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**1.**

: (FLUORINE)  
 / :  
 (DIATOMIC FLUORINE); (DIFLUORINE); RCRA P056; UN  
 1045; STCC 4904030; F2; OHS09920; RTECS LM6475000  
 :  
 : (AL 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.**

: (FLUORINE)  
 CAS : 7782-41-4  
 (EC) (EINECS): 231-954-8  
 EC : 009-001-00-0  
 (%): 100.0

**3.**

NFPA (0-4 ): =4 =0 =4  
 (EC) :  
 T+  
 C  
 R 7-26-35  
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**5.**

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**6.**


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**7.**

: U.S. OSHA 29 CFR  
 1910.101.  
 , , . TPQ ( SARA 302 )  
 . SARA Section 303  
 TPQ (U.S.EPA 40 CFR  
 355.30).

**8.**

:  
 (FLUORINE):  
 :  
 - TWA : 0.1ppm, 0.2mg/m3  
 - STEL : -  
 0.1 ppm (0.2 mg/m3) OSHA TWA

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1 ppm (2 mg/m3) ACGIH TWA  
 2 ppm (4 mg/m3) ACGIH STEL  
 0.1 ppm (0.2 mg/m3) NIOSH TWA 10  
 0.2 mg/m3 (0.1 ml/m3) DFG MAK 1 /


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 :  
 (" " )  
 (NIOSH) /

(OSHA)  
 1 ppm  
 2.5 ppm  
 5 ppm  
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 ( ).  
 25 ppm  
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**9.**

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 : 37.996



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: 가 :

**12.**

: >60000 ug/L 4 EC50 ( )

**13.**

: U.S. EPA 40 CFR 262. : P056.


**14.**

U.S. DOT 49 CFR 172.101. -UN ; ; ; :  
, -UN1045; 2.3; 가 ; ;

**15.**

(FLUORINE)

- :
- :
- :
- :
- :
- TSCA :
- TSCA 12(b) : .
- CERCLA 103 (40CFR302.4):  
(FLUORINE): 10 LBS RQ
- SARA 302 (40CFR355.30):  
(FLUORINE): 500 LBS TPQ
- SARA 304 (40CFR355.40):  
(FLUORINE): 10 LBS RQ
- SARA 313 (40CFR372.65):  
(FLUORINE)
- SARA , SARA 311/312 (40CFR370.21):
- :
- :
- :

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<b>( ) (Fluorine)</b>			

:  
 :  
 OSHA (29CFR1910.119):  
 (FLUORINE): 1000 LBS TQ

:  
 65 ( ):  
 :  
 (EC) (EINECS): 231-954-8

(EC) :  
 R 7  
 R 26  
 R 35  
 S 1/2  
 S 9  
 S 26  
 S 36/37/39 /  
 S 45 가 . (가  
 .).

**16.**

가  
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 .  
 (Compatibility)  
 MSDS (European Directives) , 가  
 AIR LIQUIDE S.A. MSDS ALK