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: DOT 4

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2



2A H319

GHS

GHS (



GHS07

2-[2-(2-butoxyethoxy)ethoxy]ethanol

H319

P102

2)

UA

1907/2006/ ,

31

: 23.05.2016

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: 23.05.2016

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P280

P264
P305+P351+P338

P337+P313

PBT vPvB

PBT (

vPvB (

3

143-22-6	2-[2-(2-butoxyethoxy)ethoxy]ethanol 1, H318	30-50%
111-46-6	2,2'-oxybisethanol 4, H302	2,5-<10%
111-77-3	2-(2-methoxyethoxy)ethanol 2, H361; 4, H227	0,1-<2,5%
112-34-5	2-(2-butoxyethoxy)ethanol 2, H319	0,1-<2,5%

16.

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UA

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(2)

. 40 %).

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8.

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Indicative Occupational Exposure Limit Values,

111-46-6 2,2'-oxybisethanol	
PDK (RU)	: 10 mg/m ³
+	
111-77-3 2-(2-methoxyethoxy)ethanol	
IOELV (EU)	: 50,1 mg/m ³ , 10 ppm
Skin	
112-34-5 2-(2-butoxyethoxy)ethanol	
PDK (RU)	: 10 mg/m ³
IOELV (EU)	: 101,2 mg/m ³ , 15 ppm
	: 67,5 mg/m ³ , 10 ppm

5)
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: 23.05.2016

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A/P2

: 0,4



9

pH 20 °C: 7 - 11,5 (SAE J 1703)

< -50 °C (SAE J 1703)

> 260 °C (SAE J 1703)

> 100 °C (IP 35)

> 300 °C (ASTM D 286)

(6) UA

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(5)

·	20 °C:	< 2 hPa
·	20 °C:	1,02- 1,07 g/cm ³ (DIN 51757)
·	/	:
·	(- /	< 2 log POW
·	20 °C:	5 - 10 cSt (ASTM D 445)

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7)

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· ADR, ADN, IMDG, IATA

· ADR, IMDG, IATA

73/78 (

II MARPOL

IBC (

· Regulation): (UN "Model

15

GHS

GHS (



GHS07

· 2-[2-(2-butoxyethoxy)ethoxy]ethanol

· H319

16

9)
UA

1907/2006/ ,

31

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(8)

H227
H302
H318
H319
H361

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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

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)

PBT: Persistent, Bioaccumulative and Toxic

vPvB: very Persistent and very Bioaccumulative

- 4: Flammable liquids – Category 4
- 4: Acute toxicity – Category 4
 - 1: Serious eye damage/eye irritation – Category 1
 - 2: Serious eye damage/eye irritation – Category 2
 - 2A: Serious eye damage/eye irritation – Category 2A
- 2: Reproductive toxicity – Category 2

UA