

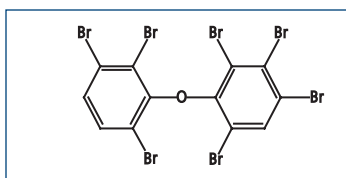


April 17 2006

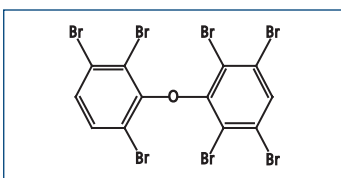
PBDE UPDATE

NEW NATIVE POLYBROMINATED DIPHENYL ETHERS

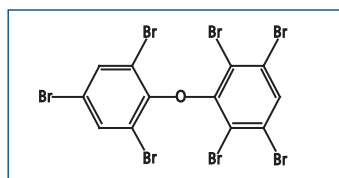
With the intention of providing a more comprehensive choice of Polybrominated Diphenyl Ether congeners (PBDEs), Wellington Laboratories has recently completed the synthesis of 5 new native PBDEs.



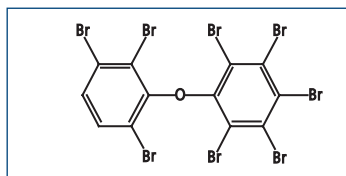
BDE-176



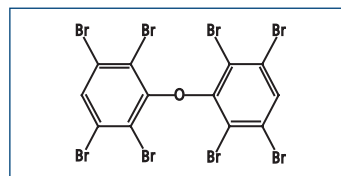
BDE-179



BDE-188



BDE-200



BDE-202

A possible pathway to potentially more toxic, lower brominated diphenyl ether congeners found in the environment may involve the debromination of PBDEs in the technical formulations.

Recent scientific literature suggests that metabolic debromination occurs through the removal of para and meta substituted bromines. These 5 new PBDE congeners all have full ortho substitution, but are missing bromines at either the meta or para positions.

Although these PBDE congeners are unlikely to be present in noticeable quantities in the commercial mixtures, they may be found in environmental samples.

An updated list of our native and mass-labelled PBDEs is attached. Please contact your local distributor or info@well-labs.com for pricing and delivery.

AND...Please continue to visit our website (www.well-labs.com) for a complete listing of new product releases.

NATIVE BROMINATED DIPHENYL ETHERS (PBDEs)

Catalogue Number	Product (nonane solution)	Qty/Conc
BDE-1	2-Bromodiphenyl ether	1.2 ml 50 µg/ml
BDE-2	3-Bromodiphenyl ether	1.2 ml 50 µg/ml
BDE-3	4-Bromodiphenyl ether	1.2 ml 50 µg/ml
BDE-7	2,4-Dibromodiphenyl ether	1.2 ml 50 µg/ml
BDE-10	2,6-Dibromodiphenyl ether	1.2 ml 50 µg/ml
BDE-15	4,4'-Dibromodiphenyl ether	1.2 ml 50 µg/ml
BDE-17	2,2',4-Tribromodiphenyl ether	1.2 ml 50 µg/ml
BDE-28	2,4,4'-Tribromodiphenyl ether	1.2 ml 50 µg/ml
BDE-30	2,4,6-Tribromodiphenyl ether	1.2 ml 50 µg/ml
BDE-47	2,2',4,4'-Tetrabromodiphenyl ether	1.2 ml 50 µg/ml
BDE-49	2,2',4,5'-Tetrabromodiphenyl ether	1.2 ml 50 µg/ml
BDE-54	2,2',6,6'-Tetrabromodiphenyl ether	1.2 ml 50 µg/ml
BDE-66	2,3',4,4'-Tetrabromodiphenyl ether	1.2 ml 50 µg/ml
BDE-71	2,3',4',6-Tetrabromodiphenyl ether	1.2 ml 50 µg/ml
BDE-77	3,3',4,4'-Tetrabromodiphenyl ether	1.2 ml 50 µg/ml
BDE-85	2,2',3,4,4'-Pentabromodiphenyl ether	1.2 ml 50 µg/ml
BDE-99	2,2',4,4',5-Pentabromodiphenyl ether	1.2 ml 50 µg/ml
BDE-100	2,2',4,4',6-Pentabromodiphenyl ether	1.2 ml 50 µg/ml
BDE-119	2,3',4,4',6-Pentabromodiphenyl ether	1.2 ml 50 µg/ml
BDE-126	3,3',4,4',5-Pentabromodiphenyl ether	1.2 ml 50 µg/ml
BDE-138	2,2',3,4,4',5'-Hexabromodiphenyl ether	1.2 ml 50 µg/ml
BDE-139	2,2',3,4,4',6-Hexabromodiphenyl ether	1.2 ml 50 µg/ml
BDE-140	2,2',3,4,4',6'-Hexabromodiphenyl ether	1.2 ml 50 µg/ml
BDE-153	2,2',4,4',5,5'-Hexabromodiphenyl ether	1.2 ml 50 µg/ml
BDE-154	2,2',4,4',5,6'-Hexabromodiphenyl ether	1.2 ml 50 µg/ml
BDE-155	2,2',4,4',6,6'-Hexabromodiphenyl ether	1.2 ml 50 µg/ml
BDE-156	2,3,3',4,4',5-Hexabromodiphenyl ether	1.2 ml 50 µg/ml
BDE-169	3,3',4,4',5,5'-Hexabromodiphenyl ether	1.2 ml 50 µg/ml
BDE-170	2,2',3,3',4,4',5-Heptabromodiphenyl ether	1.2 ml 50 µg/ml
BDE-171	2,2',3,3',4,4',6-Heptabromodiphenyl ether	1.2 ml 50 µg/ml
NEW BDE-176	2,2',3,3',4,6,6'-Heptabromodiphenyl ether	1.2 ml 50 µg/ml
NEW BDE-179	2,2',3,3',5,6,6'-Heptabromodiphenyl ether	1.2 ml 50 µg/ml
BDE-180	2,2',3,4,4',5,5'-Heptabromodiphenyl ether	1.2 ml 50 µg/ml
BDE-181	2,2',3,4,4',5,6-Heptabromodiphenyl ether	1.2 ml 50 µg/ml
BDE-182	2,2',3,4,4',5,6'-Heptabromodiphenyl ether	1.2 ml 50 µg/ml
BDE-183	2,2',3,4,4',5',6-Heptabromodiphenyl ether	1.2 ml 50 µg/ml
BDE-184	2,2',3,4,4',6,6'-Heptabromodiphenyl ether	1.2 ml 50 µg/ml
NEW BDE-188	2,2',3,4',5,6,6'-Heptabromodiphenyl ether	1.2 ml 50 µg/ml
BDE-191*	2,3,3',4,4',5',6-Heptabromodiphenyl ether	1.2 ml 50 µg/ml

* Toluene solution



NATIVE BROMINATED DIPHENYL ETHERS

Catalogue Number	Product (nonane solution)	Qty/Conc
BDE-194*	2,2',3,3',4,4',5,5'-Octabromodiphenyl ether	1.2 ml 50 µg/ml
BDE-196*	2,2',3,3',4,4',5,6'-Octabromodiphenyl ether	1.2 ml 50 µg/ml
BDE-197*	2,2',3,3',4,4',6,6'-Octabromodiphenyl ether	1.2 ml 50 µg/ml
NEW BDE-200*	2,2',3,3',4,5,6,6'-Octabromodiphenyl ether	1.2 ml 50 µg/ml
BDE-201*	2,2',3,3',4,5',6,6'-Octabromodiphenyl ether	1.2 ml 50 µg/ml
NEW BDE-202*	2,2',3,3',5,5',6,6'-Octabromodiphenyl ether	1.2 ml 50 µg/ml
BDE-203*	2,2',3,4,4',5,5',6-Octabromodiphenyl ether	1.2 ml 50 µg/ml
BDE-204*	2,2',3,4,4',5,6,6'-Octabromodiphenyl ether	1.2 ml 50 µg/ml
BDE-205*	2,3,3',4,4',5,5',6-Octabromodiphenyl ether	1.2 ml 50 µg/ml
BDE-206*	2,2',3,3',4,4',5,5',6-Nonabromodiphenyl ether	1.2 ml 50 µg/ml
BDE-207*	2,2',3,3',4,4',5,6,6'-Nonabromodiphenyl ether	1.2 ml 50 µg/ml
BDE-208*	2,2',3,3',4,5,5',6,6'-Nonabromodiphenyl ether	1.2 ml 50 µg/ml
BDE-209*	Decabromodiphenyl ether	1.2 ml 50 µg/ml

* Toluene solution

MASS-LABELLED BROMINATED DIPHENYL ETHERS

Catalogue Number	Product (nonane solution)	Qty/Conc
MBDE-3	4-Bromo[¹³ C ₁₂]diphenyl ether	1.2 ml 50 µg/ml
MBDE-15	4,4'-Dibromo[¹³ C ₁₂]diphenyl ether	1.2 ml 50 µg/ml
MBDE-28	2,4,4'-Tribromo[¹³ C ₁₂]diphenyl ether	1.2 ml 50 µg/ml
MBDE-47	2,2',4,4'-Tetrabromo[¹³ C ₁₂]diphenyl ether	1.2 ml 50 µg/ml
MBDE-77	3,3',4,4'-Tetrabromo[¹³ C ₁₂]diphenyl ether	1.2 ml 50 µg/ml
MBDE-79	3,3',4,5'-Tetrabromo[¹³ C ₁₂]diphenyl ether	1.2 ml 50 µg/ml
MBDE-99	2,2',4,4',5-Pentabromo[¹³ C ₁₂]diphenyl ether	1.2 ml 50 µg/ml
MBDE-100	2,2',4,4',6-Pentabromo[¹³ C ₁₂]diphenyl ether	1.2 ml 50 µg/ml
MBDE-126	3,3',4,4',5-Pentabromo[¹³ C ₁₂]diphenyl ether	1.2 ml 50 µg/ml
MBDE-138	2,2',3,4,4',5'-Hexabromo[¹³ C ₁₂]diphenyl ether	1.2 ml 50 µg/ml
MBDE-139	2,2',3,4,4',6-Hexabromo[¹³ C ₁₂]diphenyl ether	1.2 ml 50 µg/ml
MBDE-153	2,2',4,4',5,5'-Hexabromo[¹³ C ₁₂]diphenyl ether	1.2 ml 50 µg/ml
MBDE-154	2,2',4,4',5,6'-Hexabromo[¹³ C ₁₂]diphenyl ether	1.2 ml 50 µg/ml
MBDE-169	3,3',4,4',5,5'-Hexabromo[¹³ C ₁₂]diphenyl ether	1.2 ml 50 µg/ml
MBDE-180	2,2',3,4,4',5,5'-Heptabromo[¹³ C ₁₂]diphenyl ether	1.2 ml 50 µg/ml
MBDE-183	2,2',3,4,4',5',6-Heptabromo[¹³ C ₁₂]diphenyl ether	1.2 ml 50 µg/ml
MBDE-197*	2,2',3,3',4,4',6,6'-Octabromo[¹³ C ₁₂]diphenyl ether	1.2 ml 50 µg/ml
MBDE-205*	2,3,3',4,4',5,5',6-Octabromo[¹³ C ₁₂]diphenyl ether	1.2 ml 50 µg/ml
MBDE-206*	2,2',3,3',4,4',5,5',6-Nonabromo[¹³ C ₁₂]diphenyl ether	1.2 ml 50 µg/ml
MBDE-207*	2,2',3,3',4,4',5,6,6'-Nonabromo[¹³ C ₁₂]diphenyl ether	1.2 ml 50 µg/ml
MBDE-209*	Decabromo[¹³ C ₁₂]diphenyl ether	1.2 ml 25 µg/ml

* Toluene solution

