



PARAGON[®] MEPB

Cosmetic Preservative System

Phenoxyethanol (and) Methylparaben
(and) Butylparaben (and)
Ethylparaben (and) Propylparaben

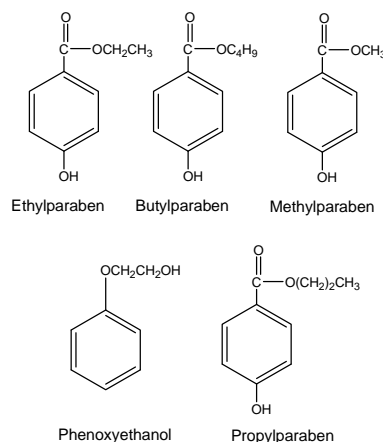
Product Description

Paragon[®] MEPB is an effective broad spectrum antimicrobial for cosmetic and personal care products. It is compatible with the ingredients used in typical cosmetic formulations and because it is an easy-to-handle liquid, high temperatures are not required to incorporate it. It is stable and effective over the pH range of 3 to 8. **Paragon[®] MEPB** is not affected by the normal heating of formulation. All of the ingredients in **Paragon[®] MEPB** are approved for use in Japan, the EU, and the United States. It is safe, nontoxic and formaldehyde-free. It is soluble in alcohols, glycols, esters, and oils. This product has limited water solubility and is best incorporated in an oil phase prior to addition to the general formulation or, if used in an aqueous formulation, after the surfactants have been added.

Specifications

Appearance @ 25 Deg C	Clear Liquid
Infrared Spectrum	Matches Standard
Fluidity	Fluid
Foreign Matter	Clean, No Dirt
Color APHA	200 Max
Moisture (Karl Fisher), %	3.0 Max
Methyl Paraben, %	15.0 – 17.0
Ethyl Paraben, %	3.5 – 4.5
Propyl Paraben, %	1.8 – 2.2
Butyl Paraben, %	5.5 – 6.5
Phenoxyethanol, %	70 - 73

Chemical Structure



Typical Properties

Specific Gravity @ 25 Deg C	1.11
-----------------------------	------

Regulatory

Paragon[®] MEPB

TSCA: Listed	Japan: Listed
EU: Listed	Korea: Listed
Australia: Listed	New Zea: Listed
Canada: Listed DSL	Philipp: Listed
China: Listed	Swiss: Unknown

Paragon MEPB is only to be used as a cosmetic preservative. It is not registered with the U.S. EPA as a general biocide and may only be used in exempt applications such as cosmetics.



PARAGON[®] MEPB

Cosmetic Preservative System

Phenoxyethanol (and) Methylparaben
(and) Butylparaben (and)
Ethylparaben (and) Propylparaben

Principal Uses

Cosmetic Preservative Only

Hair Conditioners	0.8% - 1.2%
Shampoo	0.8% - 1.2%
Skin Care Lotions	1.0% - 1.2%

Note: Individual requirements vary, purchasers are urged to perform their own preservative challenge testing to determine the effectiveness of **Paragon MEPB** in their system.

Shelf Life

Shelf life 24 months from date of manufacture.

Storage and Handling

Paragon[®] MEPB should be stored in sealed containers above 10°C due to the risk of crystallization. If material crystallizes, gently warm to 60°C max and agitate to homogeneity prior to sampling or use.

Packaging

Available in Bulk, 500 pound plastic drums, 225 kg drums, and 25 kg drums.

Additional Regulatory

Component	CAS	EINECS	TSCA	Canada	Australia	China	Japan	Korea	Philippines	New Zealand
2- Phenoxyethanol	122-99-6	204-589-7	Listed	DSL	Listed	Listed	ENCS 3-558, 7-78, 9- 1277 & JSCI 100125	KE- 28257	Listed	Listed
Methylparaben	99-76-3	202-785-7	Listed	DSL	Listed	Listed	ENCS 3-1585	KE- 20379	Listed	Listed
Propylparaben	94-13-3	202-307-7	Listed	DSL	Listed	Listed	ENCS 3-1585	KE- 20396	Listed	Listed
Ethylparaben	120-47-8	204-399-4	Listed	DSL	Listed	Listed	ENCS 3-1585	KE- 13823	Listed	Listed
Butylparaben	94-26-8	202-318-7	Listed	DSL	Listed	Listed	ENCS 3-1585	KE- 20372	Listed	Listed

WARNING

The information contained in this document is given in good faith and based on our current knowledge. It is only an indication and is in no way binding, notably as regards infringement of or prejudice to third parties through the use of our products.

RHODIA GUARANTEES THAT ITS PRODUCTS COMPLY WITH ITS SALES SPECIFICATIONS.

This information must on no account be used as a substitute for necessary prior tests which alone can ensure that a product is suitable for a given use. Users are responsible for ensuring compliance with local legislation and for obtaining the necessary certifications and authorizations. Users are requested to check that they are in possession of the latest version of the present document and RHODIA is at their disposal to supply any additional information.