

HAH291 INTERTHERM 875 GUARDSMAN

1

01/09/15

1.

1.1. INTERTHERM 875 GUARDSMAN
HAH291

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-Methoxy-2-propyl acetate CAS No: 0000108-65-6	1-2.5	3; H226	[1]
	50-60	---	---

- 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

. (13 .)

가

가

, 가

가

7.

7.1.

가

, 가 (LEL) (OEL)

가

가

, 가 (LEL) (OEL)

7.2.

(: , ,)

, 8

가

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

Barium Sulphate

2

10

Ethylbenzene

125

545

100

435

Iron oxide

5

n-Butanol

C50

C150

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

24

(= 1)

(,)

/

: 1.4 (n-Butanol)

: 6.6 (xylene)

(Pa)

1.14

n-

/

(Log Kow)

9.2.

10.

10.1.

(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
1-Methoxy-2-propyl acetate - (108-65-6)	100.00, Salmo gairdneri	500.00, Daphnia magna	

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.

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)

(CMR):

Silica(quartz) (0014808-60-7)

Ethylbenzene (0000100-41-4)

Titanium dioxide (0013463-67-7)

:

n-Butanol (0000071-36-3)

Ethylbenzene (0000100-41-4)

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.

: 09/01/2015

: 1

: 07/01/2015

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

Not Defined



Akzo Nobel

가