

TECHNICAL DATA SHEET

Trade name : PIPERONYL BUTOXIDE TECHNICAL GRADE

CHEMICAL IDENTIFICATION

Nomenclature

Common name : Piperonyl Butoxide
 IUPAC : 2-(2-Butoxyethoxy)ethyl 6-propylpiperonyl ether
 CAS (9th Cl) : 5-[[2-(2-Butoxyethoxy)ethoxy]methyl]-6-propyl-1,3-benzodioxole
 Others : (Butylcarbityl) (6-propyl-piperonyl) ether
 PBO

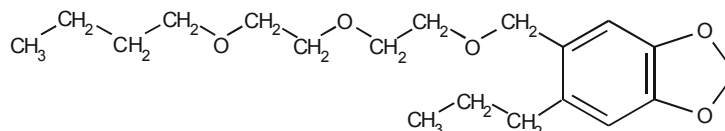
CAS number : 51-03-6

EC number : 200-076-7

Molecular formula : C₁₉H₃₀O₅

Molecular weight : 338.4

Structural formula :



PRODUCT SPECIFICATIONS

Chemical assay (ENDQC-3 method by HRGC)

Piperonyl Butoxide	:	90.0 % min
Butyl Carbital [®]	:	2.0 % max
Methyl eugenol derivative	:	2.0 % max
Dipiperonyl methane	:	4.0 % max
Dipiperonyl ether	:	2.0 % max

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

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.

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ADDITIONAL INFORMATION

Appearance	:	Pale yellow oily liquid
Colour	:	4.5 max (Gardner scale)
Odour	:	Mildly aromatic
Refractive index	:	1.502 (± 0.005) at 20 °C
Density	:	1.060 (± 0.005) g/cm ³ at 20 °C
Boiling point	:	180 °C at 133 Pa
Vapour pressure	:	$< 1.33 \times 10^{-5}$ Pa at 25 °C
Flash point	:	179 °C
Solubility	:	Practically insoluble in water Soluble in all common organic solvents including mineral oils and petroleum distillates
Partition coefficient (Log Pow)	:	4.62 at 20 °C

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