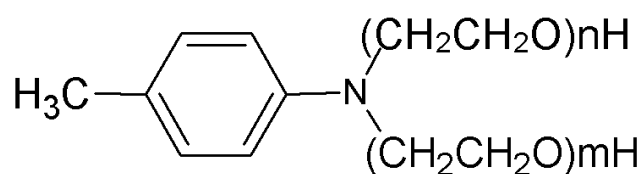


Bisomer[®] PTE

Bisomer[®] PTE (Paratoluidine Ethoxylate) is an amine accelerator for peroxide cure formulations.

Chemical Structure



REACH Registration Number:	01-2119979579-10-0001
REACH Description:	Reaction mass of 2,2'-[(4-methylphenyl)imino] bisethanol and Ethanol 2-[[2-(2-hydroxyethoxy)ethyl](4-methylphenyl)amino]-
EC Number:	911-490-9
Alternative Name:	Poly(oxy-1,2-ethanediyl), .alpha.,. alpha.'-[[[(4-methylphenyl)imino]di-2,1-ethanediyl]bis [.omega.-hydroxy-
CAS Number:	103671-44-9

Typical Physical Properties *

Property	Value	Method
Appearance	Orange - brown liquid	(E284; 01-13)
Amine value, mgKOH / g	250 - 264	(01-22)
Colour number, Gardner	15 max	(D1544; 03-18)
Molecular weight (av), g / mol	217	-

* The typical values presented here are believed to be accurate; they should not, however be considered to constitute a specification.

EUROPE

Charleston Road, Hardley,
Hythe, Southampton, Hampshire
SO45 3ZG UK
Call +44 2380 245 437

NORTH AMERICA

300 Brookside Avenue,
Building #23, Suite 100 Ambler,
PA 19002 USA

Call +1 215 773 9280 Toll

Free 888 519 3883

Email: PaintsandCoatings@geosc.com

www.geosc.com

Applications

Bisomer[®] PTE is an aromatic tertiary amine used as an amine activator for organic peroxide initiation, ideal for use in formulations using dibenzoyl peroxide (BPO). It has reduced toxicity. **Bisomer[®] PTE** is extensively used to activate MMA based acrylic resins, styrene-based unsaturated polyesters and vinyl ester methacrylate formulations. It is ideal in a wide range of applications, including acrylic flooring, adhesives, chemical fixings, road-marking paints, anchor bolts and chemical mortars.

In unsaturated polyesters (UPE), **Bisomer[®] PTE** has a number of advantages over more commonly used activators: it is less toxic and so has reduced labelling, has a low odour both in handling and residual post polymerisation systems. The ease of handling is due to its syrup-like consistency and it may be used as a diol to incorporate into an UPE backbone through a condensation reaction with suitable polybasic carboxylic acids.

Product Compliance

Kosher Status of **Bisomer[®] PTE** : Pareve Passover (Copy of Kosher Certificate available on request)

BfR Recommendation XII

Swiss Ordinance 817.023.21 – Manufactured from listed components



Registration & Regulatory Information: Please refer to the safety datasheet.

Handling & Storage: This product can be stored for up to 3 years at ambient storage temperature and conditions without any deterioration. Please refer to the safety datasheet for more details.

Miscellaneous: Various pack types available; please contact your local GEO Specialty Chemicals representative for further information.

All information and data, including the formulations and procedures discussed herein, are believed to be correct. However, this should not be accepted as a guarantee of their accuracy, and confirming tests should be run in your laboratory or plant. No statement should be construed as a recommendation for any use which would violate any patent rights. Sales of all products are pursuant to terms and conditions included in GEO Specialty Chemicals sales documents. Nothing contained therein shall constitute a guarantee or warranty with respect to the products described or their use. Safety information regarding these products is contained in their Safety Data Sheets. Users of these products are urged to review and use this information.

REVISION DATE: OCTOBER 2020

Bisomer[®] is a registered trademark of GEO Specialty Chemicals, Inc.