

1:

/

/

, C3-4,

- ;

649-083-00-0

02-2119654521-43-0000 ()

LPG

24- -2011

01

-

-

,

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,

.

,

.

15

-

8104, .

()

+359 5511 4040

+359 5511 5555

+359 2915 4409

112

SDS@neftochim.bg

REACH@neftochim.bg

+1-760-476-3961 (333368)

2:

67/548/

1999/45/

F+;R12, Carc. Cat. 1;R45, Muta. Cat. 2;R46

() 1272/2008

1

;
;

1B

1B

.

() 1272/2008

C3-4,

649-083-00-0



3: /

y (vPvB) (PBT) y

% CAS / REACH

, C3-4, 100 68512-91-4 02-2119654521-43-0000 649-083-00-0
270-990-9 ()

: **DSD:** F+;R12, Carc. Cat. 1;R45, Muta. Cat. 2;R46

CLP: Flam. Gas 1;H220, Press. Gas;H280, Muta. 1B;H340, Carc. 1B;H350

#: ()
UVCB
1907/2006
(REACH). V

R- H- 16.

4:

15

5:

(CO₂).

800 (1/2)
800 (1/2)

nozzles)

(monitor

(monitor nozzles)

6:

8

()

13 SDS (8).

7:

()

8: /

(). No 13

-1,3-	(106-99-0)	TWA	50 mg/m3 100 mg/m3
(71-43-2)		TWA (STEL)	3,25 mg/m3
(630-08-0)		TWA	40 mg/m3
			200 mg/m3
(7783-06-4)		TWA (STEL)	14 mg/m3
			21 mg/m3
		(STEL)	

().

DNEL

-1,3-	(106-99-0)	2,21 mg/m3
(71-43-2)		23,4 mg/kg/
		3,25 mg/m3
(630-08-0)		10 mg/m³/8h
(7783-06-4)		7 mg/m³/8h

PNEC

()

CEN (

)

/

:

-

:

-

9:

pH

/

,

-187,6 - -138,3 °C (-305,7 - -216,9 °F)

-161,48 - -0,5 °C (-258,7 - 31,1 °F)

-104 - -60 °C (-155,2 - -76 °F)

287 - 537 °C (548,6 - 998,6 °F)

()

> 1,8

(%)

-

< 15

(%)

-

0,4228 - 0,589 g/cm³ at 25 °C

()

Log Kow: 1.09 - 2.8.

/

((VOC) 100 %
%) 100 %

10:

11:

(),

(),

/

/

12:

()

Log Kow: 1,09 - 2,8.

()-

vPvB

PBT

y

(vPvB)

(PBT)

y

13:

16 05 04*

()

14:

ADR

UN1965
HYDROCARBON GAS MIXTURE, LIQUEFIED, N.O.S. (Propane, butane)

()

2.1

()

- No

B/D

2.1

RID

UN1965
HYDROCARBON GAS MIXTURE, LIQUEFIED, N.O.S. (Propane, butane)

2.1

()

-

()

No

2.1 (+13)

ADN

UN1965
Hydrocarbon Gas Liquefied (Propane, butane)

() 2.1

() -

No

2.1

IATA

UN1965
Hydrocarbon gas mixture, liquefied, n.o.s. (Propane, butane)

() 2.1

() -

No

ERG

10L

IMDG

UN1965
HYDROCARBON GAS MIXTURE, LIQUEFIED, N.O.S. (Propane, butane)

() 2.1

() -

No
F-D*, S-U

EmS

73/78 II MARPOL
IBC

15:

/

() 2037/2000 , , I

() 2037/2000 , , II

() 850/2004 , I

() 689/2008 17 2008
I, 1

() 689/2008 17 2008
I, 2

() 689/2008 17 2008
, I, 3

() 689/2008 17 2008
, V

96/61/ ("EPER") (IPPC): 15,

() 1907/2006, REACH 59 (1). -

/

1 ()): () 1907/2006. 96/82/E (II);
()

94/33/ 18 ()

16:

DNEL:
PNEC:
PBT: y
vPvB:
DSD: 67/548/
CLP: 1272/2008.
LC50: , 50%.
CLP – <http://concaawe.org/>

R-

2-15

R12
R45
R46
R61
H220 -
H280 -
H340 -
H350 -

25- -2011
25- -2011
25- -2011