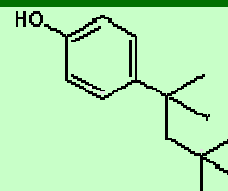


p-(tert-OCTYL)PHENOL

PRODUCT IDENTIFICATION

CAS NO.	140-66-9
EINECS NO.	205-426-2
FORMULA	(CH ₃) ₃ CCCH ₂ C(CH ₃) ₂ C ₆ H ₄ OH
MOL WT.	206.32
H.S. CODE	2907.13.0000
UN NO.	3077
TOXICITY	Oral Rat LD50: 4600mg/kg
SYNONYMS	4-(1,1,3,3-Tetramethylbutyl)phenol; 4-tert-Octylphenol; 4-(1,1,3,3-Tetramethylbutyl)phenol; 4-t-Octylphenol; 4-tert-Octylphenol; p-(1',1',3',3'-Tetramethylbutyl)fenol; p-(1,1,3,3-Tetramethylbutyl)phenol; p-Octylphenol; p-terc.Oktylfenol [Czech]; p-tert-Octylphenol; para-tert-Octylphenol; Other RN: 124765-79-3, 37769-53-2, 85771-77-3
SMILES	<chem>C(c1ccc(O)cc1)(CC(C)(C)C)(C)C</chem>
CLASSIFICATION	Alkylphenol
EXTRA NOTES	



PHYSICAL AND CHEMICAL PROPERTIES

PHYSICAL STATE	white to pale yellow flakes
MELTING POINT	80 - 84 C
BOILING POINT	276 C
SPECIFIC GRAVITY	
SOLUBILITY IN WATER	
SOLVENT SOLUBILITY	
pH	
VAPOR DENSITY	
log P(o/w)	5.28 (Octanol-water)
HENRY LAW CONSTANT	6.89E-06 (atm-m ³ /mole at 25 C)
OH RATE CONSTANT	4.24E-11 (cm ³ /molecule-sec at 25 C Atmospheric)
AUTOIGNITION	
REFRACTIVE INDEX	
NFPA RATINGS	
FLASH POINT	
STABILITY	Stable under ordinary conditions

EXTERNAL LINKS & GENERAL DESCRIPTION

Most of the 4-(1,1,3,3-tetramethylbutyl)-phenol appears to be used as an intermediate for the production of resins, non-ionic surfactants and rubber additives. OP is also used for the manufacturing of antioxidants, fuel oil stabilizers, adhesives, dyestuffs, fungicides, bactericides, and for vulcanizing synthetic rubber (a sulphide complex of OP). Ref. At least 95-98 % of the octylphenol used in the United States is chemically altered before reaching the consumer market. Ref. [40] The remaining 2-5 % are supposed to be used in fuel for aeroplanes. In 1993 less than 10 t octylphenolethoxylates were used in Switzerland. Ref.

SALES SPECIFICATION

APPEARANCE	white to pale yellow flakes
PURITY	99.0% min
MOLTEN COLOR	100 max (APHA)

TRANSPORTATION

PACKING	
HAZARD CLASS	8 (Packing Group: III)
UN NO.	2430

SAFETY INFORMATION

Hazard Symbols: C N, Risk Phrases: 21/22-34-51/53, Safety Phrases: 26-27-36/37/39-45-61

PRICE INFORMATION