

A2190200525101007C

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2019.08.06

2019.08.06-2019.08.12

			<b>CAS</b>	<b>EC</b>	<b>(%)</b>	<b>(%)</b>
-	-	SVHC	-	-	N.D.	-

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US EPA3052:1996, US EPA 3050B:1996, US EPA3060A:1996, US EPA 3550C:2007,  
US EPA 3540C:1996, ISO 17353:2004(E), EN 14582:2016  
ICP-OES, UV-Vis, IC, HPLC, GC-MS, GC-MS(NCI), GC-FID LC-MS-MS

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1. SVHC SVHC SVHC
2. w/w % = ; 0.1% = 1000 mg/kg =1000 ppm
3. N.D. = ( )
4. \*:
  - (TBTO) (DBTC) - ( 2- ) (DOTE)
  - ( 2- ) (DOTE) (2- ) (MOTE)
  - ( (TBT) (DBT) (DOT) (MOT))
5. \*\*: CLP ( (EC)No 1272/2008) VI
- 650-017-00-8
6. \*\*\*: C.I.:
7. \*\*\*\*:
8. \*\*\*\*\*: , ,
9. : , ; , , (2,4- 4,4'- 2,6-
10. : UVCB ( )
- 0.1% w/w MSDS
11. :

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## SVHC

			CAS	EC	(%)
I	1		120-12-7	204-371-1	0.005
I	2	4,4'-	101-77-9	202-974-4	0.005
I	3	(DBP)	84-74-2	201-557-4	0.005
I	4	*	7646-79-9	231-589-4	0.01
I	5	*	1303-28-2	215-116-9	0.01
I	6	*	1327-53-3	215-481-4	0.01
I	7	*	7789-12-0 10588-01-9	234-190-3	0.01
I	8		81-15-2	201-329-4	0.005
I	9	(2- ) (DEHP)	117-81-7	204-211-0	0.005
I	10	(HBCDD)	25637-99-4 3194-55-6 (134237-50-6) (134237-51-7) (134237-52-8)	247-148-4 221-695-9	0.005
I	11	(SCCPs)	85535-84-8	287-476-5	0.01
I	12	(TBTO)*	56-35-9	200-268-0	0.005
I	13	*	7784-40-9	232-064-2	0.01
I	14	(BBP)	85-68-7	201-622-7	0.005
I	15	*	15606-95-8	427-700-2	0.01
II	16		90640-80-5	292-602-7	0.05
II	17	, , ****	91995-17-4	295-278-5	0.05
II	18	, ,	91995-15-2	295-275-9	0.05
II	19	,	90640-82-7	292-604-8	0.05
II	20	,	90640-81-6	292-603-2	0.05
II	21	,	65996-93-2	266-028-2	0.05
II	22		79-06-1	201-173-7	0.01
II	23	2,4-	121-14-2	204-450-0	0.01
II	24	(DIBP)	84-69-5	201-553-2	0.005
II	25		7758-97-6	231-846-0	0.05
II	26	(C.I. 104)***	12656-85-8	235-759-9	0.05
II	27	(C.I. 34)***	1344-37-2	215-693-7	0.05
II	28	(2- ) (TCEP)	115-96-8	204-118-5	0.01
III	29		79-01-6	201-167-4	0.005
III	30	*	10043-35-3 11113-50-1	233-139-2 234-343-4	0.01

			CAS	EC	(%)
III	31	*****	1330-43-4 12179-04-3 1303-96-4	215-540-4	0.01
III	32	*****	12267-73-1	235-541-3	0.01
III	33	*	7775-11-3	231-889-5	0.01
III	34	*	7789-00-6	232-140-5	0.01
III	35	*	7789-09-5	232-143-1	0.01
III	36	*	7778-50-9	231-906-6	0.01
IV	37	*	10124-43-3	233-334-2	0.01
IV	38	*	10141-05-6	233-402-1	0.01
IV	39	*	513-79-1	208-169-4	0.01
IV	40	*	71-48-7	200-755-8	0.01
IV	41		109-86-4	203-713-7	0.005
IV	42		110-80-5	203-804-1	0.005
IV	43	*	1333-82-0	215-607-8	0.01
IV	44	*	7738-94-5 13530-68-2	231-801-5 236-881-5	0.01
V	45		111-15-9	203-839-2	0.01
v	46	*	7789-06-2	232-142-6	0.01
v	47	1,2- - (C7-11 ( )	68515-42-4	271-084-6	0.01
v	48		7803-57-8 302-01-2	206-114-9	0.01
v	49	N-	872-50-4	212-828-1	0.01
v	50	1,2,3-	96-18-4	202-486-1	0.01
v	51	C6-8 (C7 )	71888-89-6	276-158-1	0.01
VI	52	*	24613-89-6	246-356-2	0.01
VI	53	*	11103-86-9	234-329-8	0.01
VI	54	*	49663-84-5	256-418-0	0.01
VI	55	**	-	-	0.05
VI	56	**	-	-	0.05
VI	57		25214-70-4	500-036-1	0.01
VI	58		117-82-8	204-212-6	0.005
VI	59	2- ( )	90-04-0	201-963-1	0.005

			CAS	EC	(%)
VI	60	4-(1,1,3,3- ) ( )	140-66-9	205-426-2	0.005
VI	61	1,2-	107-06-2	203-458-1	0.005
VI	62	(2- ) ( )	111-96-6	203-924-4	0.005
VI	63	*	7778-39-4	231-901-9	0.01
VI	64	*	7778-44-1	231-904-5	0.01
VI	65	*	3687-31-8	222-979-5	0.01
VI	66	N,N- (DMAC)	127-19-5	204-826-4	0.005
VI	67	4,4'- (2- ) (MOCA)	101-14-4	202-918-9	0.005
VI	68		77-09-8	201-004-7	0.005
VI	69	*	13424-46-9	236-542-1	0.01
VI	70	2,4,6- ( )*	15245-44-0	239-290-0	0.01
VI	71	*	6477-64-1	229-335-2	0.01
VII	72	1,2- (2- )	112-49-2	203-977-3	0.01
VII	73		110-71-4	203-794-9	0.01
VII	74	*	1303-86-2	215-125-8	0.01
VII	75		75-12-7	200-842-0	0.01
VII	76	*	17570-76-2	401-750-5	0.01
VII	77		2451-62-9	219-514-3	0.01
VII	78	-	59653-74-6	423-400-0	0.01
VII	79	4,4'- (N,N- ) ( )	90-94-8	202-027-5	0.01
VII	80	4,4'-( ) ( )	101-61-1	202-959-2	0.01
VII	81	C.I. 3 ***	548-62-9	208-953-6	0.01
VII	82	C.I. 26 ***	2580-56-5	219-943-6	0.01
VII	83	C.I. 4 ***	6786-83-0	229-851-8	0.01
VII	84	, - [( ) ]-4-	561-41-1	209-218-2	0.01
VIII	85		1163-19-5	214-604-9	0.05
VIII	86	4- , , 9 9 UVCB	-	-	0.05
VIII	87		123-77-3	204-650-8	0.05
VIII	88		-	-	0.05
VIII	89		2058-94-8	218-165-4	0.05
VIII	90		72629-94-8	276-745-2	0.05

			CAS	EC	(%)
VIII	91	- , - , -	85-42-7 13149-00-3 14166-21-3	201-604-9 236-086-3 238-009-9	0.05
VIII	92	4- , 1- , 3-	25550-51-0 19438-60-9 48122-14-1 57110-29-9	247-094-1 243-072-0 256-356-4 260-566-1	0.05
VIII	93		376-06-7	206-803-4	0.05
VIII	94	(DIPP)	605-50-5	210-088-4	0.05
VIII	95	1,2-	84777-06-0	284-032-2	0.05
VIII	96		776297-69-9	--	0.05
VIII	97		625-45-6	210-894-6	0.05
VIII	98		307-55-1	206-203-2	0.05
VIII	99		629-14-1	211-076-1	0.05
VIII	100	3- -2- -2-(3- )	143860-04-2	421-150-7	0.05
VIII	101	2,4-	95-80-7	202-453-1	0.05
VIII					



			CAS	EC	(%)
XI	154	, ; *****	15120-21-5 11138-47-9	239-172-9 234-390-0	0.01
XI	155	, *****	7632-04-4	231-556-4	0.01
XII	156	2-(2H- -2- )-4,6- (UV328)	25973-55-1	247-384-8	0.01
XII	157	2-(2'- -3',5'- )- (UV-320)	3846-71-7		

			CAS	EC	(%)
XVI	171	(PFDA)	3108-42-7 335-76-2 3830-45-3	221-470-5 206-400-3 -	0.01
XVI	172	4-(1,1- ) ( )	80-46-6	201-280-9	0.01
XVI	173	4- ( / 7 UVCB 4 / )	-	-	0.05
XVII	174		-	-	0.0005
XVIII	175	( )	-	-	0.01
XVIII	176	[a]	56-55-3 1718-53-2	200-280-6	0.01
XVIII	177	*	10325-94-7 10022-68-1	233-710-6	0.01
XVIII	178	*	513-78-0	208-168-9	0.01
XVIII	179	*	21041-95-2	244-168-5	0.01

			CAS	EC	(%)
XX	196		129-00-0	204-927-3	0.01
XX	197	1,7,7- -3-( ) [2,2,1] -2-	15087-24-8	239-139-9	0.01
XXI	198	2,3,3,3- -2-( ) (HFPO-DA)	-	-	0.01
XXI	199		110-49-6	203-772-9	0.01
XXI	200	4-	98-54-4	202-679-0	0.01
XXI	201	( ) (TNPP) 4- ( ) (4-NP) 0.1 %	-	-	0.01

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1. REACH 1907/2006 33

0.1%

1)

2)

45

2. REACH 1907/2006 31 2

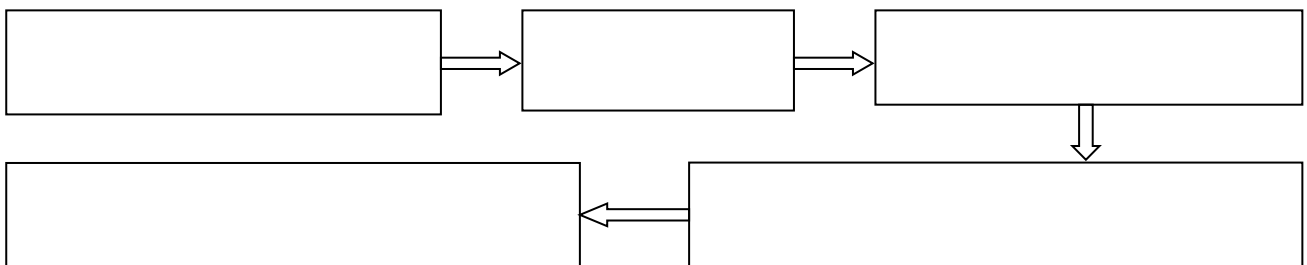
3. REACH 1907/2006 31 32 2

1) 1999/45/EC

2) 1999/45/EC

0.1%

0.2%





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- 1.
- 2.
- 3.
- 4.

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CTI

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