



: 1/10

/ : 20.03.2013 : 1.0  
: Ingersoll Rand® Ultra EL™ Synthetic Rotary Coolant

MSDS 41

(30561549/SDS\_GEN\_KR/KO)

22.03.2013

1.

## Ingersoll Rand® Ultra EL™ Synthetic Rotary Coolant

/ :  
Distributed by  
Ingersoll Rand  
800D Beaty St.  
Davidson, NC 28036, USA

:  
U.S. 24-hour Emergency #: 800-424-9300  
Outside the U.S. Emergency #: +01 703-527-3887

2.

41

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3.

가 ,

Benzenamine, N-phenyl-, reaction products with 2,4,4-trimethylpentene

(W/W): >= 1 % - < 3 %

CAS : 68411-46-1

: KE-28307

Propanoic acid, 3-[[bis(2-methylpropoxy)phosphinothioyl]thio]-2-methyl-

(W/W): >= 0.1 % - < 0.2 %

CAS : 268567-32-4

가 : 2001-3-1774

4.

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/ : , 가

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15

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:가 가 / :

(see section 2) and/or in section 11

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22.03.2013

: ( , ),

**5.** ,

( ) :  
:  
(water spray), (dry powder),  
:  
(water jet)

/ / .  
:  
.

가 : 가 .

**6.**

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/ / / :  
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:  
.

**7.**

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가 .

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가 :

( ):

가 :

: -10 °C

: 40 °C

8.

, :  
( ):

가 , , , 가  
가 가 가

:  
:  
A( >65 °C) : 가 / 가 EN 14387

:  
(splashes) ( : 2, EN 374  
( 30 )  
( )- 0.7mm  
(NBR)- 0.4mm

:

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9.

:  
:  
:  
:  
pH : 7  
( )  
/  
: > 250 °C  
(1,013 hPa)  
: 270 °C (ASTM D92)  
:  
( /가 ):  
:  
:  
:  
:  
: > 300 °C ( : DIN 51794)  
가 : 가  
:  
:

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:  
( ): 0.9828 g/cm3 (ISO 2811-3)  
(15 °C)

:  
:  
( ) :  
n- / (log Pow) : 가 .  
, : 48 mm2/s (ASTM D445)  
(40 °C)  
:  
:

10.

가 : 7  
( , , ):  
:  
, ,  
:  
가 :  
:

11.

가 :

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LD50 ( ): > 5,000 mg/kg 1 ):

LC50 ( ): 1 - 5 mg/l 4 h 1 ):

LD50 ( ): > 2,000 mg/kg 1 ):

가:

:

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가:

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가

(

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가:

가:

가

가

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: 1.0

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가:

: Propanoic acid, 3-[[bis(2-methylpropoxy)phosphinothioyl]thio]-2-methyl-

( ):

:

( ) :

---

12.

가:

가

가:

:

가

가:

가



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22.03.2013

가 :

:

13. :

:

:

가

( ):

( )

14.

:

IMDG

**Sea transport**

IMDG

Not classified as a dangerous good under transport regulations

IATA/ICAO

**Air transport**

IATA/ICAO

Not classified as a dangerous good under transport regulations

가

가

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22.03.2013

**15.**

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41 :

2 3  
2 3

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ECL, KR

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**16.**

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