TECHNICAL DATA SHEET



Trade name : PIPERONYL BUTOXIDE PRIME

This material complies with the WHO Specification 33/TC (September 2018) and FAO Specification 33/TC (September 2018) for Piperonyl Butoxide

CHEMICAL IDENTIFICATION

Nomenclature

Common name : Piperonyl Butoxide

IUPAC : 5-{[2-(2-butoxyethoxy]methyl}-6-propyl-1,3-benzodioxole

CA name : 1,3-Benzodioxole, 5-[[2-(2-butoxyethoxy)ethoxy]methyl]-6-propyl-

Others : (Butylcarbityl) (6-propyl-piperonyl) ether

PBO

CAS number : 51-03-6

EC number : 200-076-7

Molecular formula : C₁₉H₃₀O₅

Molecular weight : 338.40

Structural formula : H₃C O O

H₂C O

PRODUCT SPECIFICATIONS

Chemical assay (ENDQC-3 method by HRGC) :

Piperonyl Butoxide : 97.0 % w/w min.

Butyl Carbitol ® : < 0.5 % w/w

Dipiperonyl methane (DPM) : < 0.1 % w/w

Dipiperonyl ether (DPE) : < 0.1 % w/w

Acidity number (ENDQC-6 method) : 0.1 mg KOH/g max.

Density (ENDQC-4 method) : $1.060 (\pm 0.005) \text{ g/cm}^3 \text{ at } 20^{\circ}\text{C}$

Colour (ENDQC-7 method) : 2.5 max (Gardner scale)

Appearance (visual method) : Pale yellow oily liquid

NOTE: Endura reserves the right to make amendments to the data reported in this sheet either in compliance to any official body's updating or in agreement with Internal Company decisions.

The reported information is, to the best of our knowledge, as accurate and complete as possible and is given in good faith but without warranty from our part. Any use for Registration purposes must be authorised by Endura in advance.

PBO PRIME Rev.0 October 2025

TECHNICAL DATA SHEET



Trade name : PIPERONYL BUTOXIDE PRIME

ADDITIONAL INFORMATION

Odour : Mildly aromatic

Refractive index : $1.502 (\pm 0.005)$

Boiling point : 203 °C at 278 Pa

Vapour pressure : 2.11 x 10⁻⁷ hPa at 60°C

Flash point : 179.2 °C

Solubility : Practically insoluble in water

Soluble in all common organic solvents including

mineral oils and petroleum distillates

Partition coefficient

(Log Pow)

: 4.8

NOTE: Endura reserves the right to make amendments to the data reported in this sheet either in compliance to any official body's updating or in agreement with Internal Company decisions.

The reported information is, to the best of our knowledge, as accurate and complete as possible and is given in good faith but without warranty from our part. Any use for Registration purposes must be authorised by

Endura in advance.