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1.

: (BORON TRIFLUORIDE)
 / :
 (BORON FLUORIDE); , -(BORANE, TRIFLUORO-);
 (TRIFLUOROBORANE); (TRIFLUOROBORON);
 (BF3)(BORON FLUORIDE (BF3)); BORON (III) FLUORIDE; UN 1008; BF3;
 OHS03320; RTECS ED2275000

: , 가 , ,

: Airliquide Japan

: Izumi Garden Tower 10F, 1-6-1 Roppongi Minato-ku, Tokyo 106-6010, Japan

:
 : 538 J-Tower, A 6
 : (02) 3019-2500 FAX : (02) 525-9770
 : ALK HSE


2.

: (BORON TRIFLUORIDE)
 CAS : 7637-07-2
 (EC) (EINECS): 231-569-5
 EC : 005-001-00-X
 (%): 100.0

3.

NFPA (0-4): =3 =0 =1

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6.

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: 45.7

m (150).

7.

TPQ (SARA
SARA
Section 303 TPQ
(U.S. EPA 40 CFR 355.30).

54 C


8.

(BORON TRIFLUORIDE):

- TWA : C1ppm, C3mg/m3
- STEL : -
- 1 ppm (3 mg/m3) OSHA ceiling
- 1 ppm ACGIH ceiling
- 1 ppm (3 mg/m3) NIOSH ceiling

가


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 : (" ")
 (NIOSH) /
 (OSHA)
 10 ppm
 25 ppm
 .
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9.

: 가
 :
 :
 : 67.82
 : B-F3
 : -148 F (-100 C)
 : -198 F (-128 C)
 : 760 mmHg @ -100 C
 (=1): 2.3
 :
 : 2.867 g/L
 :
 (pH):
 :
 :
 :
 : 0.0171 cP @ 25 C

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14.

U.S. DOT 49 CFR 172.101. -UN ; ; ; :
: Boron trifluoride, compressed
ID : UN1008
U.S. DOT 49 CFR 172.101 : 2.3
U.S. DOT 49 CFR 172.101 E : 가
U.S. DOT 49 CFR 172.101 :
: 1
: 1

15.

(BORON TRIFLUORIDE)

:
- :
- :
- :
:
CERCLA 103 (40CFR302.4):
SARA 302 (40CFR355.30):
(BORON TRIFLUORIDE): 500 LBS TPQ
SARA 304 (40CFR355.40):
(BORON TRIFLUORIDE): 500 LBS RQ
SARA , SARA 311/312 (40CFR370.21):
:
:
:
:
:
SARA 313 (40CFR372.65):
(BORON TRIFLUORIDE)
OSHA (29CFR1910.119):
(BORON TRIFLUORIDE): 250 LBS TQ
:
65 ():
:

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(EC) :

T+

C

/ :

T+

(EC) :

R 1 4

R 2 6

R 3 5

S 1 / 2

S 9

S 2 6

S 2 8

S 36/37/39

S 4 5 가

/

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가 :

(TSCA):

TSCA 12(b) :

16.

/ 가

(Compatibility)

MSDS (European Directives)

, 가

AIR LIQUIDE S.A.

MSDS ALK