

	(Material Safety Data Sheet)	Doc.No.	MSDS-N-003
		Rev.No.	1
		Date	Apr.15.2005
(Nitrogen)		Pages	1 / 6

1.

: 가 (Nitrogen, Compressed)
 • : (Nitrogen)
 • / : 가 (Nitrogen gas), (Gaseous Nitrogen), GAN
 • : N2


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

2.

: > 99%
 • CAS : 7727-37-9
 • (Exposure Limits)
 1) OSHA : PEL-TWA (Not established)
 2) ACGIH: TLV-TWA (Simple asphyxiant)
 3) NIOSH : IDLH (Not established)

3.

• (Emergency overview) , ,
 가 , 19.5%
 가 .
 (SCBA) .
 • : 061-690-9700(24 /365)
 •
 1) : (Not adverse effect)
 2) : (Not Applicable)
 3) : 가 . ,
 . ,
 .
 •
 1) : (inhalation)
 2) (Target organ) :

 AIR LIQUIDE	(Material Safety Data Sheet)	Doc.No.	MSDS-N-003
		Rev.No.	1
		Date	Apr.15.2005
		(Nitrogen)	

가 19.5%

- : 가 19.5%
- : (Safety glasses)
- :

9.

- : , 가
- : 28.01 • (1) : -195.8
- (=1) : 0.967
- (21.1 , 1) : 0.867 m³/kg
- / : -209.9
- : 21.1
- (21.1 , 1) : 1.153kg/m³
- (/ , 0) : 0.023

10.


- (Chemical stability) : (stable)
- :
- (Incompatibility) :
- (Reactivity)
 - 1) :
 - 2) :

11.

- 가 .

12.

- 78% .
- Class1 Class2 ,
- DOT() (Marine Pollutants) .

 AIR LIQUIDE	(Material Safety Data Sheet)	Doc.No.	MSDS-N-003
		Rev.No.	1
		Date	Apr.15.2005
(Nitrogen)		Pages	5 / 6

13.


- : 가
- : 가

14.

- (Hazard Class) : 2.2
 - (Identification Number) : UN1066 • (Shipping Label): 가 (Nonflammable Gas)
 - 가 (Nitrogen,Compressed) - 3/4 -
 - 가 (Nitrogen,Compressed) - 4/4 -
 - : 가
 - 가 ,
 - : 가 가 가 ,
- (49 CFR 173.301)

15.

- :
- 1) :
- 2) :
- 3) :
- 4) 가 : , , ,
- :
- 1) CERCLA (40CFR Parts 117 302): Reportable Quantity(RQ)
- 2) SARA 302/304 (40CFR 355):
- 3) SARA 311/312 (40 CFR 370):
- : , : , : , : , :
- 4) SARA 313 (40 CFR 372):

 AIR LIQUIDE	(Material Safety Data Sheet)	Doc.No.	MSDS-N-003
		Rev.No.	1
		Date	Apr.15.2005
(Nitrogen)		Pages	6 / 6

5) TSCA(Toxic Substance Control Act) : TSCA

6) OSHA (29CFR1910.119):

16.

- NFPA (N2)
 - 1) (Health) : 0
 - 2) 가 (Flammability) : 0
 - 3) (Reactivity) : 0
 - 4) (Special) : SA (Simple Asphyxiant :) NFPA
(The National Fire Protection Association(NFPA) System of Hazard Identification)

- HMIS (N2)
 - 1) (Health) : 0
 - 2) 가 (Flammability): 0
 - 3) (Reactivity) : 0
 HMIS NPCA
 Hazardous Material Identification System (National Paint and Coating Association- NPCA)

가

가

(Compatibility)

MSDS (European Directives) , 가

AIR LIQUIDE S.A. MSDS ALK