



1.1

μ μ : **Original ATE Brake Fluid DOT 3 G (yellow)**

1.2

μ : 03.9901-53xx.x / 7053xx

1.3

Continental Aftermarket GmbH  
Guerickestr. 7  
60488 Frankfurt a. M.  
Tel: +49-69-76031  
Fax: +49-69-761061

Gefahrstoffmanagement Konzern, Zentrales Materiallabor  
ate.sicherheit@contiautomotive.com

1.4 μ : +49-6132-84463

2: μ

2.1

μ μ μ μ μ μ μ ( ) . 1272/2008  
μ CLP.

μ μ μ 67/548/ 1999/45/

2.2

μ μ μ μ μ ( ) . 1272/2008

2.3

: μ μ μ  
: μ μ μ

3: /

3.2

μ : μ : μ  
μ : μ μ μ μ μ .

μ :		
CAS: 161907-77-3 μ C: 310-287-7	Ethanol, 2-butoxy-, manufacture of, by-products from Xi R41 Eye Dam. 1, H318	<20%
CAS: 111-46-6 EINECS: 203-872-2	2,2' Xn R22 STOT RE 2, H373; Acute Tox. 4, H302	<10%
CAS: 111-77-3 EINECS: 203-906-6	2-(2-μ ) Xn R63 Repr. Cat. 3 Repr. 2, H361d	<3%





μ μ

: 30.05.2015

μ

6

: 30.05.2015

μ  
1907/2006/EK,

31

μ μ : Original ATE Brake Fluid DOT 3 G (yellow)

( 2)

\* 7: μ

7.1 μ μ μ / μ .

7.2 : μ , μ μ μ μ μ .

μ : μ : μ . μ μ .

μ : 10 .

7.3 .

\* 8: / μ

μ μ , 7. μ :

8.1 μ

μ μ	
: μ μ	
111-77-3 2-(2-μ )	
TWA	: 50,1 mg/m <sup>3</sup> , 10 ppm
<b>DNELs</b>	
112-35-6 2-(2-μ ) )	
μ	DNEL Public long-term systemic 2 mg/kg bw/d (-)
μ	DNEL Public long-term systemic 20 mg/kg bw/d (-)
	DNEL Worker long-term systemic 40 mg/kg bw/d (-)
	DNEL Public long-term systemic 93 mg/m <sup>3</sup> (-)
	DNEL Worker long-term systemic 156 mg/m <sup>3</sup> (-)
111-46-6 2,2'	
μ	DNEL Public long-term systemic 53 mg/kg bw/d (-)
	DNEL Worker long-term systemic 106 mg/kg bw/d (-)
	DNEL Public long-term local effects 12 mg/m <sup>3</sup> (-)
	DNEL Worker long-term local effects 60 mg/m <sup>3</sup> (-)
112-27-6 2,2'-	
μ	DNEL Public long-term systemic 20 mg/kg bw/d (-)
	DNEL Worker long-term systemic 40 mg/kg bw/d (-)
	DNEL Public acute/short-term local effects 25 mg/m <sup>3</sup> (-)
	DNEL Worker acute/short-term local effects 50 mg/m <sup>3</sup> (-)
<b>PNECs</b>	
112-35-6 2-(2-μ ) )	
μ	PNEC oral food 89 mg/kg (-)
	PNEC STP 200 mg/L (-)

( 4)

GR



μ μ : Original ATE Brake Fluid DOT 3 G (yellow)

	PNEC aqua (fresh water)	10 mg/L (-)
	PNEC aqua (intermittent releases)	50 mg/L (-)
	PNEC aqua (marine water)	1 mg/L (-)
	PNEC sediment (fresh water)	36,6 mg/kg sedim dw (-)
	PNEC sediment (marine water)	0,8 mg/kg sedim dw (-)
	PNEC soil	1,73 mg/kg soil dw (-)
<b>111-46-6 2,2'</b>		
	PNEC STP	199,5 mg/L (-)
	PNEC aqua (fresh water)	10 mg/L (-)
	PNEC aqua (marine water)	1 mg/L (-)
	PNEC sediment (fresh water)	20,9 mg/kg sedim dw (-)
	PNEC soil	1,53 mg/kg soil dw (-)
<b>112-27-6 2,2'-</b>		
	PNEC STP	10 mg/L (-)
	PNEC aqua (fresh water)	10 mg/L (-)
	PNEC aqua (intermittent releases)	10 mg/L (-)
	PNEC aqua (marine water)	1 mg/L (-)
	PNEC sediment (fresh water)	46 mg/kg sedim dw (-)
	PNEC soil	3,32 mg/kg soil dw (-)

8.2

μ μ μ :  
μ μ / μ / μ .  
μ : μ .  
( ) . selfcontained μ , μ μ  
:  
/ μ . μ , μ  
μ . μ  
μ μ , μ  
( ) : 180 min;  
NBR ( : 0,7 ) : 30 ; : 0,4  
μ μ :  
μ 6 7. μ .

\* **9: μ**

**9.1 μ**

:  
:

( 5)  
GR



μ μ

: 30.05.2015

μ  
1907/2006/EK,  
μ 6

31

: 30.05.2015

μ μ : Original ATE Brake Fluid DOT 3 G (yellow)

		(	4)
μ :	μ :	μ :	μ .
μ pH	20 °C:	7,5 - 10 (FMVSS 116)	
μ	/	:	> 245 °C (FMVSS 116)
μ	:	> 130 °C (ASTM D 7094 (closed cup))	
μ	(	,	μ μ
μ	:	230 °C (DIN 51794)	
μ	:	>360 °C (DSC)	
		:	.
		:	.
μ	:	1,5 Vol %	
μ	20 °C:	< 10 hPa	
		20 °C:	1,04 g/cm <sup>3</sup>
μ	μ	μ .	μ .
:	μ	μ .	μ .
		μ	μ .
		μ (n-Octanol/ 2 )	μ .
μ	:	μ .	μ .
μ	20 °C:	14,5 - 17 mm <sup>2</sup> /s (FMVSS 116)	
		:	37,9 %
		:	0,1 %
9.2	:		

\* 10:

10.1			
10.2	μ	/	μ
10.3		μ	μ
10.4			
10.5	μ	:	
10.6		:	



μ μ

: 30.05.2015

μ  
1907/2006/EK,  
μ 6

31

: 30.05.2015

μ μ : Original ATE Brake Fluid DOT 3 G (yellow)

( 5)

\* **11:**

11.1

μ	μ	-LD/LC50
μ	LD50	>2000 mg/kg (-)

μ : μ .  
μ : μ .

\* **12:**

12.1

EC50	>15000 mg/l (bacteria)
LL50	596 mg/L (fish) (DIN 38412)

12.2 : μ

12.3

12.4 :  
- 1 ( μ μ ):

12.5 : μ μ μ μ

12.6 : μ μ

\* **13:** μ

13.1

91/689/ μ μ 75/442/

: μ μ

: μ μ

\* **14:** μ μ

14.1	μ UN
ADR, ADN, IMDG, IATA	
14.2	μ
ADR, ADN, IMDG, IATA	
14.3	/ μ
ADR, ADN, IMDG, IATA	

( 7)



μ μ μ  
1907/2006/EK, 31

μ μ

: 30.05.2015

μ

6

: 30.05.2015

μ μ : Original ATE Brake Fluid DOT 3 G (yellow)

( 6)

14.4 μ  
ADR, IMDG, IATA

14.5  
Marine pollutant:

14.6

μ μ

14.7 μ μ μ  
μ II μ μ MARPOL 73/78  
IBC μ μ

UN "Model Regulation":

UN-, -

\* 15:

μ μ

15.1 μ / μ μ ,  
μ μ

15.2 μ : μ μ .

\* 16:

μ μ μ ,

H302

H318

H361d

H373

R22

R41

R63

μ μ :  
Abteilung Gefahrstoffmanagement  
industriehygiene@conti.de

μ :  
ADR: Accord européen sur le transport des marchandises dangereuses par Route (European Agreement concerning the International Carriage of Dangerous Goods by Road)

IMDG: International Maritime Code for Dangerous Goods

IATA: International Air Transport Association

GHS: Globally Harmonised System of Classification and Labelling of Chemicals

EINECS: European Inventory of Existing Commercial Chemical Substances

ELINCS: European List of Notified Chemical Substances

CAS: Chemical Abstracts Service (division of the American Chemical Society)

DNEL: Derived No-Effect Level (REACH)

PNEC: Predicted No-Effect Concentration (REACH)

LC50: Lethal concentration, 50 percent

LD50: Lethal dose, 50 percent

Acute Tox. 4: Acute toxicity, Hazard Category 4

Eye Dam. 1: Serious eye damage/eye irritation, Hazard Category 1

Repr. 2: Reproductive toxicity, Hazard Category 2

STOT RE 2: Specific target organ toxicity - Repeated exposure, Hazard Category 2

\* μ μ μ