



453/2010

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1. / /

1.1 44415 : 28/05/2015
: STONCHEM 444 ISO : SDS

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:
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2

21

clp -

() 1272/2008

: 2 2 4 3
H331
H302
H351
H319
H334

1

H373

2

H335

3, RTI

2

H315

1

H317

22

()



4,4'

-2,4'

, 4,4'

H331

3

H302

4

:

2

H351

2

H319

H334

1

H373

2

H335

3,

RTI

2

H315

H317

1

P260

P264

P270

P280

P284

P285

P302+352

P304+340

P305+351+338

P308+313

P314

P333+313

P341

P342+311

2.3

XIII.

3. /

3.2

<u>CAS</u>	<u>EINEC</u>	<u>EEC</u>	<u>%</u>
101-68-8	202-966-0	4,4'	50-75
25686-28-6	500-040-3	4,4'	10-25
5873-54-1	227-534-9	-2,4'	10-25

<u>CAS</u>	<u>REACH</u>	<u>CLP</u>	<u>CLP</u>	<u>M-</u>
101-68-8		GHS07-GHS08	H315-317-319-332-334-335-351-373	
25686-28-6		GHS07-GHS08	H315-317-319-332-334-335-351-373	
5873-54-1		GHS06-GHS08	H315-317-319-334-335-351-373-301-330	
		CLP	()	16.

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6.

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6.2

6.3

6.4

13).

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7.

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0

7.3

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(RU)

	% TWA ppm	(TWA mg/m3	(OEL
4,4'	50-75				
4,4'	10-25				
-2,4'	10-25			/ 3	

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0 0 00 : 0 0 0 0 0 0 0 0 0 0

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0 0 0 0 0 0 0 0 0 0

4,4'-

EC:

CAS:

202-966-0

101-68-8

DNELs -

						20 mg/kg bw/d		
	0.1 mg/m ³	0.1 mg/m ³	0.05 mg/m ³	0.05 mg/m ³	0.05 mg/m ³	0.05 mg/m ³	0.025 mg/m ³	0.025 mg/m ³
	28.7 mg/cm ²	50 mg/kg bw/d			17.2 mg/cm ²	25 mg/kg bw/d		

PNEC's -

	PNEC
	>1 mg/l
	>0.1 mg/l
Microorganisms in sewage treatment	>1 mg/l
()	>1 mg/kg

-2,4'

EC:

CAS:

227-534-9

5873-54-1

DNELs -

						20 mg/kg bw/d		
	0.1 mg/m ³	0.1 mg/m ³	0.05 mg/m ³	0.05 mg/m ³	0.05 mg/m ³	0.05 mg/m ³	0.025 mg/m ³	0.025 mg/m ³
	28.7 mg/cm ²	50 mg/kg bw/d			17.2 mg/cm ²	25 mg/kg bw/d		

PNEC's -

	PNEC
	>1 mg/l
	>0.1 mg/l
Microorganisms in sewage treatment	>1 mg/l
()	>1 mg/kg

9.

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pH

/
 / (°C)
 , (°C) 110
 (,)
 /

APPROX. 4×10^{-6} @ 20C
 APPROX. 8.5

/
 / : n-
 /
 450 Cps

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 / : 52 (A B) ASTMd2369
 (/ 3) 1.190

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(2), (), (NOx),

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LD50:

LC50:

STOT-

STOT-

CAS	EEC	LD50	LD50	LC50
101-68-8	4,4'	15000 mg/kg oral		43 ppm vapor 4 hrs
5873-54-1	-2,4'	100 mg/kg Intraperitoneal, Rabbit		0.49 mg/l (4 h, Aerosol. rat)

12

121 :
 EC50 48hr ():
 IC50 72hr ():
 LC50 96hr ():

122 :

123 :

124 :

125 :

/

XIII.

126

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CAS	EEC	EC50 48hr	IC50 72hr	LC50 96hr
101-68-8	4,4'	>1000 mg/l		>1000 mg/l
25686-28-6	4,4'			
5873-54-1	-2,4'			

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080501
150110

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14.1

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14.5

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EmS:

14.7

73/78 II

15.

15.1

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MAL :

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WGK :

15.2

16.

CLP, 3 :

- H301
- H315
- H317
- H319
- H330
- H332
- H334
- H335
- H351
- H373

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3E

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VI

67/548/EEC

67/548/EEC -

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1999/45/EC

() 1272/2008

(CLP

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2000/532/

" "

&

CLP CLP (,)

- CAS
- EINECS
- REACH

REACH (, ,)

- LTEL
- STEL
- OEL
- ppm
- / 3

- ACGIH
- OSHA
- PEL

/
/
N/A
LD50
LC50
EC50
IC50
PBT
vPvB

50 %

50 %

ADR
RID

1978
IBC

, 1973,