

HGA327 INTERZONE 2000 G.F.P-E OFF WHITE

3

10/27/14

1.

1.1. INTERZONE 2000 G.F.P-E OFF WHITE
HGA327

1.2. 0504700 (Unknown)

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. .
- 4;H332
/
2;H315
/
2;H319
-
3;H412

2.2.
11 , 12



H332

H412

[]:

P261 / /가 / / /

P264

P271 가

P273

P280 / / /

[]:

P302+352 :

P304+312 :

P305+351+338 가 : .가

P321 ().

P337+313 : /

P340 가

P362

[]:

[]:

P501 ()

2.3. PBT () vPvB ()

3.

| / | % | GHS | |
|--|-------|---|--------|
| Styrene CAS No: 0000100-42-5 | 30-40 | 3; H226 - 4;H332 / 2;H319 / 2;H315 | [1][2] |
| Titanium dioxide CAS No: 0013463-67-7 | 5-10 | | [1][2] |
| Silica(quartz) CAS No: 0014808-60-7 | 5-10 | - 4;H332 - 3;H373 | [1][2] |
| Amorphous fumed silica CAS No: 0112945-52-5 | 1-2.5 | | [1] |
| ethanol CAS No: 0000064-17-5 | 1-2.5 | 2;H225 | [1][2] |
| | 40-50 | --- | --- |

- 1)
- 2) 가
- 3) PBT vPvB
16

4.

4.1.

가

가

10

4.2. 가 /

4.3.

5. ,

5.1.

; , , , .

Note; 가

가

5.2.

가

:

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
, AS/NZS 1940(가)
/ 1
가 ,

7.3. Specific end use(s)

가
, 가 . 3

Hot surfaces, Sparks,

가 (60% ,)

8.

8.1.

(OEL) (ACGIH)

(ACGIH)

ppm mg/m³ ppm mg/m³

ethanol 1000 1900

Silica(quartz) 0.1

Styrene 100 425 50 215

Talc 2

Titanium dioxide 10

(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)

65

(= 1)

(,)

/

: 1.1 (Styrene)

: 6.1 (Styrene)

(Pa)

1.29

n-

/

(Log Kow)

9.2.

10.

10.1.

10.2.

.(Section 7)

가

가

10.3.

10.4.

10.5.

10.6.

가

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11.

(OEL)

가 가
가 가
2

| | LD50, mg/kg | LD50, mg/kg | LD50, mg/L/4hr | / LD50, mg/L/4hr |
|--|----------------|----------------|-------------------|---------------------|
| Amorphous fumed silica - (112945-52-5) | 3,160.00, | | | |
| ethanol - (64-17-5) | 7,060.00, | 20,000.00, | 124.70, | |
| Silica(quartz) - (14808-60-7) | | | | |
| Styrene - (100-42-5) | 2,650.00, | | 12.00, | |
| Titanium dioxide - (13463-67-7) | 10,000.00, | 10,000.00, | | 6.82, |

| | | |
|------|---|--|
| | | |
| () | | |
| () | | |
| () | 4 | |
| / | 2 | |
| / | 2 | |
| | | |
| | | |
| | | |
| | | |
| | | |
| | | |
| (1) | | |
| () | | |
| | | |

12.

12.1.

1999/45/EC

가

| | 96 hr LC50 , mg/l | 49 hr EC50 , mg/l | ErC50 , mg/l |
|--|---------------------------------|----------------------|---|
| Styrene - (100-42-5) | 4.08, Pimephales promelas | 4.70, Daphnia magna | 0.00 (96 hr), |
| Titanium dioxide - (13463-67-7) | 1,000.00, Fundulus heteroclitus | 5.50, Daphnia magna | 5.83 (72 hr), Pseudokirchneriella subcapitata |
| Silica(quartz) - (14808-60-7) | | | |
| Amorphous fumed silica - (112945-52-5) | | | |
| ethanol - (64-17-5) | 42.00, Oncorhynchus mykiss | 2.00, Daphnia magna | 17.921 (96 hr), Ulva pertusa |

12.2.

가 .

12.3.

12.4.

12.5. , 가

PBT (,) vPvB (,) .

12.6.

13.

13.1.

가

14.

14.1.

14.2.

14.3.

IMDG Class/Div.

EmS

ICAO/IATA

14.4.

14.5.

:

IMDG

:

14.6. 가

가

14.7.

MARPOL73/78 Annex II IBC Code .

15.

4 , 1 , II

MSDS 8

0504700 (Unknown)

Silica(quartz) (0014808-60-7)

Styrene (0000100-42-5)

Talc (0014807-96-6)

Titanium dioxide (0013463-67-7)

0504700 (Unknown)

Silica(quartz) (0014808-60-7)

ethanol (0000064-17-5)

Benzenediol (0000123-31-9)

Styrene (0000100-42-5)

Titanium dioxide (0013463-67-7)

0504700 (Unknown)

Styrene (0000100-42-5)

Titanium dioxide (0013463-67-7)

0504700 (Unknown)

Styrene (0000100-42-5)

0504700 (Unknown)

0504700 (Unknown)

0504700 (Unknown)

0504700 (Unknown)

0504700 (Unknown)

0504700 (Unknown)

Cobalt = 3.8 - 4.2 %w/w (0061789-51-3)

Styrene (0000100-42-5)

0504700 (Unknown)

0504700 (Unknown)

0504700 (Unknown)

16.

: 10/27/2014

: 3

: 11/18/2005

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

SDS

Section 3 Phrases

H225

H226

H315

H319

H332

H373

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



Akzo Nobel

가