

**TECHNICAL DATA SHEET****Product Name****Phenoxyethanol P5****DESCRIPTION**

Chemical Name	: Phenoxyethanol
INCI Name	: Phenoxyethanol
Other names	: Ethylene Glycol Phenyl Ether, Phenyl Cellosolve
CAS Number	: 122-99-6
EINECS Number	: 204-589-7
Chemical Formula	: C ₆ H ₅ O-CH ₂ CH ₂ OH

TECHNICAL SPECIFICATIONS

Appearance/nature	: Clear, low viscous liquid
Odour	: Characteristic
Colour	
a) description	: Colourless
b) on Lovibond (5 ¼ " cell, on Y+R), maximum	: 0.5
pH (1 % aqueous solution)	: 5.5 – 7.0
Purity, % by GC, minimum	: 99.5
Moisture content, % by mass (by KF), maximum	: 0.2
Phenoxyethoxyethanol, % by GC, maximum	: 0.5
Specific gravity (at 20 ⁰ C)	: 1.105 – 1.110
Refractive index (at 20 ⁰ C)	: 1.537 – 1.539
Free Phenol, ppm, maximum	: 5

Phenoxyethanol P5

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PROPERTIES

Initial Boiling point @ 1013 hPa, °C	: 244.3
Freezing point, °C	: 14
Vapour pressure @ 20°C, mm Hg, maximum	: 0.01
Flash point, °C	: 126
Solubility in water, g/l @ 20°C	: 24
Solubility in solvents	: soluble in alcohol and ether

APPLICATIONS

Phenoxyethanol P5 is used for a wide range of applications including

- As a preservative in personal care formulations
- As a latex coalescent in water-based architectural and industrial coatings
- As a solvent and plasticizer for Nitrocellulose, Cellulose Acetate, Ethyl Cellulose and many vinyl, phenolic, alkyd and ester-type resins in water-based coatings
- As a solvent in printing inks
- As an emulsifier to help lower interfacial tension in oil-water emulsions
- As an ingredient in slurring compounds used to protect metals against corrosion
- As an intermediate for bactericidal agents
- As an additive in paint industry
- As a perfume fixative

PACKING

Phenoxyethanol P5 is available in 250 kg HM-HDPE drums. Total of 80 drums i.e. 20MT palletized and 18 MT in IBC can be shipped in 20 ft. full container load. **Phenoxyethanol P5** is also available in HM-HDPE drums of 25 and 35 kg capacities. It can also be shipped in ISO containers with capacity of 24 MT.

TECHNICAL DATA SHEET**HANDLING AND STORAGE**

Store the material away from direct sunlight, heat and any source of ignition. Keep containers tightly closed. Store the material at around 30⁰C. In original sealed containers, the product can be stored for at least 2.5 years. Spills should be collected and disposed off according to the local regulations and the area may be cleaned by flushing with sufficient amount of water. Avoid ingestion and contact with skin, eyes and clothing. In case of contact with eyes and skin, seek adequate and timely medical attention. On prolonged storage, the product may solidify at low temperatures (below 14⁰C). To bring back the material to its original state, warm the drums to around 50⁰C (avoiding direct heating) for 3-4 hours. Stacking should be maximum 1+1 drums.

Product Name : **Phenoxyethanol P5**

Version : 03

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TDS Updated by : Mr. Sanjay Joshi

Authorised by : Mr. Milind Patil

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