

ODEB (1,2-DIETHOXYBENZENE)

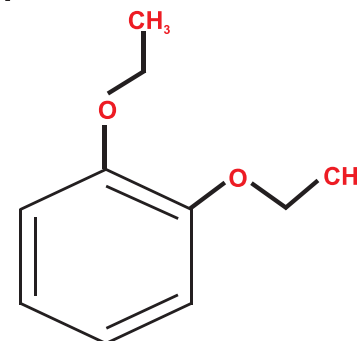
Introduction

ODEB (1,2-Diethoxybenzene) is a colourless crystalline solid (below 40°C) with a phenol like odour.

ODEB is manufactured industrially by the ethylation of pyrocatechol and is used as a precursor for the synthesis of active pharmaceutical ingredients & agro-chemical products.

ODEB may have an adverse effect on human health. It is harmful if swallowed, causes slight skin irritation and eye irritation. ODEB has a low potential for bioaccumulation, it will not remain persistent in nature.

Chemical Identity



NAME	: ODEB
CHEMICAL NAME	: 1,2-Diethoxybenzene
SYNONYM	: Pyrocatechol diethyl ether ortho-Diethoxybenzene
CAS NO	: 2050-46-6
MOLECULAR FORMULA	: C ₁₀ H ₁₄ O ₂
MOLECULAR WEIGHT	: 166.22 g/mol

ODEB (1,2-DIETHOXYBENZENE)

Physical & Chemical Properties

Appearance	: White crystalline solid (below 40°C)
Odor	: Phenolic odour
Purity by GC*	: Min 99.0%
Melting Point	: 41-45°C
Boiling Point	: 218-220°C
Density at 25°	: 1.0±0.1 g/cm ³
Solubility in Solvents	: Soluble in Methanol, Chloroform, Ether etc
Explosive Properties	: Non-Explosive

*Product has to be melted completely & mixed thoroughly before sampling for analysis.

*Strictly do not heat the drums above 60°C (140°F)

Uses & Applications

ODEB is used as a building block for various chemical compounds, some of which are as follows:

Active Pharmaceutical Ingredients:

Intermediates prepared from ODEB are used in the synthesis of active pharmaceutical ingredient such as Drotaverine.

ODEB intermediates are also used in the manufacture of the antiprotozoal veterinary drug, Decoquinatate.

Agrochemicals:

ODEB is used as a key raw material in the manufacture of the agrochemical fungicide, Diethofencarb.

Packaging & Shelf Life

Packed in 200 Kg MS drums, the product has a shelf life of one year from its manufacturing date, when kept in its original packaging. Keep the product in a tightly closed container away from light and oxidizing products.

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