

HAF724 INTERTHERM 875 GREY

4

10/27/14

1.

1.1. INTERTHERM 875 GREY
HAF724

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 ;H335

3;H412

2.2.

11 , 12



H315
H319
H335
H412

[]:

P210 / / /
P261 / /가 / / /
P264
P271 가
P273
P280 / / /

[]:

P302+352 :
P303+361+353 () :
/ /
P304+312 : /
P305+351+338 가 : .가
P312 /
P321 ().
P337+313 : /
P340 가
P362
P370 :
P378 , , ,

[]:

P403+233 가
P405 가

[]:

P501 ()

2.3. PBT (,) vPvB (,)

3.

| / | % | GHS | |
|---|-------|--|--------|
| xylene CAS No: 0001330-20-7 | 30-40 | 3; H226 - 4;H312 - 4;H332 / 2;H315 / 2A;H319 -1 ;H336 - 1;H372 | [1][2] |
| Titanium dioxide CAS No: 0013463-67-7 | 10-20 | | [1][2] |
| Ethylbenzene CAS No: 0000100-41-4 | 5-10 | 2;H225 - 4;H332 - 3;H373 1;H304 / 2;H315 / 2;H319 -1 ;H335 | [1][2] |

| | | | |
|-----------------------------------|-------|---|--------|
| n-Butanol CAS No: 0000071-36-3 | 2.5-5 | 3; H226 - 4;H302 -1 ;H335 / 2;H315 / 1;H318 -1 ;H336 | [1][2] |
| Toluene CAS No: 0000108-88-3 | <1 | 2;H225 / 2;H315 2;H361 - 4;H332 1;H317 - 2;H411 | [1][2] |
| | 30-40 | --- | --- |

- 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.

.8

가

가

(13 .)

가

가

7.

7.1.

가

가 (LEL)

(OEL)

가

가

가 (LEL)

(OEL)

7.2. ()

, 8

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/m³

ppm

mg/m³

Barium Sulphate

2

10

Ethylbenzene

125

545

100

435

n-Butanol

C50

C150

Titanium dioxide

10

Toluene

150

560

100

375

xylene

150

655

100

434

(P) (Peak exposure limit)

(R)

(Sk)

(Sen)

(Cat 1)
(Cat 2)
(Cat 3)

가

DNEL/PNEC

8.2.

가

가

(visor)

(overall)

가

For Professional Applications (Indoor and Outdoor) the maximum daily exposure allowed is less than or equal to 8 hours. This is for natural, local exhaust or no ventilation wearing the PPE requirements highlighted above.

9.

pH

/ (°C)

(°C)

108

24

(= 1)

(,)

/

: 1.1 (xylene)

: 6.6 (xylene)

(Pa)

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, mg/kg | LD50, mg/kg | LD50, mg/L/4hr | / LD50, mg/L/4hr |
|---------------------------------|----------------|----------------|-------------------|---------------------|
| Ethylbenzene - (100-41-4) | 3,500.00, | 15,433.00, | 17.20, | |
| n-Butanol - (71-36-3) | 2,292.00, | 3,430.00, | | |
| Titanium dioxide - (13463-67-7) | 10,000.00, | 10,000.00, | | 6.82, |
| Toluene - (108-88-3) | 636.00, | 8,400.00, | | |
| xylene - (1330-20-7) | 4,299.00, | 1,548.00, | | 20.00, |

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

12.

12.1. 1999/45/EC 가 ,
가

| | 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 |
| Titanium dioxide - (13463-67-7) | 1,000.00, Fundulus heteroclitus | 5.50, Daphnia magna | 5.83 (72 hr), Pseudokirchneriella subcapitata |
| Ethylbenzene - (100-41-4) | 4.20, Oncorhynchus mykiss | 2.93, Daphnia magna | 3.60 (96 hr), Pseudokirchneriella subcapitata |
| n-Butanol - (71-36-3) | 1,376.00, Pimephales promelas | 1,328.00, Daphnia magna | 500.00 (96 hr), Scenedesmus subspicatus |
| Toluene - (108-88-3) | 5.80, Oncorhynchus mykiss | 19.60, Daphnia magna | |

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 :

14.6. 가 가

14.7. MARPOL73/78 Annex II IBC Code .

15.

4 , 2 , III

MSDS 8 .

Ethylbenzene (0000100-41-4)
Titanium dioxide (0013463-67-7)

(CMR):

carbon black (0001333-86-4)
Silica(quartz) (0014808-60-7)
Ethylbenzene (0000100-41-4)
Titanium dioxide (0013463-67-7)
Toluene (0000108-88-3)

:

n-Butanol (0000071-36-3)
Ethylbenzene (0000100-41-4)
Titanium dioxide (0013463-67-7)
xylene (0001330-20-7)

:

n-Butanol (0000071-36-3)
Ethylbenzene (0000100-41-4)
xylene (0001330-20-7)

가

:

()

:

()

:

()

:

()

Group I:

()

Group II:

Barium Sulphate (0007727-43-7)
Ethylbenzene (0000100-41-4)
xylene (0001330-20-7)

:

()

()

:

()

16.

: 10/27/2014

: 4

: 05/13/2008

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

SDS

Section 3

Phrases

H225

H226

H302

H304

H312

H315

H318

H319

H332

H335

H336

H372

H373

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



Akzo Nobel

가