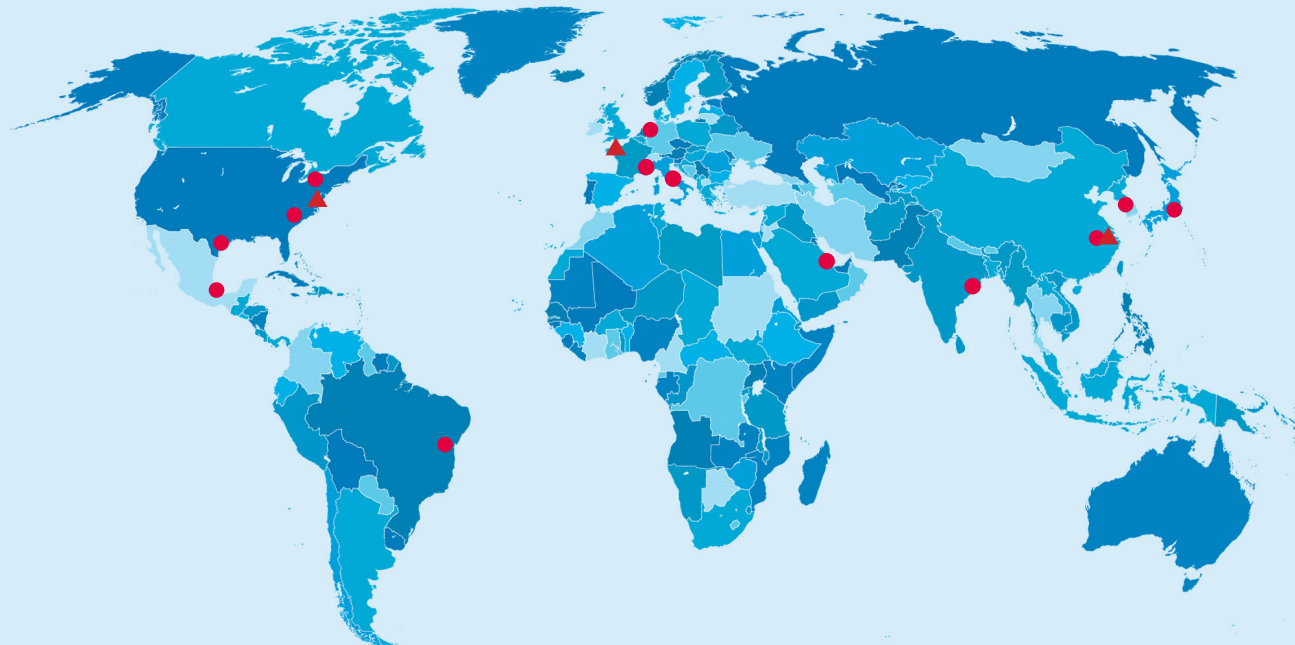
Packaging

Luperox® CU90 is packaged in 180kg steel drums.

Availability

Luperox® CU90 is available in North America from Arkema and authorized distributors. To discuss availability or speak to a salesperson, please call 844-LUPEROX.

LUPEROX® ORGANIC PEROXIDES WORLDWIDE



- Organic Peroxides Plants
- ▲ Research Centers

- Piffard, NY
- Franklin, VA
- Crosby, TX
- Coatza, MX
- Rio Claro, BR

- ▲ King of Prussia, PA

- Gunzberg, DE
- Spinetta, IT
- Anagni, IT
- Jubail, KSA
- Cuddalore, IN
- Jinhae, KR
- Fukuoka, JP
- Changshu, CN

- ▲ Pierre-Benite, FR
- Changshu, CN

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