

HRE017 INTERFINE 629 RAL9002 GREY WHITE PT A

4

10/27/14

1.

1.1. INTERFINE 629 RAL9002 GREY WHITE PT A  
HRE017

1.2.

1.3.

626-6

( 8-6 )

1.4.

055-632-6286( ),055 586 2310( )

055 587 6276( )

055 586 2310( )

055 586 2310( )

2.

2.1.

3; H226

/

2;H315

/

2;H319

2;H411

2.2.

11 , 12



H226

H315

H319

H411

[ ]:

P210 / / /

P260 / /

P262 , ,

P264

P273

P280 / / /

[ ]:

P301+310 : /

P302+352 :

P303+361+353 ( ) :

P305+351+338 가 : .가

P321 ( ).

P331

P337+313 : /

P362

P370 :

P378 , , ,

P391

[ ]:

P403+233 가

[ ]:

P501 ( )

2.3. PBT ( , ) vPvB ( , )

3.

| /                                                                   | %     | GHS                                                                              |        |
|---------------------------------------------------------------------|-------|----------------------------------------------------------------------------------|--------|
| Acrylic Resin<br>CAS No: 0009900-07-6                               | 30-40 |                                                                                  | [1]    |
| Titanium dioxide<br>CAS No: 0013463-67-7                            | 20-30 |                                                                                  | [1][2] |
| xylene<br>CAS No: 0001330-20-7                                      | 10-20 | 3; H226<br>- 4;H312<br>- 4;H332<br>/ 2;H315<br>/ 2A;H319<br>-1 ;H336<br>- 1;H372 | [1][2] |
| Solvent naphtha (petroleum), light aromatic<br>CAS No: 0064742-95-6 | 5-10  | 1;H304                                                                           | [1]    |
| Propanol, oxybis-, dibenzoate<br>CAS No: 0027138-31-4               | 2.5-5 |                                                                                  | [1]    |
| n-Butyl acetate<br>CAS No: 0000123-86-4                             | 1-2.5 | 3; H226<br>-1 ;H336                                                              | [1][2] |
| Amorphous Silica<br>CAS No: 0007631-86-9                            | 1-2.5 |                                                                                  | [1]    |

|                                                    |       |                                              |     |
|----------------------------------------------------|-------|----------------------------------------------|-----|
| 1-Methoxy-2-propyl acetate<br>CAS No: 0000108-65-6 | 1-2.5 | 3; H226                                      | [1] |
| Aluminium hydroxide<br>CAS No: 0021645-51-2        | 1-2.5 | / 2;H319<br>-1 ;H335                         | [1] |
| 1-methyl-2-pyrrolidone<br>CAS No: 0000872-50-4     | <1    | 1B;H360D<br>/ 2;H319<br>-1 ;H335<br>/ 2;H315 | [1] |
|                                                    | 5-10  | ---                                          | --- |

- 1)
- 2) 가
- 3) PBT vPvB  
16

4.

4.1.

가

가

10

4.2. 가 /

4.3.

5. ,

5.1.

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Note; 가

가

5.2.

가

5.3.

가

가

6.

6.1.

가

가

가 가

6.2.

가

6.3.

.8

가

(13 )

가

가

가

가

7.

7.1.

가

가 (LEL)

(OEL)

가

가

가 (LEL)

(OEL)

7.2.

( )

가 , 가  
 가 , 61  
 1

**7.3. Specific end use(s)**

가  
 , 가 . 3

Hot surfaces, Sparks,

가 ( 60% , )

**8.**

**8.1.**

(OEL) (ACGIH)

(ACGIH)

|                  | ppm | mg/m <sup>3</sup> | ppm | mg/m <sup>3</sup> |
|------------------|-----|-------------------|-----|-------------------|
| Barium Sulphate  |     |                   | 2   | 10                |
| n-Butyl acetate  | 200 | 950               | 150 | 710               |
| Titanium dioxide |     |                   |     | 10                |
| xylene           | 150 | 655               | 100 | 434               |

- (P) (Peak exposure limit)
- (R)
- (Sk)
- (Sen)
- (Cat 1)
- (Cat 2) 가
- (Cat 3)

**DNEL/PNEC**

**8.2.**

가

가 , (visor)

(overall)

가

가 .가 가

9.

pH / (°C) (°C) 108  
 23  
 ( = 1)  
 ( , ) / : 1.1 ( xylene )  
 : 6.6 ( xylene )  
 (Pa)  
 1.43

n- / (Log Kow)

9.2.

10.

10.1.

10.2.

(Section 7 )

10.3. 가 가

10.4.

(7 .)

10.5.

10.6.

가

11.

(OEL)

가

가

가

2

|                                                            | LD50,<br>mg/kg | LD50,<br>mg/kg | LD50,<br>mg/L/4hr | / LD50,<br>mg/L/4hr |
|------------------------------------------------------------|----------------|----------------|-------------------|---------------------|
| 1-Methoxy-2-propyl acetate - (108-65-6)                    | 8,532.00,      | 5,000.00,      |                   |                     |
| 1-methyl-2-pyrrolidone - (872-50-4)                        | 3,914.00,      | 8,000.00,      |                   |                     |
| Acrylic Resin - (9900-07-6)                                |                |                |                   |                     |
| Aluminium hydroxide - (21645-51-2)                         | 5,000.00,      |                |                   |                     |
| Amorphous Silica - (7631-86-9)                             | 5,110.00,      | 5,000.00,      |                   |                     |
| n-Butyl acetate - (123-86-4)                               | 10,700.00,     | 17,600.00,     |                   |                     |
| Propanol, oxybis-, dibenzoate - (27138-31-4)               |                |                |                   |                     |
| Solvent naphtha (petroleum), light aromatic - (64742-95-6) | 6,800.00,      | 3,400.00,      |                   |                     |
| Titanium dioxide - (13463-67-7)                            | 10,000.00,     | 10,000.00,     |                   | 6.82,               |
| xylene - (1330-20-7)                                       | 4,299.00,      | 1,548.00,      |                   | 20.00,              |

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|------|---|---|
| ( )  |   |   |
| ( )  |   |   |
| ( )  |   |   |
| /    | 2 | . |
| /    | 2 |   |
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|      |   |   |
| (1 ) |   |   |
| ( )  |   |   |
|      |   |   |

12.

12.1.

Dangerous Preparations Directive 1999/45/EC 가 . ( 3 ) .

가

|                                                            | 96 hr LC50 mg/l ,               | 49 hr EC50 mg/l ,        | ErC50 mg/l ,                                  |
|------------------------------------------------------------|---------------------------------|--------------------------|-----------------------------------------------|
| Acrylic Resin - (9900-07-6)                                |                                 |                          |                                               |
| Titanium dioxide - (13463-67-7)                            | 1,000.00, Fundulus heteroclitus | 5.50, Daphnia magna      | 5.83 (72 hr), Pseudokirchneriella subcapitata |
| xylene - (1330-20-7)                                       | 3.30, Oncorhynchus mykiss       | 8.50, Palaemonetes pugio | 100.00 (72 hr), Chlorococcales                |
| Solvent naphtha (petroleum), light aromatic - (64742-95-6) | 9.22, Oncorhynchus mykiss       | 6.14, Daphnia magna      | 19.00 (72 hr), Selenastrum capricornutum      |
| Propanol, oxybis-, dibenzoate - (27138-31-4)               |                                 |                          |                                               |
| n-Butyl acetate - (123-86-4)                               | 18.00, Pimephales promelas      | 32.00, Artemia salina    | 674.70 (72 hr), Scenedesmus subspicatus       |
| Amorphous Silica - (7631-86-9)                             | 10,000.00, Danio rerio          | 10,000.00, Daphnia magna | 10,000.00 (72 hr), Scenedesmus subspicatus    |
| 1-Methoxy-2-propyl acetate - (108-65-6)                    | 100.00, Salmo gairdneri         | 500.00, Daphnia magna    |                                               |
| Aluminium hydroxide - (21645-51-2)                         |                                 |                          |                                               |
| 1-methyl-2-pyrrolidone - (872-50-4)                        | 500.00, Leuciscus idus          | 1.23, Daphnia magna      | 500.00 (72 hr), Scenedesmus subspicatus       |

12.2.

가

12.3.



12.4.

12.5. , , 가  
PBT ( , ) vPvB ( , ) .

12.6.

13.

13.1.

.. 가

14.

14.1. 1263

14.2.

14.3.

1263, , 3, III, 3[Y]

IMDG Class/Div. 3

EmS F-E,S-E

ICAO/IATA 3

14.4. III

14.5.

:

IMDG : ( Titanium dioxide )

14.6. 가 가

14.7. MARPOL73/78 Annex II IBC Code .

15.

**MSDS 8**

n-Butyl acetate (0000123-86-4)  
Titanium dioxide (0013463-67-7)

**(CMR):**

carbon black (0001333-86-4)  
Cyclohexanone (0000108-94-1)  
Ethylbenzene (0000100-41-4)  
Titanium dioxide (0013463-67-7)

:

n-Butyl acetate (0000123-86-4)  
Titanium dioxide (0013463-67-7)  
xylene (0001330-20-7)

:

xylene (0001330-20-7)

가

:

( )

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( )

:

( )

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**Group I:**

( )

**Group II:**

Aluminium hydroxide (0021645-51-2)  
Barium Sulphate (0007727-43-7)  
xylene (0001330-20-7)

:

( )

( )

:

( )

**16.**

: 10/27/2014

: 4

: 11/03/2010

MSDS KOSHA, NITE, ESIS, NLM, SIDS, IPCS, NCIS

SDS

H226

H304

H312

H315

H319

H332

H335

H336

H372

H411

**This SDS is valid for 5 years from the revised date on page 1.**



Akzo Nobel

가