



30-11-2020 / REVISION 12

HUMIDUR.

Safety Data Sheet

**Humidur® FP Plural, Single, Brush, QR
Component A**

ACOTEC N.V.

Industrielaan 8 Zuid III
9320 Aalst, Belgium

Section 1: IDENTIFICATION OF THE SUBSTANCE/MIXTURE AND OF THE COMPANY/UNDERTAKING

Hazardous according to criteria of Australian WHS Regulations.

Classified as a Dangerous Good for Transport according to the latest ADG Code.

1.1. Product identifier

Trade name: Humidur® FP Plural/Single/Brush/QR Component A

1.2. Relevant identified uses of the substance or mixture and uses advised against

Product use: epoxy coating

1.3. Details of the supplier of the safety data sheet :

Importer: Matrix Composites & Engineering
150 Quill Way
Henderson WA 6166
Australia
Telephone: +61 8 9412 1200
E-mail address : matrix@matrixengineered.com

Information provided by:

Acotec NV
Industrielaan 8 Zuid III
9320 Aalst (Erembodegem) – Belgium
Telephone : +32 53 83 86 60
E-mail address : info@acotec.be

1.4. Emergency telephone number

Emergency information :

- Matrix Composites & Engineering
During business hours: +61 8 9412 1200
After business hours (national call): 1300 729 130
- For Poison Advice in Australia: 131 126
To provide telephone consultation to medical professionals and the general public in case of acute and chronic poisonings – 24 h a day

Section 2: HAZARDS IDENTIFICATION

2.1. Classification of the substance or mixture

Classification according to the Regulation (EC) N° 1272/2008 (GHS)

Eye Irritation Category 2, H319
Skin Irritation Category 2, H315
Skin Sensitization Category 1, H317
Aquatic Chronic Category 2, H411

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Full text of classifications [CLP/GHS]

Eye Irritation Category 2, H319

Skin Irritation Category 2, H315

Skin Sensitization Category 1, H317

Aquatic Chronic Category 2, H411 : long term aquatic hazard

2.2. Label elements according to Regulation (EC) N° 1272/2008 (GHS)

Symbol(s) :



Signal Word : Danger

Hazard Statements: H319
H315
H317
H411

Precautionary Statements: P264
P280
P261
P272
P273
P305 + P351 + P338
P391
P337 + P313
P302 + P352
P321
P332 + P313
P362 + P364
P333 + P313
P501

2.3. Other dangers: none known

See section 16 for the full text of the above mentioned H and P statements

Section 3: COMPOSITION/INFORMATION ON INGREDIENTS

3.1. Substances: -

3.2. Mixtures

Chemical characterization: Humidur® FP Plural/Single/Brush/QR Component A is a preparation based on epoxy resin and aliphatic amines

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Hazardous components:

- 2,2'-[(1-methylethylidene)bis (4,1-phenyleneoxymethylene)]bisoxirane
Concentration: 6-15 % CAS N°: 1675-54-3 EINECS N°: 216-823-5
H-phrases : H319 Eye Irrit 2, H315 Skin Irrit 2, H317 Skin Sens 1, H411 Aquatic chronic 2
- Formaldehyde, oligomeric reaction products with 1-chloro-2,3-epoxypropane and phenol
Concentration: 30-60 % CAS N°: 9003-36-5 EINECS N°: 500-006-8
H-phrases : H317 Skin Sens 1, H411 Aquatic chronic 2, H315 Skin Irrit 2
- Trizinbis (orthophosphate) * 2-4 H₂O
Concentration: ca. 5-15 % CAS N°: 7779-90-0 EINECS N°: 231-944-3
H-phrases : H400 (M=1) Aquatic Acute 1, H410 (M=1) Aquatic Chronic 1
- Zinc oxide
Concentration: ca. 1-5 % CAS N°: 1314-13-2 EINECS N°: 215-222-5
H-phrases : H400 (M=1) Aquatic Acute 1, H410 (M=1) Aquatic Chronic 1

Section 4: FIRST AID MEASURES

4.1. Description of first aid measures

General indications: Immediately take off soiled, soaked clothing

After inhalation: Ensure supply of fresh air

After skin contact: Wash immediately with water and soap. If irritation continues, seek medical advice

After contact with the eyes: Rinse thoroughly with plenty of water and seek medical advice

After swallowing: Seek medical advice immediately and show the package or label

4.2. Most important symptoms and effects, both acute and delayed

Eye contact: causes serious eye irritation

Inhalation: no known significant effects or critical hazards

Skin contact: causes skin irritation. May cause an allergic skin reaction

Ingestion: irritating to mouth, throat and stomach

4.3. Indication of any immediate medical attention and special treatment needed

Indications for the physician

Symptoms: headache - dizziness – drowsiness

Section 5: FIRE-FIGHTING MEASURES

5.1. Extinguishing media

Appropriate extinguishing agents: water spray jet, sand, carbon dioxide, extinguishing powder, alcohol resistant foam

Extinguishing measures which are inappropriate, for reasons of safety: full water spray jet

5.2. Special hazards arising from the substance or mixture

Special risks caused by the substance, its combustion products or gases formed:

Dangerous flue gases in case of fire: carbon monoxide (CO)

Flue gases of organic materials should in principle be classified as toxic (to the respiratory organs)

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5.3. Advice for firefighters

Special protective equipment for firefighting: in case of fire, use breathing apparatus

Further data: Combustion residues and soiled extinguishing water should be disposed of in accordance with the local prescriptions of the authorities

Section 6: ACCIDENTAL RELEASE MEASURES

6.1. Personal precautions, protective equipment and emergency procedures

Personal precautions: use personal protection equipment. Ensure adequate ventilation.

6.2. Environmental precautions

Measures to protect the environment: Avoid spilling into the sewage, soil or aquatic environment. If the product should be spilled into the sewage, immediately inform the competent authorities

6.3. Methods and material for containment and cleaning up

Cleansing methods: Remove spilled product with liquid absorbing material (e.g. sand, kieselguhr, acid binding agent, universal binding agent, sawdust)

6.4. Reference to other sections

See section 1 for emergency contact information

See section 8 for information on appropriate personal protective equipment

See section 13 for additional waste treatment information

Section 7: HANDLING AND STORAGE

7.1. Precautions for safe handling

Instructions for safe handling: Ensure good ventilation, if necessary exhaustion on the site

7.2. Conditions for safe storage, including any incompatibilities

Instructions for protection against fire and explosion: Keep removed from ignition sources – do not smoke. Take measures against electrostatic charging. Take into account the general prescriptions of the company concerning preventive safety

Fire class: B

Storage: Further information concerning the circumstances for storage: keep the package dry, hermetically closed and store in a cool area

7.3. Specific end use(s): /

Section 8: EXPOSURE CONTROLS/PERSONAL PROTECTION

8.1. Control parameters

No exposure limits known

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8.2. Exposure controls

Personal protection :

- General protective measures: Avoid contact with eyes and skin.
- Hygienic measures: Preventive protection of the skin with a skin protecting ointment. Soiled, soaked clothing should be taken off immediately. Keep away from food and drinks. Wash hands before breaks and after work. During work with chemicals, the usual safety measures should be observed.
- Respiratory protection: during spraying of the product : gas/vapour filter PFA/A in combination with dust filter A and P class, half or full face mask in function of the exposure level, going from a FFA1P1 half face mask to a FFA2P1 full face mask. For work in closed rooms, only use respiratory protection means with air supply from a disinfected source or supply of air from oxygen cylinders or air compressors.
- In solid or dust form (e.g. sanding cured product), workers must wear a Class P1 Particulate filter mask in accordance with AS/NZS1716.
- Protection of the hands: gloves (solvent resistant) with cuffs impermeable to ECH, Ethyl Vinyl Alcohol-Laminate (EVAL), butyl rubber
- Eye protection: safety goggles or full face cap

Control of the exposure of the environment: Refer to the environmental protection legislation of the European Union

Section 9: PHYSICAL AND CHEMICAL PROPERTIES

9.1. Information on basic physical and chemical properties

| | |
|--------------------|-------------------------------------|
| <i>Appearance:</i> | Paste-like |
| <i>Colour:</i> | In accordance with colour reference |
| <i>Odour:</i> | Weak |

9.2. Other information:

| | |
|--|---------------------------------------|
| <i>Boiling point of the pure resin</i> | > 200 °C |
| <i>Flash point: Method DIN 51758</i> | > 100 °C |
| <i>Ignition temperature: the lowest value of the separate components: Method DIN 51794</i> | > 200 °C |
| <i>Vapour pressure: of the pure resin, Method: calculated</i> | < 4 mbar at 20 °C |
| <i>Density: Method DIN 53217</i> | about 1,45 g/cm ³ at 23 °C |
| <i>Solubility in water</i> | insoluble at 20 °C |
| <i>Viscosity: Method Reolab CSS measurement 0-1100 Pa</i> | - |

Section 10: STABILITY AND REACTIVITY

10.1. Reactivity

Stable under recommended storage conditions

10.2. Chemical stability

No decomposition if stored and applied as directed

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10.3. Possibility of hazardous reactions

Hazardous reactions : stable under normal conditions

When Part A is mixed with B until curing occurs, it does not form any new chemical compounds that are more hazardous than those present in either Part A or Part B before mixing occurs.

10.4. Conditions/Circumstances to avoid:

May form inflammable mixtures in the air, when heated above the flash point and/or when sprayed or atomized

10.5. Incompatible materials:

Strong acids and strong bases

Strong oxidizing agents

10.6. Hazardous decomposition products:

Thermal decomposition: no decomposition when used in accordance with the prescriptions.

Section 11 : TOXICOLOGICAL INFORMATION

11.1. Information on toxicological effects

Toxicological effects (on health) and possible symptoms after exposure:

Information on the product: The effect of the product on the skin, on the respiratory organs or the eyes may cause irritation. May cause sensitization by skin contact.

Information on the components: Classification relevance LD/LC50-values:

7779-90-0 trizincbis(orthophosphate) * 2-4 H₂O

Oral, LD50: > 5 000 mg/kg (rat)

Primary effects:

- on the skin: no irritating effect
- on the eyes: no irritating effect

2,2'-[(1-methylethylidene)bis (4,1-phenyleneoxymethylene)]bisoxirane

Acute oral toxicity: LD50 (Rat, female): > 2 000 mg/kg

Method: OECD Test Guideline 420

Assessment: the substance or mixture has no acute oral toxicity

Formaldehyde, oligomeric reaction products with 1-chloro-2,3-epoxypropane and phenol:

Acute oral toxicity: LD 50 (rat, male and female): > 5 000 mg/kg

Method: OECD Test guideline 401

GLP: yes

Ingredients:

2,2'-[(1-methylethylidene)bis (4,1-phenyleneoxymethylene)]bisoxirane

Acute inhalation toxicity: LC0 (Rat, male) : 10 ppt

Exposure time: 5 h

Test atmosphere: vapor

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Ingredients:

2,2'-[(1-methylethylidene)bis (4,1-phenyleneoxymethylene)]bisoxirane

Acute dermal toxicity: LD50 (Rat, male and female): 2 000 mg/kg

Method: OECD test Guideline 402

Formaldehyde, oligomeric reaction products with 1-chloro-2,3-epoxypropane and phenol:

Acute dermal toxicity: LD50 (Rat, male and female): 2 000 mg/kg

Method : OECD test Guideline 402

GLP: yes

Acute toxicity (other routes of administration): no data available

Skin corrosion/irritation:

2,2'-[(1-methylethylidene)bis (4,1-phenyleneoxymethylene)]bisoxirane

Species: rabbit

Assessment: mild skin irritant

Method: OECD Test Guideline 404

Result: irritating to skin

Formaldehyde, oligomeric reaction products with 1-chloro-2,3-epoxypropane and phenol:

Species: rabbit

Assessment: mild skin irritant

Method: OECD Test Guideline 404

Result: mild skin irritation

GLP: yes

Serious eye damage/eye irritation:**Ingredients:**

2,2'-[(1-methylethylidene)bis (4,1-phenyleneoxymethylene)]bisoxirane

Species: rabbit

Assessment: mild eye irritant

Method: OECD Test Guideline 405

Result: irritating to eyes

Formaldehyde, oligomeric reaction products with 1-chloro-2,3-epoxypropane and phenol:

Species: rabbit

Assessment: no eye irritation

Method: OECD Test Guideline 405

Result: no eye irritation

GLP: yes

Respiratory or skin sensitization:**Ingredients:**

2,2'-[(1-methylethylidene)bis (4,1-phenyleneoxymethylene)]bisoxirane

Routes of exposure: skin

Species: mouse

Method: OECD Test Guideline 429

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Result: causes sensitization

Formaldehyde, polymer with 2-(chloromethyl)oxirane and phenol:

Routes of exposure: skin

Species: mouse

Method: OECD Test Guideline 429

Result: causes sensitization

Assessment: no data available

Germ cell mutagenicity:

Ingredients:

2,2'-[(1-methylethylidene)bis (4,1-phenyleneoxymethylene)]bisoxirane

Genotoxicity in vitro: Concentration: 0-25 µg/plate

Metabolic activation : with and without metabolic activation

Method: OECD Test Guideline 471

Result: negative

Metabolic activation: with and without metabolic activation

Method: OECD Test Guideline 476

Result: positive

Concentration: 0-5000 µg/plate

Metabolic activation: with and without metabolic activation

Method: OECD Test Guideline 471

Result: positive

Formaldehyde, oligomeric reaction products with 1-chloro-2,3-epoxypropane and phenol:

Genotoxicity in vitro: Metabolic activation: with and without metabolic activation

Method: OECD Test Guideline 471

Result: positive

GLP: yes

Metabolic activation: with and without metabolic activation

Method: OECD Test Guideline 473

Result: positive

GLP: yes

Metabolic activation : with and without metabolic activation

Method: OECD Test Guideline 473

Result: positive

GLP: yes

Ingredients:

2,2'-[(1-methylethylidene)bis (4,1-phenyleneoxymethylene)]bisoxirane

Genotoxicity in vitro: Cell type: germ

Application route: oral

Method: OECD Test Guideline 478

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Result: negative
Cell type: somatic
Application route: oral
Dose: 0 – 5 000 mg/kg
Method: OPPTS 870.5395
Result: negative

Formaldehyde, oligomeric reaction products with 1-chloro-2,3-epoxypropane and phenol:

Genotoxicity in vitro: Cell type: somatic
Application route: oral
Exposure time: 48 h
Dose: 2 000 mg/kg
Method: OECD Test guideline 474
Result: negative
GLP: yes

Cell type : somatic
Application route: oral
Exposure time: 48 h
Dose: 2 000 mg/kg
Method: OECD Test guideline 486
Result: negative
GLP: yes

Ingredients :

2,2'-[(1-methylethylidene)bis (4,1-phenyleneoxymethylene)]bisoxirane

Germ cell mutagenicity Assessment - Weight of evidence does not support classification as a germ cell mutagen

Germ cell mutagenicity Assessment - No data available

Carcinogenicity:

Ingredients:

2,2'-[(1-methylethylidene)bis (4,1-phenyleneoxymethylene)]bisoxirane

Species: rat (male and female)

Application route: oral

Exposure time: 24 month(s)

Dose: 15 mg/kg

Frequency of treatment: 7 days/week

Method: OECD Test Guideline 453

Result: negative

Species: mouse (male)

Application route: dermal

Exposure time: 24 month(s)

Dose: 0.1 mg/kg

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Frequency of treatment: 3 days/week

Method: OECD test guideline 453

Result: negative

Species: rat, (female)

Application route: dermal

Exposure time: 24 month(s)

Dose: 1 mg/kg

Frequency of treatment: 5 days/week

Method: OECD test guideline 453

Result: negative

Carcinogenicity Assessment - No data available

Reproductive toxicity:

Ingredients:

2,2'-[(1-methylethylidene)bis (4,1-phenyleneoxymethylene)]bisoxirane

Effects on fertility: Test type: Two-generation study

Species: rat, male and female

Application route: oral

Dose > 750 milligram per kilogram

General toxicity parent: no-observed-effect level: 540 mg/kg body weight

General toxicity F1: no-observed-effect level: 540 mg/kg body weight

Symptoms: no adverse effect

Method: OECD Test Guideline 416

Result: no effects on fertility and early embryonic development were detected

GLP: yes

Formaldehyde, oligomeric reaction products with 1-chloro-2,3-epoxypropane and phenol:

Species: rat, male and female

Application route: oral

Method: OECD test guideline 416

GLP: yes

2,2'-[(1-methylethylidene)bis (4,1-phenyleneoxymethylene)]bisoxirane

Effects on foetal development:

Species: rabbit, female

Application route: dermal

General toxicity material: NOAEL (no observed adverse effect level): 30 mg/kg body weight

Method: other guidelines

Result: no teratogenic effects

Species: rabbit, female

Application route: oral

General toxicity material: NOAEL (no observed adverse effect level): 60 mg/kg body weight

Method: OECD test guideline 414

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Result: no teratogenic effects

Species: rat, female

Application route: oral

General toxicity material: NOAEL (no observed adverse effect level): 180 mg/kg body weight

Method: OECD test guideline 414

Result: no teratogenic effects

Formaldehyde, oligomeric reaction products with 1-chloro-2,3-epoxypropane and phenol:

Species: rabbit, female

Application route: dermal

General toxicity material: NOAEL (no observed adverse effect level): 30 mg/kg body weight

Result: no teratogenic effects

GLP: yes

Reproductive toxicity Assessment - No data available

STOT-single exposure: no data available

STOT- repeated exposure: no data available

Repeated dose toxicity

Ingredients:

2,2'-[(1-methylethylidene)bis (4,1-phenyleneoxymethylene)]bisoxirane

Species: rat, male and female

NOAEL (no observed adverse effect level): 50 mg/kg

Application route: ingestion

Exposure time: 14 weeks

Number of exposures: 7 days

Method: sub chronic toxicity

Species: Rat, male and female

No observed effect level: 10 mg/kg

Application route: skin contact

Exposure time: 13 weeks

Number of exposures: 5 d

Method: sub chronic toxicity

Species: mouse, male

NOAEL (no observed adverse effect level): 100 mg/kg

Application route: skin contact

Exposure time: 13 weeks

Number of exposures: 3 d

Method : sub chronic toxicity

Formaldehyde, oligomeric reaction products with 1-chloro-2,3-epoxypropane and phenol:

Species: Rat, male and female

NOAEL (no observed adverse effect level): 250 mg/kg

Application route: ingestion

Exposure time: 13 weeks

Number of exposures: 7 d

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Method : sub chronic toxicity
Repeated dose toxicity Assessment - No data available

Aspiration toxicity

No data available

Experience with human exposure

General information: no data available

Inhalation: no data available

Skin contact: no data available

Eye contact: no data available

Ingestion: no data available

Toxicology, Metabolism, Distribution

No data available

Further information

Ingestion: no data available

Section 12 : ECOLOGICAL INFORMATION

12.1. Toxicity

Information on the product:

Avoid release to the soil, open water or the sewage

Information on the components:

*Trizinabis (orthophosphate) * 2-4 H₂O* (CAS N°: 7779-90-0, EINECS N°: 231-944-3)

Fish toxicity (acute): *Oncorhynchus mykiss* LC (50) (96 h): 1 mg/l

Crustacea toxicity (acute): *Daphnia magna*, EC (50) (48 h): 28,2 mg/l

Algae toxicity (acute): *Desmodesmus subspicatus* ErC (50) (72 h): 11 mg/l

Ingredients:

2,2'-[(1-methylethylidene)bis (4,1-phenyleneoxymethylene)]bisoxirane

Toxicity to fish: LC50 (*Oncorhynchus mykiss* (rainbow trout)): 1,5 mg/l

Exposure time: 96 h

Test tube: static test

Test substance: fresh water

Method: OECD Test Guideline 203

LC50 (*Oncorhynchus mykiss* (rainbow trout)): 1,2 mg/l

Exposure time: 96 h

Test type: semi-static test

Test substance: Fresh water

Toxicity to daphnia and other aquatic invertebrates:

EC50 (*Daphnia Magna* (water flea)): 1,7 mg/l

Exposure time: 48 h

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Test type: static test
Test substance: Fresh water
Method: OECD Test Guideline 202

EC50 (Daphnia magna (water flea)): 2,7 mg/l
Exposure time: 48 h
Test type: static test
Test substance: fresh water

Toxicity to algae: EC50 (Selenastrum capricornutum (green algae)): 9,4 mg/l
Exposure time: 72 h
Test Type: static test
Test substance: fresh water
Method: EPA-660/3-75-009

Toxicity to bacteria: IC50 (activated sludge): > 100 mg/l
Exposure time: 3 h
Test type: static test
Test substance: fresh water

Toxicity to daphnia and other aquatic invertebrates (chronic toxicity):
NOEC: 0,3 mg/l
Exposure time: 21 d
Species: daphnia magna (water flea)
Test type: semi-static test
Test substance: fresh water
Method: OECD Test Guideline 211

Formaldehyde, oligomeric reaction products with 1-chloro-2,3 epoxypropane and phenol:

Toxicity to fish: LC50 (Oncorhynchus mykiss (rainbow trout)): 0,55 mg/l
Exposure time: 96 h
Test type: semi-static test
Test substance: fresh water
Method: OECD Test Guideline 20
GLP: no

Toxicity to daphnia and other aquatic invertebrates: EC50 (Daphnia Magna (water flea)): 1,6 mg/l
Exposure time: 48 h
Test type: static test
Test substance: Fresh water
Method: OECD Test Guideline 202
GLP: no

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Toxicity to algae: EC50 (Selenastrum capricornutum (green algae)): 1,8 mg/l
Exposure time: 72 h
Test Type: static test
Test substance: fresh water
Method: OECD Test Guideline 201
GLP: no

Toxicity to bacteria: IC50 (activated sludge): > 100 mg/l
Exposure time: 3 h
Test type: static test
Test substance: fresh water
GLP: no

Toxicity to fish (chronic toxicity): GLP: yes

Toxicity to daphnia and other aquatic invertebrates (chronic toxicity):
NOEC: 0,3 mg/l
Exposure time: 21 d
Species: daphnia magna (water flea)
Test type: semi-static test
Test substance: fresh water
Method: OECD Test Guideline 211

12.2. Persistence and degradability

Ingredients

2,2'-[(1-methylethylidene)bis (4,1-phenyleneoxymethylene)]bisoxirane

Biodegradability: Inoculum: Sewage (STP effluent)
Concentration: 20 mg/l
Result: not readily biodegradable
Biodegradation: 5 %
Exposure time: 28 d
Method: OECD Test Guideline 301F

Formaldehyde, oligomeric reaction products with 1-chloro-2,3 epoxypropane and phenol:

Biodegradability: Inoculum: activated sludge
Concentration: 3 mg/l
Result: not readily biodegradable
Biodegradation: ca 0 %
Exposure time: 28 d
Method: Directive 67/548/EEC Annex V, C.4 E

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12.3. Bio-accumulative potential

Ingredients:

2,2'-[(1-methylethylidene)bis (4,1-phenyleneoxymethylene)]bisoxirane

Bio-accumulation: bioconcentration factor (BCF): 31

Remarks : does not bioaccumulate

Partition coefficient : n-octanol/water: log P_{ow} : 3,242 (25° C)

pH: 7,1

Method: OECD Test Guideline 117

GLP: yes

Formaldehyde, oligomeric reaction products with 1-chloro-2,3 epoxypropane and phenol:

Partition coefficient: n-octanol/water: log P_{ow} : 2,7 – 3,6

Method: OECD Test Guideline 117

GLP: yes

12.4. Mobility in soil

Ingredients:

2,2'-[(1-methylethylidene)bis (4,1-phenyleneoxymethylene)]bisoxirane

Distribution among environmental compartments: K_{oc} : 445

Formaldehyde, oligomeric reaction products with 1-chloro-2,3 epoxypropane and phenol:

Distribution among environmental compartments: K_{oc} : 4460

Method: OECD Test Guideline 121

12.5. Results of PBT and vPvB assessment

Not relevant

12.6. Other adverse effects

No data available

Section 13 : DISPOSAL CONSIDERATIONS

Waste treatment methods

Product: Incinerate in an appropriate incineration plant. The legal prescriptions should however be taken into account.

Non-cleaned packing: Soiled packing should be emptied as thoroughly as possible, after appropriate cleaning it can be reused. Packing which cannot be cleaned should be disposed of in the same way as the substance.

Section 14 : TRANSPORT INFORMATION

Conform Australian Dangerous Goods Code, 2018, Edition 7.6

14.1. UN number

ADR/RID: UN3082

IMDG: UN3082

ACOTEC N.V.

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9320 Aalst, Belgium

WWW.HUMIDUR.BE
INFO@ACOTEC.BE



Safety Data Sheet in accordance with 1907/2006 (REACH)

**Humidur® FP Plural, Single, Brush, QR
COMPONENT A**

30-11-2020 / REVISION 12

ICAO/IATA: UN3082

14.2. UN proper shipping name

ADR/RID: ENVIRONM. HAZ. SUBST., LIQUID, N.O.S. (BISPHENOL A/F EPOXY RESIN)

IMDG: ENVIRONM. HAZ. SUBST., LIQUID, N.O.S. (BISPHENOL A/F EPOXY RESIN)

ICAO/IATA: ENVIRONM. HAZ. SUBST., LIQUID, N.O.S. (BISPHENOL A/F EPOXY RESIN)

14.3. Transport hazard class(es)

ADR/RID: 9

IMDG: 9

ICAO/IATA: 9

14.4. Packing group

ADR/RID: III

IMDG: III

IATA: III

14.5. Environmental hazards

ADR/RID: Hazard identification N°: 90

IMDG: ENS: F-A, S-F

ICAO/IATA: /

14.6. Special precautions for user

Mail : NOT ALLOWED

14.7. Transport in bulk according to Annex II of MARPOL 73/78 and the IBC code

No data available

Section 15 : REGULATORY INFORMATION

15.1. Safety, health and environmental regulations/legislation specific for the substance or mixture

Reach – Candidate List Of Substances of very high Concern for Authorisation (Article 59): not applicable

Australia inventory (AICS): All components are listed or exempted

15.2. Chemical safety assessment

Information from the components or the conversion table (annex VII) are/is used for this assessment.

Section 16 : OTHER INFORMATION

| | |
|--------------------------------|---|
| <i>Hazard Statements:</i> H319 | Causes serious eye irritation |
| H315 | Causes skin irritation |
| H317 | May cause an allergic skin reaction |
| H411 | Toxic to aquatic life with long-lasting effects |

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Precautionary Statements:

| | |
|--------------------|---|
| P264 | Wash thoroughly after handling |
| P280 | Wear protective gloves/protective clothing/eye protection/face protection |
| P261 | Avoid breathing dust/fumes/gas/mist/vapours/spray |
| P272 | Contaminated work clothing should not be allowed out of the workplace |
| P273 | Avoid release to the environment |
| P305 + P351 + P338 | If in eyes: Rinse cautiously with water for several minutes. Remove contact lenses if present and easy to do – continue rinsing |
| P391 | Collect spillage |
| P337 + P313 | If eye irritation persists get medical advice/attention |
| P302 + P352 | If on skin: Wash with plenty of water |
| P321 | Specific treatment (see label) |
| P332 + P313 | If skin irritation occurs: Get medical advice/attention |
| P362 + P364 | Take off contaminated clothing and wash it before reuse |
| P333 + P313 | If skin irritation or a rash occurs: Get medical advice/attention |
| P501 | Dispose of contents/container in accordance with local/regional/national/ international regulation |

This information is based on our present state of knowledge. It should not therefore be construed as guaranteeing specific properties of the products described or their suitability for a particular application.

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