

Safety Data Sheet

CERAMIC POLYMER
A CHESTERTON INTERNATIONAL SUBSIDIARY

according to Regulation (EC) No 1907/2006

Ceramic-Polymer STP-EP2 (AWWA) Part B

Print date: 06.03.2017

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SECTION 1: Identification of the substance/mixture and of the company/undertaking

1.1. Product identifier

Ceramic-Polymer STP-EP2 (AWWA) Part B

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

Use of the substance/mixture

Coatings and paints, fillers, putties, thinners

1.3. Details of the supplier of the safety data sheet

| | | |
|-------------------------|--------------------------|------------------------------------|
| Company name: | Ceramic Polymer GmbH | |
| Street: | Daimlerring 9 | |
| Place: | DE-32289 Rödinghausen | |
| Telephone: | +49(0) 52 23 / 9 62 76-0 | Telefax: +49(0) 52 23 / 9 62 76-17 |
| e-mail: | info@ceramic-polymer.de | |
| Internet: | www.ceramic-polymer.de | |
| Responsible Department: | info@ceramic-polymer.de | |

1.4. Emergency telephone number:

+49(0) 551 - 1 92 40 (GIZ-Nord, 24h)

SECTION 2: Hazards identification

2.1. Classification of the substance or mixture

Regulation (EC) No. 1272/2008

Hazard categories:

Flammable liquid: Flam. Liq. 3

Skin corrosion/irritation: Skin Corr. 1B

Serious eye damage/eye irritation: Eye Dam. 1

Respiratory or skin sensitisation: Skin Sens. 1A

Hazardous to the aquatic environment: Aquatic Acute 1

Hazardous to the aquatic environment: Aquatic Chronic 1

Hazard Statements:

Causes severe skin burns and eye damage.

May cause an allergic skin reaction.

Very toxic to aquatic life with long lasting effects.

2.2. Label elements

Regulation (EC) No. 1272/2008

Hazard components for labelling

Fatty acids, tall-oil, reaction products with bisphenol A, epichlorohydrin, glycidyl tolyl ether and

triethylenetetramine

m-phenylenebis(methylamine)

3-aminopropyldimethylamine

Phenol, styrenated

Signal word: Danger

Pictograms:



Hazard statements

H314 Causes severe skin burns and eye damage.

H317 May cause an allergic skin reaction.

H410 Very toxic to aquatic life with long lasting effects.

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Precautionary statements

| | |
|-----------|---|
| P260 | Do not breathe dust/fume/gas/mist/vapours/spray. |
| P309+P311 | IF exposed or if you feel unwell: Call a POISON CENTER or doctor/physician. |
| P333+P313 | If skin irritation or rash occurs: Get medical advice/attention. |
| P337+P313 | If eye irritation persists: Get medical advice/attention. |
| P304+P340 | IF INHALED: Remove person to fresh air and keep comfortable for breathing. |
| P280 | Wear protective gloves/protective clothing/eye protection/face protection. |
| P362+P364 | Take off contaminated clothing and wash it before reuse. |
| P273 | Avoid release to the environment. |
| P270 | Do not eat, drink or smoke when using this product. |
| P403+P235 | Store in a well-ventilated place. Keep cool. |

2.3. Other hazards

No information available.

SECTION 3: Composition/information on ingredients

3.2. Mixtures

Hazardous components

| CAS No | Chemical name | Quantity | | |
|-------------|---|--------------|------------------|----------|
| | EC No | Index No | REACH No | |
| | Classification according to Regulation (EC) No. 1272/2008 [CLP] | | | |
| 186321-96-0 | Fatty acids, tall-oil, reaction products with bisphenol A, epichlorohydrin, glycidyl tolyl ether and triethylenetetramine | | | 25-<50 % |
| | | | 01-2119983521-35 | |
| | Skin Irrit. 2, Eye Dam. 1, Skin Sens. 1, Aquatic Acute 1, Aquatic Chronic 1; H315 H318 H317 H400 H410 | | | |
| 100-51-6 | benzyl alcohol | | | 10-<25 % |
| | 202-859-9 | 603-057-00-5 | 01-2119492630-38 | |
| | Acute Tox. 4, Acute Tox. 4; H302 H332 | | | |
| 1477-55-0 | m-phenylenebis(methylamine) | | | 5-<10 % |
| | 216-032-5 | | 01-2119480150-50 | |
| | Acute Tox. 4, Acute Tox. 4, Skin Corr. 1, Skin Sens. 1, Aquatic Chronic 3; H302 H332 H314 H317 H412 EUH071 | | | |
| 90-72-2 | 2,4,6-tris(dimethylaminomethyl)phenol | | | 5-<10 % |
| | 202-013-9 | 603-069-00-0 | 01-2119560597-27 | |
| | Acute Tox. 4, Skin Irrit. 2, Eye Irrit. 2; H302 H315 H319 | | | |
| 61788-44-1 | Phenol, styrenated | | | 1-<5 % |
| | 262-975-0 | | 01-2119979575-18 | |
| | Skin Irrit. 2, Eye Irrit. 2, Skin Sens. 1, Aquatic Chronic 2; H315 H319 H317 H411 | | | |
| 109-55-7 | 3-aminopropyldimethylamine | | | 1-<5 % |
| | 203-680-9 | 612-061-00-6 | 01-2119486842-27 | |
| | Flam. Liq. 3, Acute Tox. 4, Acute Tox. 4, Skin Corr. 1B, Skin Sens. 1; H226 H302 H312 H314 H317 | | | |

Full text of H and EUH statements: see section 16.

SECTION 4: First aid measures

4.1. Description of first aid measures

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General information

Change contaminated, saturated clothing. In case of accident or unwellness, seek medical advice immediately (show directions for use or safety data sheet if possible).

After inhalation

In case of inhalation of decomposition products, affected person should be moved into fresh air and kept still.

After contact with skin

After contact with skin, wash immediately with plenty of water and soap. Seek medical advice immediately.
Do not wash with: Solvents/Thinner

After contact with eyes

After contact with the eyes, rinse with water with the eyelids open for a sufficient length of time, then consult an ophthalmologist immediately.

After ingestion

If accidentally swallowed rinse the mouth with plenty of water (only if the person is conscious) and obtain immediate medical attention.
Do NOT induce vomiting.

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

Immediate medical treatment required because corrosive injuries that are not treated are hard to cure. Symptoms may develop several hours following exposure; medical observation therefore necessary for at least 48 hours.

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

First Aid, decontamination, treatment of symptoms.
After contact with skin, wash immediately with plenty of Lutrol.

SECTION 5: Firefighting measures

5.1. Extinguishing media

Suitable extinguishing media

Dry extinguishing powder. Carbon dioxide (CO₂). alcohol resistant foam. Water spray jet

Unsuitable extinguishing media

High power water jet

5.2. Special hazards arising from the substance or mixture

Carbon monoxide Carbon dioxide (CO₂). Nitrogen oxides (NO_x)

5.3. Advice for firefighters

Special protective equipment for firefighters Protective clothing. In case of fire: Wear self-contained breathing apparatus.

Additional information

Collect contaminated fire extinguishing water separately. Do not allow entering drains or surface water.

SECTION 6: Accidental release measures

6.1. Personal precautions, protective equipment and emergency procedures

See protective measures under point 7 and 8.
Provide adequate ventilation.
Personal protection equipment: see section 8
Remove persons to safety.

6.2. Environmental precautions

Do not allow to enter into surface water or drains. Cover drains. Adverse environmental effects

6.3. Methods and material for containment and cleaning up

Absorb with liquid-binding material (e.g. sand, diatomaceous earth, acid- or universal binding agents). Treat the recovered material as prescribed in the section on waste disposal.

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6.4. Reference to other sections

See protective measures under point 7 and 8. Disposal: see section 13

SECTION 7: Handling and storage

7.1. Precautions for safe handling

Advice on safe handling

See section 8. Wear personal protection equipment (refer to section 8). Keep container tightly closed.

Advice on protection against fire and explosion

Keep away from sources of heat (e.g. hot surfaces), sparks and open flames.

7.2. Conditions for safe storage, including any incompatibilities

Requirements for storage rooms and vessels

Keep container tightly closed in a cool, well-ventilated place. Keep/Store only in original container.

Advice on storage compatibility

Keep away from:
Food and feedingstuffs
Oxidising agent

Further information on storage conditions

Keep away from:
Frost
Heat
Humidity

7.3. Specific end use(s)

No information available.

SECTION 8: Exposure controls/personal protection

8.1. Control parameters

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DNEL/DMEL values

| CAS No | Substance | Exposure route | Effect | Value |
|--------------------------|---|----------------|----------|------------------------|
| 186321-96-0 | Fatty acids, tall-oil, reaction products with bisphenol A, epichlorohydrin, glycidyl tolyl ether and triethylenetetramine | | | |
| Worker DNEL, long-term | | inhalation | systemic | 23,5 mg/m ³ |
| Worker DNEL, long-term | | dermal | systemic | 3,33 mg/kg bw/day |
| Consumer DNEL, long-term | | inhalation | systemic | 5,8 mg/m ³ |
| Consumer DNEL, long-term | | dermal | systemic | 1,67 mg/kg bw/day |
| Consumer DNEL, long-term | | oral | systemic | 1,67 mg/kg bw/day |
| | | | | |
| 100-51-6 | benzyl alcohol | | | |
| Worker DNEL, long-term | | inhalation | systemic | 22 mg/m ³ |
| Worker DNEL, acute | | inhalation | systemic | 110 mg/m ³ |
| Worker DNEL, long-term | | dermal | systemic | 8 mg/kg bw/day |
| Worker DNEL, acute | | dermal | systemic | 40 mg/kg bw/day |
| Consumer DNEL, long-term | | inhalation | systemic | 5,4 mg/m ³ |
| Consumer DNEL, acute | | inhalation | systemic | 27 mg/m ³ |
| Consumer DNEL, long-term | | dermal | systemic | 4 mg/kg bw/day |
| Consumer DNEL, acute | | dermal | systemic | 20 mg/kg bw/day |
| Consumer DNEL, long-term | | oral | systemic | 4 mg/kg bw/day |
| Consumer DNEL, acute | | oral | systemic | 20 mg/kg bw/day |
| | | | | |
| 1477-55-0 | m-phenylenebis(methylamine) | | | |
| Worker DNEL, long-term | | dermal | systemic | 0,33 mg/kg bw/day |
| Worker DNEL, long-term | | inhalation | local | 0,2 mg/m ³ |
| Worker DNEL, long-term | | inhalation | systemic | 1,2 mg/m ³ |
| 61788-44-1 | Phenol, styrenated | | | |
| Worker DNEL, long-term | | inhalation | systemic | 4,11 mg/m ³ |
| Worker DNEL, long-term | | dermal | systemic | 2,92 mg/kg bw/day |
| Consumer DNEL, long-term | | inhalation | systemic | 1,01 mg/m ³ |
| Consumer DNEL, long-term | | dermal | systemic | 1,46 mg/kg bw/day |
| | | | | |
| 109-55-7 | 3-aminopropyldimethylamine | | | |
| Worker DNEL, long-term | | inhalation | systemic | 4,9 mg/m ³ |
| Worker DNEL, acute | | inhalation | systemic | 9,8 mg/m ³ |

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PNEC values

| CAS No | Substance | Value |
|--|---|---------------|
| Environmental compartment | | Value |
| 186321-96-0 | Fatty acids, tall-oil, reaction products with bisphenol A, epichlorohydrin, glycidyl tolyl ether and triethylenetetramine | |
| Freshwater | | 0,000186 mg/l |
| Marine water | | 0,000019 mg/l |
| Freshwater sediment | | 0,005 mg/kg |
| Marine sediment | | 0,0005 mg/kg |
| Soil | | 0,00089 mg/kg |
| 100-51-6 | benzyl alcohol | |
| Freshwater | | 1 mg/l |
| Marine water | | 0,1 mg/l |
| Freshwater sediment | | 5,27 mg/kg |
| Marine sediment | | 0,527 mg/kg |
| Micro-organisms in sewage treatment plants (STP) | | 39 mg/l |
| Soil | | 0,456 mg/kg |
| 1477-55-0 | m-phenylenebis(methylamine) | |
| Freshwater | | 0,094 mg/l |
| Marine water | | 0,009 mg/l |
| Freshwater sediment | | 0,43 mg/kg |
| Marine sediment | | 0,043 mg/kg |
| Micro-organisms in sewage treatment plants (STP) | | 10 mg/l |
| Soil | | 0,045 mg/kg |
| 90-72-2 | 2,4,6-tris(dimethylaminomethyl)phenol | |
| Freshwater | | 0,84 mg/l |
| Marine water | | 0,008 mg/l |
| 61788-44-1 | Phenol, styrenated | |
| Freshwater | | 0,0115 mg/l |
| Marine water | | 0,00115 mg/l |
| Freshwater sediment | | 1,564 mg/kg |
| 109-55-7 | 3-aminopropyldimethylamine | |
| Freshwater | | 0,034 mg/l |
| Marine water | | 0,003 mg/l |
| Freshwater sediment | | 0,221 mg/kg |
| Marine sediment | | 0,022 mg/kg |
| Soil | | 0,024 mg/kg |

8.2. Exposure controls

Appropriate engineering controls

Provide adequate ventilation as well as local exhaust at critical locations.

Protective and hygiene measures

Work in well-ventilated zones or use proper respiratory protection. Only wear fitting, comfortable and clean protective clothing. Avoid contact with skin, eyes and clothes. Wash hands and face before breaks and after work and take a shower if necessary.

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Eye/face protection

Suitable eye protection:
Eye glasses with side protection
goggles

Hand protection

Suitable gloves type:
NBR (Nitrile rubber) DIN EN 374,
Butyl caoutchouc (butyl rubber) DIN EN 374
Wear cotton undermitten if possible.

Skin protection

Protective clothing

Respiratory protection

If technical exhaust or ventilation measures are not possible or insufficient, respiratory protection must be worn.
Combination filtering device (EN 14387) A-P3
Self-contained respirator (breathing apparatus) (DIN EN 133)

SECTION 9: Physical and chemical properties

9.1. Information on basic physical and chemical properties

| | |
|-----------------|----------------|
| Physical state: | liquid |
| Colour: | colourless |
| Odour: | characteristic |

| | |
|----------------------|----|
| pH-Value (at 20 °C): | 10 |
|----------------------|----|

Test method

Changes in the physical state

| | |
|--|----------------|
| Melting point: | not determined |
| Initial boiling point and boiling range: | not determined |
| Sublimation point: | not determined |
| Softening point: | not determined |
| Pour point: | not determined |
| Flash point: | >95 °C |

Flammability

| | |
|--------|----------------|
| Solid: | not determined |
| Gas: | not determined |

Explosive properties

No information available.

| | |
|-------------------------|----------------|
| Lower explosion limits: | not determined |
| Upper explosion limits: | not determined |
| Ignition temperature: | not determined |

Auto-ignition temperature

| | |
|--------|----------------|
| Solid: | not determined |
| Gas: | not determined |

| | |
|----------------------------|----------------|
| Decomposition temperature: | not determined |
|----------------------------|----------------|

Oxidizing properties

No information available.

| | |
|---------------------|------------------------|
| Vapour pressure: | not determined |
| Density (at 23 °C): | ~1,3 g/cm ³ |

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Water solubility: not determined

Solubility in other solvents

No information available.

Partition coefficient: not determined

Viscosity / dynamic: not determined

Vapour density: not determined

Evaporation rate: not determined

9.2. Other information

No information available.

SECTION 10: Stability and reactivity

10.1. Reactivity

The product is stable under storage at normal ambient temperatures.

10.2. Chemical stability

The substance is chemically stable under recommended conditions of storage, use and temperature.

10.3. Possibility of hazardous reactions

Reacts with: Acid, Oxidising agent

10.4. Conditions to avoid

Keep away from sources of heat (e.g. hot surfaces), sparks and open flames.

10.5. Incompatible materials

Acid, Oxidising agent

10.6. Hazardous decomposition products

Thermal decomposition

Hazardous decomposition products: Gases

SECTION 11: Toxicological information

11.1. Information on toxicological effects

Acute toxicity

Based on available data, the classification criteria are not met.

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| CAS No | Chemical name | | | |
|-------------|---|-------------------|---------|----------------------|
| | Exposure route | Dose | Species | Source |
| 186321-96-0 | Fatty acids, tall-oil, reaction products with bisphenol A, epichlorohydrin, glycidyl tolyl ether and triethylenetetramine | | | |
| | oral | LD50 >2000 mg/kg | Rat | |
| | dermal | LD50 >2000 mg/kg | Rat | |
| 100-51-6 | benzyl alcohol | | | |
| | oral | LD50 1620 mg/kg | Rat | |
| | inhalative vapour | ATE 11 mg/l | | |
| | inhalative (4 h) aerosol | LC50 >4178 mg/l | Rat | |
| 1477-55-0 | m-phenylenebis(methylamine) | | | |
| | oral | LD50 1180 mg/kg | Mouse | OECD Guideline 401 |
| | dermal | LD50 > 3100 mg/kg | Rat | TK 11813 was applied |
| | inhalative vapour | ATE 11 mg/l | | |
| | inhalative (4 h) aerosol | LC50 1,34 mg/l | Rat | |
| 90-72-2 | 2,4,6-tris(dimethylaminomethyl)phenol | | | |
| | oral | ATE 500 mg/kg | | |
| 61788-44-1 | Phenol, styrenated | | | |
| | oral | LD50 > 2500 mg/kg | Rat | OECD Guideline 423 |
| | dermal | LD50 > 2000 mg/kg | Rat | OECD Guideline 402 |
| 109-55-7 | 3-aminopropylidimethylamine | | | |
| | oral | LD50 1870 mg/kg | Rat | GESTIS |
| | dermal | ATE 1100 mg/kg | | |

Irritation and corrosivity

Causes severe skin burns and eye damage.

Sensitising effects

May cause an allergic skin reaction.

Carcinogenic/mutagenic/toxic effects for reproduction

Based on available data, the classification criteria are not met.

STOT-single exposure

Based on available data, the classification criteria are not met.

STOT-repeated exposure

Based on available data, the classification criteria are not met.

Aspiration hazard

Based on available data, the classification criteria are not met.

SECTION 12: Ecological information

12.1. Toxicity

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| CAS No | Chemical name | | | | |
|-----------|-----------------------------|-----------------|-----------|--------------------------------|--------|
| | Aquatic toxicity | Dose | [h] [d] | Species | Source |
| 100-51-6 | benzyl alcohol | | | | |
| | Acute fish toxicity | LC50 460 mg/l | 96 h | | |
| | Acute algae toxicity | ErC50 770 mg/l | 72 h | | |
| | Acute crustacea toxicity | EC50 230 mg/l | 48 h | Daphnia magna (Big water flea) | |
| | Algae toxicity | NOEC 51 mg/l | 3 d | | |
| | Crustacea toxicity | NOEC 310 mg/l | 21 d | | |
| 1477-55-0 | m-phenylenebis(methylamine) | | | | |
| | Acute fish toxicity | LC50 87,6 mg/l | 96 h | Oryzias latipes (Ricefish) | |
| | Acute algae toxicity | ErC50 20,3 mg/l | 72 h | Selenastrum capricornutum | |
| | Acute crustacea toxicity | EC50 15,2 mg/l | 48 h | Daphnia magna (Big water flea) | |
| | Algae toxicity | NOEC 10,5 mg/l | 3 d | Selenastrum capricornutum | |
| | Crustacea toxicity | NOEC 4,7 mg/l | 21 d | Daphnia magna (Big water flea) | |

12.2. Persistence and degradability

| CAS No | Chemical name | | | |
|-----------|---|----------|----|--------|
| | Method | Value | d | Source |
| | Evaluation | | | |
| 100-51-6 | benzyl alcohol | | | |
| | OECD 301A/ ISO 7827/ EEC 92/69/V, C.4-A | 95 - 97% | 21 | |
| 1477-55-0 | m-phenylenebis(methylamine) | | | |
| | OECD 301B/ ISO 9439/ EEC 92/69/V, C.4-C | 49 % | 28 | |

12.3. Bioaccumulative potential

Partition coefficient n-octanol/water

| CAS No | Chemical name | Log Pow |
|-----------|-----------------------------|---------|
| 100-51-6 | benzyl alcohol | 1,1 |
| 1477-55-0 | m-phenylenebis(methylamine) | 0,18 |

BCF

| CAS No | Chemical name | BCF | Species | Source |
|-----------|-----------------------------|------|---------|--------|
| 100-51-6 | benzyl alcohol | 1 | | |
| 1477-55-0 | m-phenylenebis(methylamine) | <0,3 | | |

12.4. Mobility in soil

No information available.

12.5. Results of PBT and vPvB assessment

The substances in the mixture do not meet the PBT/vPvB criteria according to REACH, annex XIII.

12.6. Other adverse effects

No information available.

SECTION 13: Disposal considerations

13.1. Waste treatment methods

Advice on disposal

Dispose of waste according to applicable legislation.

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Contaminated packaging

Non-contaminated packages may be recycled. Dispose of waste according to applicable legislation.

SECTION 14: Transport information

Land transport (ADR/RID)

| | |
|--|---|
| 14.1. UN number: | UN 2735 |
| 14.2. UN proper shipping name: | AMINES, LIQUID, CORROSIVE, N.O.S. (m-Phenylenebis(methylamine); Phenol, styrenated) |
| 14.3. Transport hazard class(es): | 8 |
| 14.4. Packing group: | II |
| Hazard label: | 8 |
| Classification code: | C7 |
| Special Provisions: | 274 |
| Limited quantity: | 1 L |
| Excepted quantity: | E2 |
| Transport category: | 2 |
| Hazard No: | 80 |
| Tunnel restriction code: | E |

Inland waterways transport (ADN)

| | |
|--|---|
| 14.1. UN number: | UN 2735 |
| 14.2. UN proper shipping name: | AMINES, LIQUID, CORROSIVE, N.O.S. (m-Phenylenebis(methylamine); Phenol, styrenated) |
| 14.3. Transport hazard class(es): | 8 |
| 14.4. Packing group: | II |
| Hazard label: | 8 |
| Classification code: | C7 |
| Special Provisions: | 274 |
| Limited quantity: | 1 L |
| Excepted quantity: | E2 |

Marine transport (IMDG)

| | |
|--|---|
| 14.1. UN number: | UN 2735 |
| 14.2. UN proper shipping name: | AMINES, LIQUID, CORROSIVE, N.O.S. (m-Phenylenebis(methylamine); Phenol, styrenated) |
| 14.3. Transport hazard class(es): | 8 |
| 14.4. Packing group: | II |
| Hazard label: | 8 |
| Marine pollutant: | pp |
| Special Provisions: | 274 |
| Limited quantity: | 1 L |
| Excepted quantity: | E2 |
| EmS: | F-A, S-B |
| Segregation group: | 18 - alkalis |

Air transport (ICAO-TI/IATA-DGR)

| | |
|--|---|
| 14.1. UN number: | UN 2735 |
| 14.2. UN proper shipping name: | AMINES, LIQUID, CORROSIVE, N.O.S. (m-Phenylenebis(methylamine); Phenol, styrenated) |
| 14.3. Transport hazard class(es): | 8 |
| 14.4. Packing group: | II |
| Hazard label: | 8 |

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| | |
|--|---------|
| Special Provisions: | A3 A803 |
| Limited quantity Passenger: | 0.5 L |
| Passenger LQ: | Y840 |
| Excepted quantity: | E2 |
| IATA-packing instructions - Passenger: | 851 |
| IATA-max. quantity - Passenger: | 1 L |
| IATA-packing instructions - Cargo: | 855 |
| IATA-max. quantity - Cargo: | 30 L |

14.5. Environmental hazards

| | |
|-----------------------------|---|
| ENVIRONMENTALLY HAZARDOUS: | yes |
| Danger releasing substance: | Fatty acids, tall-oil, reaction products with bisphenol A, epichlorohydrin, glycidyl tolyl ether and triethylenetetramine |

14.6. Special precautions for user

No information available.

14.7. Transport in bulk according to Annex II of Marpol and the IBC Code

No information available.

SECTION 15: Regulatory information

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

National regulatory information

| | |
|--------------------------------|--|
| Employment restrictions: | Observe restrictions to employment for juvenils according to the 'juvenile work protection guideline' (94/33/EC). Observe employment restrictions under the Maternity Protection Directive (92/85/EEC) for expectant or nursing mothers. Observe employment restrictions for women of child-bearing age. |
| Water contaminating class (D): | 2 - water contaminating |

15.2. Chemical safety assessment

For the following substances of this mixture a chemical safety assessment has been carried out:

Fatty acids, tall-oil, reaction products with bisphenol A, epichlorohydrin, glycidyl tolyl ether and triethylenetetramine

benzyl alcohol

m-phenylenebis(methylamine)

2,4,6-tris(dimethylaminomethyl)phenol

Phenol, styrenated

3-aminopropyldimethylamine

SECTION 16: Other information

Abbreviations and acronyms

ADR: Accord européen sur le transport des marchandises dangereuses par Route

(European Agreement concerning the International Carriage of Dangerous Goods by Road)

RID: Règlement international conernat le transport des marchandises dangereuses par chemin de fer

(Regulations Concerning the International Transport of Dangerous Goods by Rail)

IMDG: International Maritime Code for Dangerous Goods

IATA: International Air Transport Association

IATA-DGR: Dangerous Goods Refulations by the "International Air Transport Association" (IATA)

ICAO: International Civil Aviation Organization

ICAO-TI: Technical Instructions by the "International Civil Aviation Organization" (ICAO)

CAS: Chemical Abstracts Service (division of the American Chemical Society)

GHS: Globally Harmonized System of Classification and Labelling of Chemicals

CLP: Regulation on Classification, Labelling and Packaging of Substances and Mixtures,

LC50: Lethal concentration, 50 percent

Safety Data Sheet

CERAMIC POLYMER
A CHESTERTON INTERNATIONAL SUBSIDIARY

according to Regulation (EC) No 1907/2006

Ceramic-Polymer STP-EP2 (AWWA) Part B

Print date: 06.03.2017

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LD50: Lethal dose, 50 percent
EC50: Effectice concentration, 50 percent
DNEL: Derived No Effect Level
PNEC: Predicted No Effect Concentration
PBT: Persistent, Bioaccumulative and Toxic
vPvB: very Persistent and very Bioaccumulative

Relevant H and EUH statements (number and full text)

| | |
|--------|---|
| H226 | Flammable liquid and vapour. |
| H302 | Harmful if swallowed. |
| H312 | Harmful in contact with skin. |
| H314 | Causes severe skin burns and eye damage. |
| H315 | Causes skin irritation. |
| H317 | May cause an allergic skin reaction. |
| H318 | Causes serious eye damage. |
| H319 | Causes serious eye irritation. |
| H332 | Harmful if inhaled. |
| H400 | Very toxic to aquatic life. |
| H410 | Very toxic to aquatic life with long lasting effects. |
| H411 | Toxic to aquatic life with long lasting effects. |
| H412 | Harmful to aquatic life with long lasting effects. |
| EUH071 | Corrosive to the respiratory tract. |

Further Information

The above information describes exclusively the safety requirements of the product and is based on our present-day knowledge. The information is intended to give you advice about the safe handling of the product named in this safety data sheet, for storage, processing, transport and disposal. The information cannot be transferred to other products. In the case of mixing the product with other products or in the case of processing, the information on this safety data sheet is not necessarily valid for the new made-up material.

(The data for the hazardous ingredients were taken respectively from the last version of the sub-contractor's safety data sheet.)