

Bisomer[®] PTE

Product Data

 Bisomer[®] PTE

TECHNICAL DATA SHEET

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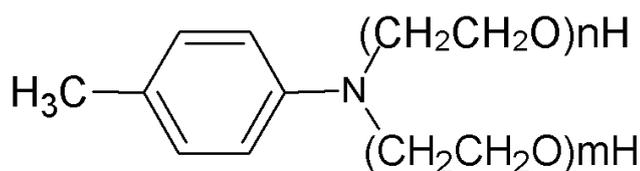
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Chemical Structure



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

Characteristic values

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	-

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

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

Transportation, Handling & Storage: Please refer to the safety datasheet for details.

Registration & Regulatory Information

Regulatory Status

TSCA	yes
AICS	yes
KECI	yes
ENCS	yes
IECSC	yes
EU	REACH Registration No. 01-2119979579-10-0001

Food Packaging Approvals

BfR Recommendation XII

Swiss Ordinance 817.023.21 – Manufactured from listed components

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

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