

HAJ461 INTERTHERM 875 DINOSAUR

1

03/11/15

1.

1.1. INTERTHERM 875 DINOSAUR
HAJ461

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

2.2.

11 , 12



H226

H315

H319

H335

[]:

P210 / / /

P261 / /가 / / /

P264

P271 가

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 / 2AIH319 -1 ;H336 - 1;H372 | [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 | 1-2.5 | 3; H226 - 4;H302 -1 ;H335 / 2;H315 / 1;H318 -1 ;H336 | [1][2] |

- 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

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.

()

: , ,

,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

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

가

.가

가

9.

pH

/ (°C)

(°C)

116

24

(= 1)

(,)

/

: 1.1 (xylene)

: 6.6 (xylene)

(Pa)

1.12

n-

/

(Log Kow)

9.2.

10.

10.1.

10.2.

10.3. 가 가

10.4.

(7 .)

10.5.

:

10.6.

가 :

11.

(OEL)

가

가

2

가

| | 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, | | |
| 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 |
| 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 |

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 .

- n-Butanol (0000071-36-3)
- 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)

:

- 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 :

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:
()

:
()

Group I:

()

Group II:

Barium Sulphate (0007727-43-7)

Ethylbenzene (0000100-41-4)

xylene (0001330-20-7)

:
()

()

:
()

16.

: 11/03/2015

: 1

: 02/03/2015

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

SDS

