

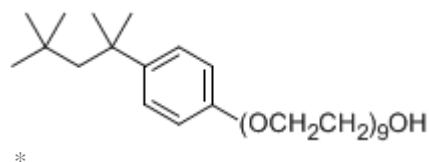


Nonidet P-40 substitute (br)

Chemically indistinguishable from Nonidet P40, which is no longer commercially available.

Product Description

Name :	Nonidet P-40 substitute (br) [Octylphenoxy]Polyethoxyethanol, branched; [Octylphenoxy]Polyethoxyethanol; Polyoxyethylene (9) isooctylphenyl ether; Igepal CA-630; Anapoe-NID-P40; NP40 Alternative; Lissapol; TX100 CAS : 9002-93-1 []
Catalog Number :	WZ7550 500ml WZ7551 1L
Structure :	C32H58O10*
Molecular Weight :	603.0*
CMC (50mM Na⁺):	~ 0.05-0.3 mM
Aggregation Number (H₂O)	~ 100-155
Density:	1.060 ± 0.005
Form:	Clear, slightly yellow-green viscous liquid.



Storage: Room temperature
 May become turbid on storage; a clear product can be obtained on heating to 40°C.

•Applications

Nonidet-P40 Br Substitute (NP-40 alternative) is used as nonionic surface-active agent. It is an effective emulsifier for solvents such as xylene. Furthermore in Biochemistry, Nonidet-P40 substitute (br) is a nonionic surfactant used in the isolation of membrane complexes. Due to its nonionic structure, this product is compatible with anionic surfactants and is stable in the presence of acids, bases, and salts. It should not be mixed with concentrated oxidizing or reducing agents since the mixture of these compounds with organic compounds could form a potentially explosive mixture.

•**Nonidet-P40 Br Substitute** is also known as Igepal CA-630, said as "chemically indistinguishable from Nonidet P-40". It is a nonionic, non-denaturing detergent, with a Hydrophobic/Lipophilic Balance (HLB) of 13.1-13.5. Nonidet-P40 Br Substitute is an anhydrous liquid produced by the reaction of octyl phenol with 8.5-9.5 moles of ethylene oxide.

This substance differs from the Nonidet P40 and the NP40 compounds (see below) by its branched structure of alkyl chain and slightly shorter PEO chain. HLB of Nonidet P40 substitute is nearly equal to Nonidet P40, but slightly lower than NP40.

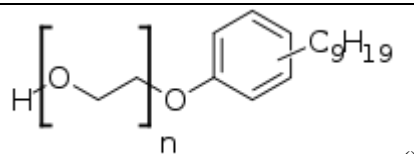
*Furthermore, caution should be considered because these compounds are not perfectly single compounds : the PEO part shows some dispersivity. Consequently, slightly different MW. Different CAS number may also be reported.

FT-WZ7550

. **Nonidet-P40, P40 substitute or NP40 alternative**
(CAS: 9016-45-9) official IUPAC name is **octylphenoxypolyethoxyethanol**. It is sometimes abbreviated as NP-40, despite NP40 is an other compound(see below). Nonidet P40 HLB is(was) 13.5

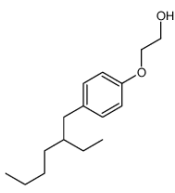
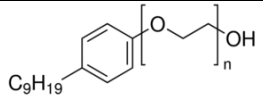
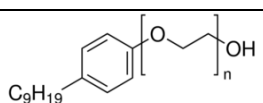
Octyl[phenoxy]polyethoxyethanol ;
Syn. : Polyethylene glycol nonylphenyl ether;
Nonyl phenoxy polyethoxyethanol;
Nonoxynol-40 ; Lissapol ; Sunperonic.
PEOn-Phenyl-C₈H₁₇-(n=9/10)

. **NP-40** () official IUPAC name is **nonylphenoxypolyethoxyethanol**, a compound from the Tergitol™ NP series of Dow Chemicals (where NP refers to an ethoxylated nonylphenol of non-ionic surfactants). It is a nonionic, non-denaturing detergent. NP-40 can act as emulsifier and demulsifier agent. NP40 is out of production. HLB is(was) 13.5



Nonylphenoxypolyethoxyethanol ;
Syn. : Tergitol-type NP-40

Related products

Lissapol CAS : 68987-90-6	Mono-branched C8 chain		
Igepal CA720, TX405 CAS°: 9036-19-5	MW :~750 LongerPEO chain	HLB : 14	
Nonidet P40 Substitute CAS : 9016-45-9	MW : 680(av.)	HLB : 13.5	
Tergitol Type NP-40 CAS : 127087-87	MW : 1980	HLB : 17.8	

Related compounds. Inquire. CAS : 68987-90-6 ; CAS 123359-41-1 ; CAS : 68412-54-4

Legals

Igepal is a registered trademark of Rhodia Operations.
Nonidet is a trademark of Shell Chemical Co.
Tergitol is a trademark of The Dow Chemical Company.

Ordering information

Catalog size quantities and prices may be found at <http://www.interchim.com>.

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