

Oss, Juni 16th 2018

Statement regarding RoHS conformity Unipol grades

UNIPOL Holland b.v. declares to be in full compliance with all directives regarding the restriction of hazardous substances, applicable to the EPS grades "UNIPOL ECOFREPS" and "UNIPOL R-EPS", as stated in:

- The RoHS 1 directive (2002/95/EC).
- The RoHS 2 directive (2011/65/EU) including the amendment EU 2015/863 with the additional substances added to Annex II of 2011/65/EU.

List of individual tested substances and their results are included in appendix of this statement.

Unipol Holland, BV



A.J.B.T. Janssen

Manager HSEQ

Appendix - Statement regarding RoHS conformity Unipol grades

Substance name	Abbrev.	CAS-No.	LOQ	Test result
Diisobutylphthalate	DIBP	84-69-5	0.005	n.d.
Dibutylphthalate	DBP	84-74-2	0.005	n.d.
Benzylbutylphthalate	BBP	85-68-7	0.005	n.d.
Bis-(2-ethylhexyl)phthalate	DEHP	117-81-7	0.005	n.d.
Di-n-octylphthalate	DNOP	117-84-0	0.005	n.d.
Diisononylphthalate	DINP	28553-12-0 68515-48-0	0.005	n.d.
Diisodecylphthalate	DIDP	26761-40-0	0.005	n.d.
1,2-Benzenedicarboxylic acid, di-C6-8-branched alkyl esters, C7-rich (corresponds to di-iso-heptylphthalate)	DIHP	71888-89-6	0.02	n.d.
Bis(2-methoxyethyl)phthalate	DMEP	117-82-8	0.02	n.d.
1,2-Benzenedicarboxylic acid, dipentylester, branched and linear (Dipentylphthalates) (Analytically determined via the concentration of N-pentyl-isopentylphthalate, Diisopentylphthalate and Dipentylphthalate)	--	84777-06-0	0.02	n.d.
N-pentyl-isopentylphthalate	--	776297-69-9	0.02	n.d.
Diisopentylphthalate	DIPP	605-50-5	0.02	n.d.
Dipentylphthalate	PIPP	131-18-0	0.02	n.d.
1,2-Benzenedicarboxylic acid, di-C7-11-branched and linear alkyl esters (Analytically determined via the concentrations of diheptyl- and dundecylphthalate)	DHNUP	68515-42-4	0.02	n.d.
1,2-Benzenedicarboxylic acid, dihexyl ester, branched and linear (Analytically determined via the concentrations of diisohexylphthalate and di-n-hexylphthalate)	--	68515-50-4	0.02	n.d.
Di-n-hexyl-phthalate	DNHP	84-75-3	0.02	n.d.
1,2-benzenedicarboxylic acid, di-C6-10-alkyl esters; 1,2-benzenedicarboxylic acid, mixed decyl and hexyl and octyl diesters (Analytically determined via the concentrations of Dihexyl-, Dioctyl-, Dodecylphthalat; contains >0.3% Dehexylphthalate)	--	68515-51-5 68648-93-1	0.02	n.d.

LOQ=Limit of quantification

n.d.= not determinable

Method: GC/MS according to DIN EN 62321:2008*
Detection limit: 10 mg/kg (NonabromDPE + DecabromDPE 25 mg/kg)

Parameter	Sample No. 628488 Part No. 1
bromobiphenyl	<10
dibromobiphenyl	<10
tribromobiphenyl	<10
tetrabromobiphenyl	<10
pentabromobiphenyl	<10
hexabromobiphenyl	<10
heptabromobiphenyl	<10
octabromobiphenyl	<10
nonabromobiphenyl	<10
decabromobiphenyl	<10
bromodiphenyl ether	<10
dibromodiphenyl ether	<10
tribromodiphenyl ether	<10
tetrabromodiphenyl ether	<10
pentabromodiphenyl ether	<10
hexabromodiphenyl ether	<10
heptabromodiphenyl ether	<10
octabromodiphenyl ether	<10
nonabromodiphenyl ether	<25
decabromodiphenyl ether	<25
Status	pass