

LUPEROX® 130XL45

Organic Peroxide

Introduction & Applications

Luperox® 130XL45 organic peroxide is a crosslinking agent for rubber and elastomers used in very high temperature processes. As a 45% active weight product on an inert filler, Luperox® 130XL45 is preferred over pure liquid for better, accurate addition to compounds.

Product Description

Chemical Name	CAS-No.	Wt/Wt
2,5-dimethyl-2,5-di-(tert-butylperoxy)hexyne-3	1068-27-5	≤ 50%
silica	112926-00-8	≤ 22%
calcium carbonate	471-34-1	≤ 40%

Standard Sales Specification

assay	45.0 – 48.0 %
active oxygen	5.03 – 5.36 %

Typical Physical Properties

SADT	190°F (88°C)
bulk density	0.70 g/cc

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.

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:

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

Time	Deg C	Deg F
10 hours	131	267.8
1 hour	152	305.6

Temperature Tolerance

Do not store above: 100°F (38°C)

Do not store below: 50°F (10°C)

Shelf-Life

Luperox® 130XL45 has a shelf-life of 12 months from date of original delivery, if stored according to guidelines.

Packaging

Luperox® 130XL45 is packed in 50 pound fiber cartons.

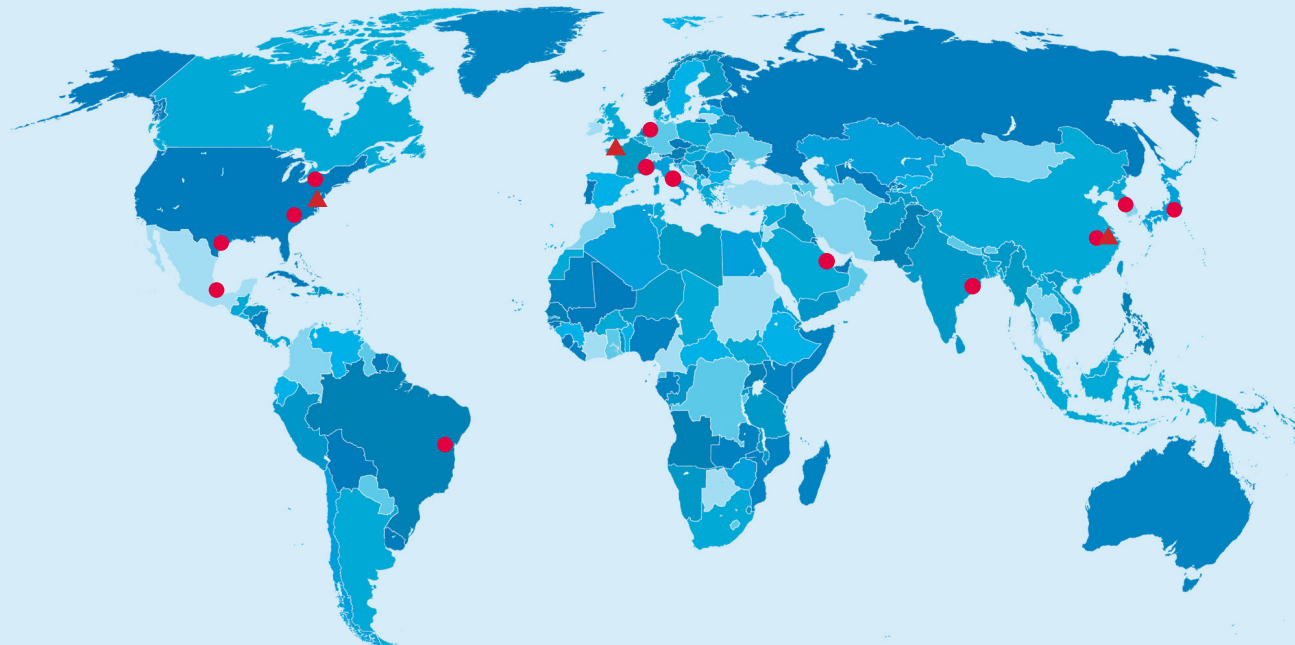
Availability

Luperox® 130XL45 polymer initiator 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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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
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