

ECF243 INTERGARD 740 RAL2010 ORANGE PART A

4

10/25/14

1.

1.1. INTERGARD 740 RAL2010 ORANGE PART A
ECF243

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

1;H317

1B;H350

1A;H360

-1 ;H335

3;H412

2.2.

11 , 12



H226
H315
H317
H319
H335
H350
H360
H412

[]:

P201
P202
P210 / / /
P260 / /
P261 / /가 / / /
P262 , ,
P264
P271 가
P272
P273
P280 / / /

[]:

P301+310 : /
P302+352 :
P303+361+353 () :
/
P304+312 : /
P305+351+338 가 : .가
-
P308+313 : /
P312 /
P321 ().
P331
P333 :
P337 :
P340 가
P362
P363
P370 :
P378 , , ,

[]:

P403+233 가
P405 가

[]:

P501 ()

2.3.

PBT (,) vPvB (,)

3.

| / | % | GHS | |
|--|-------|--|--------|
| xylene CAS No: 0001330-20-7 | 20-30 | 3; H226 - 4;H312 - 4;H332 / 2;H315 / 2AIH319 -1 ;H336 - 1;H372 | [1][2] |
| Epoxy resin (av.mol.wt.<700) CAS No: 0025068-38-6 | 10-20 | / 2;H319 / 2;H315 1;H317 - 2;H411 | [1] |
| Cyclohexanol, 4,4(1-methylethylidene)bis-, polymer with (chloromethyl)oxirane CAS No: 0030583-72-3 | 5-10 | 1;H317 - 2;H411 | [1] |
| C.I. Pigment Yellow 34 CAS No: 0001344-37-2 | 2.5-5 | 1B;H350 1A;H360Df - 3;H373 - 1;H400 - 1;H410 | [1] |
| Ethylbenzene CAS No: 0000100-41-4 | 2.5-5 | 2;H225 - 4;H332 - 3;H373 1;H304 / 2;H315 / 2;H319 -1 ;H335 | [1][2] |
| C.i. pigment red 104 CAS No: 0012656-85-8 | 1-2.5 | 1B;H350 1A;H360Df - 3;H373 - 1;H400 - 1;H410 | [1] |
| Propylene glycol mono methyl ether CAS No: 0000107-98-2 | 1-2.5 | 3; H226 -1 ;H336 | [1][2] |
| Solvent naphtha (petroleum), light aromatic CAS No: 0064742-95-6 | 1-2.5 | 1;H304 | [1] |
| polyamide dispersion CAS No: 0055349-01-4 | <1 | 1;H317 - 4;H413 | [1] |
| | 40-50 | --- | --- |

- 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

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5.2.

가

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5.3.

가

가

6.

6.1.

가

가

가 가

6.2.

가

6.3.

가 (13 .)

가

가

가

가

7.

7.1.

가

가 (LEL)

(OEL)

가

가

가 (LEL)

(OEL)

7.2.

()

,8

가

가

61

가

1

7.3. Specific end use(s)

가

,가

.3

Hot surfaces, Sparks,

가

(60%

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8.

8.1.

(OEL) (ACGIH)

(ACGIH)

| | ppm | mg/m ³ | ppm | mg/m ³ |
|------------------------------------|-----|-------------------|-----|-------------------|
| Barium Sulphate | | | 2 | 10 |
| Ethylbenzene | 125 | 545 | 100 | 435 |
| Propylene glycol mono methyl ether | 150 | 540 | 100 | 360 |
| Talc | | | | 2 |
| 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

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가

9.

pH

/ (°C)

(°C)

108

27

(= 1)

(,)

/

: 1.1 (xylene)

: 6.6 (xylene)

(Pa)

1.39

n-

/

(Log Kow)

9.2.

10.

10.1.

10.2.

.(Section 7)

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10.3.

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10.4.

.(7)

10.5.

10.6.

가

11.

(OEL)

가

가

Data

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2

| | LD50, mg/kg | LD50, mg/kg | LD50, mg/L/4hr | / LD50, mg/L/4hr |
|---|----------------|----------------|-------------------|---------------------|
| C.i. pigment red 104 - (12656-85-8) | 5,000.00, | | | |
| C.I. Pigment Yellow 34 - (1344-37-2) | 5,000.00, | | | |
| Cyclohexanol, 4,4(1-methylethylidene) bis-, polymer with (chloromethyl)oxirane - (30583-72-3) | | | | |
| Epoxy resin (av.mol.wt.<700) - (25068-38-6) | 2,000.00, | 2,000.00, | | |
| Ethylbenzene - (100-41-4) | 3,500.00, | 15,433.00, | 17.20, | |
| polyamide dispersion - (55349-01-4) | | | | |
| Propylene glycol mono methyl ether - (107-98-2) | 5,000.00, | 13,000.00, | | |
| Solvent naphtha (petroleum), light aromatic - (64742-95-6) | 6,800.00, | 3,400.00, | | |
| xylene - (1330-20-7) | 4,299.00, | 1,548.00, | | 20.00, |

| | | |
|------|----|--|
| | | |
| () | | |
| () | | |
| () | | |
| / | 2 | |
| / | 2 | |
| | | |
| | 1 | |
| | | |
| | 1B | |
| | 1A | |
| (1) | 3 | |
| () | | |
| | | |

12.

12.1.

Dangerous Preparations Directive 1999/45/EC

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(3)

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| | 96 hr LC50 mg/l | 49 hr EC50 mg/l | ErC50 mg/l |
|--|-------------------------------|--------------------------|---|
| xylene - (1330-20-7) | 3.30, Oncorhynchus mykiss | 8.50, Palaemonetes pugio | 100.00 (72 hr), Chlorococcales |
| Epoxy resin (av.mol.wt.<700) - (25068-38-6) | 3.10, Pimephales promelas | 1.40, Daphnia magna | |
| Cyclohexanol, 4,4(1-methylethylidene)bis-, polymer with (chloromethyl)oxirane - (30583-72-3) | | | |
| C.I. Pigment Yellow 34 - (1344-37-2) | 10,000.00, Leuciscus idus | | |
| Ethylbenzene - (100-41-4) | 4.20, Oncorhynchus mykiss | 2.93, Daphnia magna | 3.60 (96 hr), Pseudokirchneriella subcapitata |
| C.i. pigment red 104 - (12656-85-8) | 2,500.00, Leuciscus idus | | |
| Propylene glycol mono methyl ether - (107-98-2) | 1,000.00, Oncorhynchus mykiss | 500.00, Daphnia magna | 1,000.00 (96 hr), Selenastrum capricornutum |
| Solvent naphtha (petroleum), light aromatic - (64742-95-6) | 9.22, Oncorhynchus mykiss | 6.14, Daphnia magna | 19.00 (72 hr), Selenastrum capricornutum |
| polyamide dispersion - (55349-01-4) | | | |

12.2.

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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.

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IMDG :

14.6. 가 가

14.7. MARPOL73/78 Annex II IBC Code .

15.

4 , 2 , III

MSDS 8 .

Ethylbenzene (0000100-41-4)

Talc (0014807-96-6)

(CMR):

carbon black (0001333-86-4)

Ethylbenzene (0000100-41-4)

Titanium dioxide (0013463-67-7)

:

Ethylbenzene (0000100-41-4)

xylene (0001330-20-7)

:

Ethylbenzene (0000100-41-4)

xylene (0001330-20-7)

가 :

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C.i. pigment red 104 (0012656-85-8)

C.I. Pigment Yellow 34 (0001344-37-2)

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Group I:

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Group II:

Barium Sulphate (0007727-43-7)

Epoxy resin (av.mol.wt.<700) (0025068-38-6)

Ethylbenzene (0000100-41-4)

xylene (0001330-20-7)

:

()

()

:

Talc (0014807-96-6)

16.

: 10/25/2014

: 4

: 08/13/2009

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

SDS

Section 3 Phrases

H225

H226

H304

H312

H315

H317

H319

H332

H335

H336

H350
H360Df
H372
H373
H400
H410
H411

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



Akzo Nobel

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