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**1907/2006/**

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**1:**

**1.1**

**1.2**

**1.3.** :

. - - 11  
-69514

+49/6201/708-(0)-503

+49/6201/708-427

[sicherheitsdatenblaetter@detia-degesch.de](mailto:sicherheitsdatenblaetter@detia-degesch.de)

**1.4.** :

+49/6201/708-(0)-503

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**2:**

**2.1.**

GHS02, GHS06, GHS09



:

:

H260 -

H300 -

H311 -

H319 -

H400 -

EUH029 -

:-

EUH032 -

:

P223:

P232:

P234:

P273:

P280:

/ / /

P301+P310:

:

P321:

:

, ( . Ventolair® 100)

( ).

P335:

P370+P378:

:

P402+P404:

P405:

P501:

/

67/548/

1999/45/

:

F, T+, N



:

**R-**

:

15/29 -

21 -

26/28 -

32 -

36 -

50 -

**S-**

:

1/2 -

: 13.01.2011

. 3/11

:-

3/9/14/49 -

7/8 -

30 -

36/37/39 -

/

43 -

CO<sub>2</sub>.

45 -

60 -

61 -

2.2.

67/548/EEC

1999/45/EC

2.3.

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3: /

3.1.

3.2.

/	/	/ R-	/ CAS-No
56%	F, T+, N	R 15/29-21-26/28-32-50	CAS No. 20859-73-8
	GHS02,	H260	
	GHS06,	H300- H311- H319	
	GHS09,	H400	

>20%	Xn	R 22-36	CAS-No. 1111-78-0
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4:

4.1

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( Ventolair<sup>®</sup> ).

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4.2.

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4.3.

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(

(Ventolair®)

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5.

5.1

CO<sub>2</sub>

5.2

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(

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5.3.

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6.

6.1

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6.2

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6.3

. 13.

6.4.

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7: /

7.1 : GefStoffV, TRGS500),

- , / /
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7.2 , (TRGS514).

7.3 VCI : 4.3 . 7.1 7.2

8. /

8.1 ( **TRGS900** ) : 0.1 ml/m<sup>3</sup> (ppm), 0.14 mg/m<sup>3</sup> CAS-No. 7803-51-2 <sup>(1b)</sup> : 0.02 3 ppm, (TRGS402)

: (DIN EN 141) : (AQL: 1.5), EN-374-2 EN374-3

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(EN 166:2001)

:

BGR 189 (ATL: “

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**8.2.**

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. .6 7

**9.**

**9.1**

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pH-

(20<sup>0</sup>C):

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(<sup>0</sup>C):

/

(<sup>0</sup>C):

> 500<sup>0</sup>C<sup>11)</sup>

,

<sup>0</sup>C:

:

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.%:

: 1,8<sup>1a)</sup> (1.79-1.89)

:

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:

: 34.6 bar (20<sup>0</sup>C)<sup>9)</sup>

:

:

: 2.0147<sup>12)</sup>

:

/

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(n- / ):

**9.2**

**10.**



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12.

12.1

:  $50$  ( , 96 ) = 7,98  $\mu\text{g/l}$  <sup>6)</sup>  
 $50$  (*Daphnia magna*, 24 ) = 0.18  $\text{mg/l}$  <sup>7)</sup>  
 $r_{50}$  (*Selenastrum capricornutum*, 48 ) = 1,44  $\text{mg/l}$  <sup>16)</sup>

12.2

5 – 28 <sup>8)</sup>

12.3

Log Pow = 0.9 PH<sub>3</sub>

12.4

12.5

( PBT ( , ) vPvB , . ) , .

12.6

: 2 –

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13.

13.1

/ / : : #: 061301,  
 , #: 060316,  
:

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14.

14.1 UN  
1397

14.2 UN  
ADR/RID



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**IMDG-**

**ICAO-TI/IATA-DGR**

**14.3**

4.3(6.1)

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**14.4**

: I

**14.5**

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**14.6**

ADR:

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20

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3.4

No. 3 GGAV

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IMDG- : EmS- : F-G, S-N

IMDG-Code: EmS-Code: F-G, S-N

ICAO-TI/IATA-DGR:

: 487,

: . 1 /

, 15 /

**14.7**

**II MARPOL73/78 IBC –**

**15.**

**15.1**

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**2037/2000/**

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**689/2008/**

(

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(GefStoffV) TRGS500

TRGS514 (

)

: 13.01.2011

. 10/11

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TRGS900

: 2 -

15.2

. CA-

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16.

‘ N 31.5.2010

L133/43

453/2010

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1999/45/ ,  
67/548/ ,  
1907/2006/ / REACH,  
1272/2008 / ,

1907/2006  
2009/2/  
453/2010  
790/2009.

. 2 3:

1272/2008

GHS02, GHS06, GHS09

H260 -  
H300 - e  
H311 -  
H319 -  
H400 -  
EUH029 -  
EUH032 -

67/548/

15/29 -  
21 -  
26/28 -  
32 -  
36 -  
50 -

: -

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