

1:

. 1.1

: **Normastic 405 AL, Normastic 405 AL Wintergrade**

. 1.2

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2-

. 1.3

Nor-Maali Oy
 Vanhatie 20,15240 Lahti, FINLAND

. 1.4

Nor-Maali Oy (- 08.00 16.00):+ 358 3 874 650 ()

2: ()

. 2.1

() 1272/2008



Flam. Liq. 3 H226



Aquatic Chronic 2 H411



Skin Irrit. 2 H315

Eye Irrit. 2 H319

Skin Sens. 1 H317

. 2.2

(EC) 1272/2008

(CLP).



GHS02



GHS07



GHS09

: Normastic 405 AL, Normastic 405 AL Wintergrade

() 1)

[4-(2,3-)]
(700-1100)

H226
H315
H319
H317
H411

P210 / / /
P273 / / /
P280 / / /

P305+P351+P338

P333+P313
P403+P233

2.3

PBT () vPvB ()

PBT:
vPvB:

3: ()

3.2

CAS: 1675-54-3 EINECS: 216-823-5	[4-(2,3-)] Aquatic Chronic 2, H411; Skin Irrit. 2, H315; Eye Irrit. 2, H319; Skin Sens. 1, H317	25 - 50%
CAS: 1330-20-7 EINECS: 215-535-7	Flam. Liq. 3, H226; Acute Tox. 4, H312; Acute Tox. 4, H332; Skin Irrit. 2, H315	2,5 - 10%
CAS: 25036-25-3 : 607-500-3	(700-1100) Skin Irrit. 2, H315; Eye Irrit. 2, H319; Skin Sens. 1, H317	2,5 - 10%
CAS: 78-83-1 EINECS: 201-148-0	2- -1- Flam. Liq. 3, H226; Eye Dam. 1, H318; Skin Irrit. 2, H315; STOT SE 3, H335-H336	< 3%
CAS: 100-41-4 EINECS: 202-849-4	Flam. Liq. 2, H225; STOT RE 2, H373; Asp. Tox. 1, H304; Acute Tox. 4, H332	1 - 2,5%

16.

4:

4.1

: Normastic 405 AL, Normastic 405 AL Wintergrade

(2)

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1-2 , .

. 4.2 , ,

. 4.3 : .

5:

. 5.1 : C , CO , .

. 5.2 , , :

. 5.3 - .

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6:

. 6.1 , ,

. 6.2 , ,). (

. 6.3 : , ,

. 6.4 - 7. - 8.

- 13.

: Normastic 405 AL, Normastic 405 AL Wintergrade

(3)

7:

. 7.1

. 7.2

. 7.3

8:

. 8.1

1330-20-7	
HTP	: 440 /m ³ , 100 ppm : 220 /m ³ , 50 ppm
PDK	: 150 /m ³ : 50 /m ³
78-83-1 2- -1-	
HTP	: 230 /m ³ , 75 ppm : 150 /m ³ , 50 ppm
PDK	: 10 /m ³
100-41-4	
HTP	: 880 /m ³ , 200 ppm : 220 /m ³ , 50 ppm
PDK	: 150 /m ³ : 50 /m ³
1330-20-7	
BNV	5,0 mmol/

: Normastic 405 AL, Normastic 405 AL Wintergrade

100-41-4

BNV 5,2 mmol/

HTP

538/2018

. 8.2

P2 (Iib).



EN374.

: Viton®, Responder,

, 4H, Teflon

) > 8

) 4 - 8



9:

. 9.1

pH:

: Normastic 405 AL, Normastic 405 AL Wintergrade

			(5)
·	/	: 136 °C	
·	:	24 °C	
·):	(,	
·	:	500 °C	
·	:		
·	:		
·	:		
·	:	1 .%	
·	:	8 .%	
·	:		
·	20 °C:	1,45 /cm³	
·			
·			
·	:	/	
·):	(n- /	
·	:		
·	9.2	40 °C:	> 20,5 mm²/s

	10:
·	10.1
·	10.2
·	10.3
·	10.4
·	10.5
·	10.6

	11:
·	11.1
·	

: Normastic 405 AL, Normastic 405 AL Wintergrade

(6)

LD/LC50 (/),		:
1675-54-3	[4-(2,3-)]	
()	LD50	> 2.000 / (rat) (OECD Guideline 420 (Acute Oral Toxicity - Fixed Do))
()	LD50	> 2.000 / (rat) (OECD Guideline 402 (Acute Dermal Toxicity))
1330-20-7		
()	LD50	4.300 / (rat)
()	LD50	3.200 / (rabbit)
()	LC50/4	21,7 / (rat)
78-83-1 2- -1-		
()	LD50	2.460 / (rat)
()	LD50	3.400 / (rabbit)
100-41-4		
()	LD50	3.500 / (rat)
()	LD50	17.800 / (rabbit)
()	LC50/4	4.000 / (rabbit)

IARC),

2B,

12:

12.1

1675-54-3 [4-(2,3-)]	
72-h EC50	11 /L (Algae)
96-h LC50	2 /L (Fish)
NOEC	4,2 /L (Algae)
1330-20-7	
48-h EC50	165 /L (Daphnia magna)
96-h LC50	26,7 /L (Pimephales promelas)
48-h LC50	86 /L (Leuciscus idus melanotus)
100-41-4	
48-h EC50	7,2 /L (Daphnia magna)

8)

RU

: Normastic 405 AL, Normastic 405 AL Wintergrade

96-h LC50 4,2 /L (Oncorhynchus mykiss)

. 12.2

[4-(2,3-)] :

. 12.3

[4-(2,3-)] : LogPow > 3 ()

: LogPow = 3,12 ()

: LogPow = 0,76 ()

: LogPow = 3,15 ()

. 12.4

. 12.5

PBT ()

) vPvB

. PBT:

. vPvB:

. 12.6

13: ()

. 13.1

. EWC 08 01 11 ()

14: ()

. 14.1

UN

. ADR, IMDG, IATA

UN1263

. 14.2

. ADR

. IMDG

PAINT, MARINE POLLUTANT

Marine Pollutant Chemical: bis[4-(2,3-epoxypropoxy)

phenyl]propane

. IATA

PAINT

: Normastic 405 AL, Normastic 405 AL Wintergrade

(8)

. 14.3

. ADR, IMDG



3

. IATA



. Class

3

. 14.4

. ADR, IMDG, IATA

III

. 14.5

(ADR):

: [4-(2,3-

5-

. 14.6

. 14.7

II MARPOL73/78 (

) IBC Code (

. ADR

(LQ)

5L

3

D/E

. IMDG

. Limited quantities (LQ)

5L

EMS: F-E, S-E

. UN "Model Regulation":

UN1263,

, 3, III

15:

. 15.2

16:

(10)

: Normastic 405 AL, Normastic 405 AL Wintergrade

(9)

- H225
- H226
- H304
- H312
- H315
- H317
- H318
- H319
- H332
- H335
- H336
- H373

H411

: Nor-Maali Oy, +358 3 874 650 sds@nor-maali.fi

- Flam. Liq. 2: Flammable liquids – Category 2
- Flam. Liq. 3: Flammable liquids – Category 3
- Acute Tox. 4: Acute toxicity – Category 4
- Skin Irrit. 2: Skin corrosion/irritation – Category 2
- Eye Dam. 1: Serious eye damage/eye irritation – Category 1
- Eye Irrit. 2: Serious eye damage/eye irritation – Category 2
- Skin Sens. 1: Skin sensitisation – Category 1
- STOT SE 3: Specific target organ toxicity (single exposure) – Category 3
- STOT RE 2: Specific target organ toxicity (repeated exposure) – Category 2
- Asp. Tox. 1: Aspiration hazard – Category 1
- Aquatic Chronic 2: Hazardous to the aquatic environment - long-term aquatic hazard – Category 2

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