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 : 가
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 : 가
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 : 가
 :

(OSHA):
 (NTP):
 (IARC):

4.

: , 가
 : , 가 (105-115 F; 41-46
 C) 가 ,
 : 15
 :

5.

: 가
 : 가 /
 :

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: 가

가 : 가

가 :

가 가 가

: 0.8 Km

(1/2) .

가

: 4.5%

: 100%

6.

:

1986 California Safe Drinking Water and Toxic Enforcement Act (65)

:

가

7.

:

TPQ (SARA 302)

. SARA Section 303


TPQ

(U.S. EPA 40 CFR 355.30).

8.

:

(ARSINE):

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- :
- TWA : 0.05ppm, 0.2mg/m3
 - STEL : -
 - 0.05 ppm (0.2 mg/m3) OSHA TWA
 - 0.05 ppm ACGIH TWA
 - 0.002 mg/m3 NIOSH ceiling 15

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: (" ")

(NIOSH) /

(OSHA)

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9.	
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: 77.95

: AS-H3

: -81 F (-63 C)

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: -179 F (-117 C)
 : 11362 mmHg @ 21.1 C
 (=1): 2.7
 (=1): 1.689 @ -55 C
 : 20% @ 20 C
 (pH):
 :
 : 0.5 ppm
 :
 / :
 가 :
 가 : ,

10.

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 : , , 가
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11.

(ARSINE):
 :
 390 mg/m3/10 - LC50
 : (OSHA): ; (NTP):
 ; (IARC):
 , , 1; EC: (EC)
 1
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 :
 :

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12.

13.


: D004. U.S.EPA 40 CFR 262
 - 5.0 mg/L.

14.

U.S. DOT 49 CFR 172.101. -UN ; ; ; ;
 ID : UN2188
 U.S. DOT 49 CFR 172.101 : 2.3
 U.S. DOT 49 CFR172.101 E : 가 ;
 가
 U.S. DOT 49 CFR 172.101 :
 : 1
 : 1

15.

(ARSINE)
 :
 - :
 - :
 - :
 :
 CERCLA 103 (40CFR302.4):
 SARA 302 (40CFR355.30):
 (ARSINE): 100 LBS TPQ
 SARA 304 (40CFR355.40):
 (ARSINE): 100 LBS RQ
 SARA , SARA 311/312 (40CFR370.21):
 :
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 :

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:
 SARA 313 (40CFR372.65):
 가 (as As)(ARSENIC AND INORGANIC COMPOUNDS (as As))
 OSHA (29CFR1910.119):
 (ARSINE): 100 LBS TQ


:
 65 ():
 :
 가 (as As)(ARSENIC AND INORGANIC COMPOUNDS (as
 As))
 (02 27, 1987)
 (05 01, 1997)

:
 (EC) :
 F+
 T+
 Xn
 N

/ :
 F+
 T+
 N

(EC) :
 R 1 2
 R 2 6
 R 48/20 :
 R 50/53

S 1 / 2
 S 9
 S 1 6
 S 2 8
 S 3 3

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S 36/37

S 45 가

. (가
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S 60 /

S 61

가 :
(TSCA):

TSCA 12(b) :

16.

/ 가

(Compatibility)

MSDS (European Directives) , 가

AIR LIQUIDE S.A. MSDS ALK