

	57J/5760	. 1 15
	<b>70</b>	2014 .
	( ) 1907/2006,	2014 .

# 70

: , , \*

**1:**

- 1.1. .... **70**
- 1.2. , ,  
 , .....
- 1.3. **CHEMINOVA A/S**  
 P.O. Box 9  
 DK-7620 Lemvig  
 Denmark  
[sds@cheminova.dk](mailto:sds@cheminova.dk)
- 1.4. .... : +359 2 915 44 09 112 ” . . “ \_

**2:**

- 2.1. . 16 .  
 CLP : 4 (H302)  
 : 4 (H332)  
 1272/2008, , : 1 (H400)  
 : 1 (H410)  
 Xn;R20/22 R53  
 DPD  
 1999/45/ ,  
 .... II:  
 2009  
 .....



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2.2.

.....  
 \_\_\_\_\_ ( ) 1272/2008,  
 ..... 70

GHS09) (GHS07,



H302 .....  
 H332 .....  
 H410 .....

EUH401 .....

P264 .....  
 P271 .....

P301+P330 ..... :  
 P304+P340 ..... :

P312 .....

P501 ..... /

..... 1999/45/ ,  
 ..... Xn



R-  
 R20/22 .....  
 R53 .....

S-  
 S23 .....  
 S36 .....  
 S61 .....



	57J/5760	.3 15
	<b>70</b>	2014 .

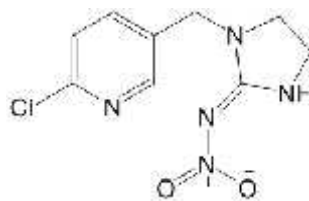
2.3. .... PBT vPvB.

Á	3:	/
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3.1. ....

3.2. .... 16

..... : 70% w/w  
CAS ..... 2- , 1-[(6- -3- ) ]-N-  
CAS ..... 138261-41-3  
IUPAC ..... 1-(6- -3- ) -N- -2-  
ISO .....  
EC (ELINCS ) ..... 428-040-8  
EU ..... 612-252-00-4  
CLP : 4 (H302) , : 1 (H400) : 1 (H410)  
DSD Xn;R22 N;R50/53



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	<b>70</b>	2014 .

	CAS (% w/w)	EC (EINECS )	CLP	DSD
,	10 68512-34-5		2 (H319)	Xi;R36
-	2 577773-56-9		2 (H319)	Xi;R36

**4:**

4.1.

.....

.....

.....

.....

.....

4.2.

4.3.

.....





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	<b>70</b>	2014 .

[GHS]

( 4, 6).

6.4.

..

7.1.

8.2.

13

**7:**

7.1.

.....

8.

8.



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	<b>70</b>	2014 .

7.2.

-10 40°C.

13

7.3.

( ) ( )  
( ) .....

<b>8:</b>	/
-----------	---

8.1.

DNEL, ..... 0,08 / /  
 DNEL, ..... 0,007 / /  
 PNEC, ..... 0,036 /

8.2.



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	<b>70</b>	2014 .



.....



.....



.....

(PE).

Á **9:**

9.1.

..... ( )  
 .....  
 pH ..... 1% : 10,46 25°C  
 /  
 /

.....  
 .....  
 ( / )  
 .....

/  
 ..... :  $4 \times 10^{-10}$  20°C  
 .....  
 .....  
 .....  
 : 0,60 / <sup>3</sup>  
 : 0,64 / <sup>3</sup>



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	<b>70</b>	2014 .

( ) ..... 20°C :

1,2 /

n- < 0,1 /

0,61 /

: n- : log K<sub>ow</sub> = 0,57 20°C

/

> 400°C

.....

.....

.....

.....

.....

9.2.

.....

**10:**

10.1.

.....

10.2.

.....

10.3.

10.4.

.....

10.5.

.....

10.6.

5.2.

Á

**11:**

11.1.

\* =

.....

.....

( )

-

LD<sub>50</sub>,

,

: 1044 /

(

OECD 425)

-

LD<sub>50</sub>,

,

: > 2000 /

(

OECD 402)\*

-

LC<sub>50</sub>,

,

( ):

> 5,10 / /4

(

OECD

403)

LD<sub>50</sub>,

,

( ):

4,36 / /4

/

(

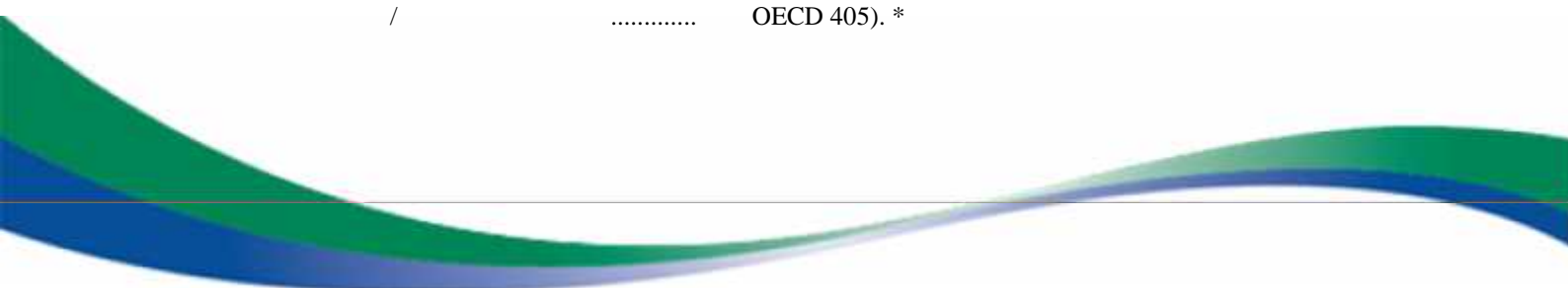
OECD 404). \*

/

.....

OECD 405). \*

(



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	<b>70</b>	2014 .

/ ..... ( OECD 429). \*

.....  
.\*

: - ,

\_\_\_\_\_ ,

.....

:

( ) - LD<sub>50</sub>, ( ): 379 - 648 / ( OECD 401)

- LD<sub>50</sub>, : > 5000 / ( OECD 402) \*

- LC<sub>50</sub>, : > 0,069 / /4 ( OECD 403) \*

/ ( OECD 404). \*

( OECD 405). \*

/ .....

( OECD 406). \*

/ .....

.....

OECD 476  
OECD 473.

( OECD 483). \*

.....

( OECD 451 453). \*

.....

416). ( OECD 414). \*

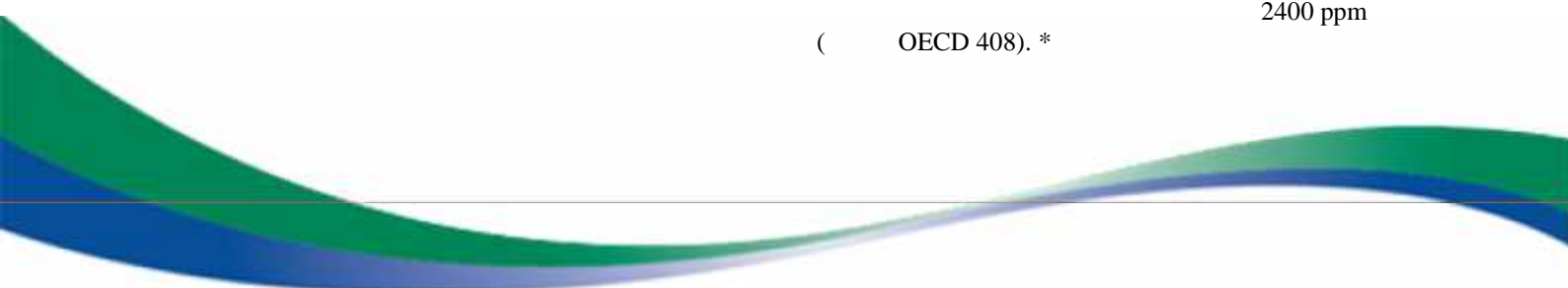
-

.\*

-

NOAEL: 150/600 ppm, 14,0 / /  
83,3 / / ,  
600 ppm ( ) 2400 ppm ( )  
2400 ppm

( OECD 408). \*



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	<b>70</b>	2014 .

.....  
 \*  
 ( ) - LD<sub>50</sub>, , :  
 - LD<sub>50</sub>, , :  
 - LC<sub>50</sub>, , :  
 / .....

.....  
 \*  
 ( ) - LD<sub>50</sub>, , : > 5000 /  
 - LD<sub>50</sub>, , :  
 - LC<sub>50</sub>, , :  
 / .....\*  
 / - .....

<b>12:</b>
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12.1. ....

- .....
- (Oncorhynchus mykiss) ..... 96 -LC<sub>50</sub>: > 100 /
  - (Daphnia magna) ..... 48 EC<sub>50</sub>: > 100 /
  - (Pseudokirchneriella subcapitata) ..... 72 IC<sub>50</sub>: > 100 /
  - (Colinus virginianus) ..... LD<sub>50</sub>: 1055 /
  - Eisenia fetida ..... 14 LC<sub>50</sub>: 15 /
  - (Apis mellifera L.) ..... 48 LD<sub>50</sub>, , : 0,0036 /
  - 48 LD<sub>50</sub>, : 0.028 /

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	<b>70</b>	2014 .

- :
- *(Hyalella azteca)* ..... 96 -LC<sub>50</sub>: 0,526 /
  - (Mysidopsis bahia)* ..... 96 -LC<sub>50</sub>: 0,0341 /
  - *(Coturnix coturnix* LD<sub>50</sub>: 31 /
  - japonica)* ..... 5 LD<sub>50</sub>: 2225 ppm

12.2.

12.3.

12.4.

12.5.

**vPvB** ..... **PBT** ..... **PBT**  
vPvB.

12.6.

<b>13:</b>
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13.1.

(2008/98/ )



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	<b>70</b>	2014 .

.....

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

**14:**

*ADR/RID/IMDG/IATA/ICAO*

- 14.1. .... 3077
- 14.2. Environmentally hazardous substance, solid, n.o.s.  
..... ( ) ( , n.o.s. ( ) )
- 14.3. ( ) ..... 9
- 14.4. .... III
- 14.5. ..
- 14.6. ....
- 14.7. ....

**II MARPOL 73/78**

**IBC** .....

**15:**

15.1. Seveso I . 2012/18/ :  
/ ,

15.2. ....

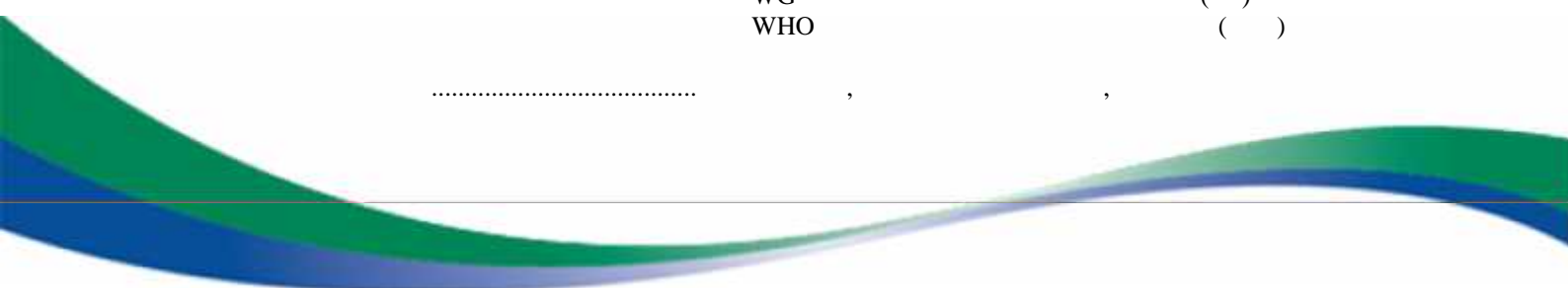


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	<b>70</b>	2014 .

**A 16:**

.....  
 ..... CAS  
 CLP , ;  
 1272/2008,  
 Dir. ( . )  
 DNEL  
 DPD ;  
 1999/45/ , ;  
 DSD ;  
 67/548/ ,  
 E ( )  
 EC<sub>50</sub>  
 EINECS  
 ELINCS  
 GHS  
 , 2013 .  
 IBC  
 IC<sub>50</sub>  
 ISO  
 IUPAC  
 LC<sub>50</sub>  
 LD<sub>50</sub>  
 LOEL , -  
 MARPOL ( )  
 NOAEL  
 N.o.s.  
 OECD ( )  
 PBT ,  
 PNEC  
 Reg. ( . )  
 R-  
 S-  
 STOT ( )  
 vPvB  
 WG ( )  
 WHO ( )

..... , ,



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	<b>70</b>	2014 .

.....

CLP ..... H302  
H319  
H332  
H400  
H410  
EUH401

R- ..... R20/22  
R22  
R36  
R50/53  
R53

.....

/ .

: Cheminova A/S /GHB

