SAFETY DATA SHEET
Aristech Solid Surface Adhesive (Part A)

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

1.1. Product identifier
Product name: Aristech Solid Surface Adhesive (Part A)

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

1.3. Details of the supplier of the safety data sheet
Supplier: Aristech Surfaces LCC
Suite 220, Afon House
Worthing Road
Horsham
West Sussex
RH12 1TL
United Kingdom
+44 (0)1403788242
info@aristechsurfaces.com

1.4. Emergency telephone number
Emergency telephone: +44 (0)1403 788242

SECTION 2: Hazards identification

2.1. Classification of the substance or mixture
Classification (EC 1272/2008)
Physical hazards: Flam. Liq. 2 - H225
Health hazards: Skin Irrit. 2 - H315 Eye Irrit. 2 - H319 Skin Sens. 1 - H317 STOT SE 3 - H335
Environmental hazards: Aquatic Chronic 3 - H412

2.2. Label elements
Pictogram

Signal word: Danger

Hazard statements: H225 Highly flammable liquid and vapour.
H315 Causes skin irritation.
H317 May cause an allergic skin reaction.
H319 Causes serious eye irritation.
H335 May cause respiratory irritation.
H412 Harmful to aquatic life with long lasting effects.
Aristech Solid Surface Adhesive (Part A)

Precautionary statements

P210 Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking.
P240 Ground and bond container and receiving equipment.
P241 Use explosion-proof electrical equipment.
P242 Use non-sparking tools.
P243 Take action to prevent static discharges.
P261 Avoid breathing vapour/spray.
P264 Wash contaminated skin thoroughly after handling.
P271 Use only outdoors or in a well-ventilated area.
P272 Contaminated work clothing should not be allowed out of the workplace.
P273 Avoid release to the environment.
P280 Wear protective gloves/protective clothing/eye protection/face protection.
P302+P352 IF ON SKIN: Wash with plenty of water.
P303+P361+P353 IF ON SKIN (or hair): Take off immediately all contaminated clothing.
Rinse skin with water or shower.
P304+P340 IF INHALED: Remove person to fresh air and keep comfortable for breathing.
P305+P351+P338 IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.
P312 Call a POISON CENTRE/doctor if you feel unwell.
P313 Specific treatment (see medical advice on this label).
P332+P313 If skin irritation occurs: Get medical advice/attention.
P333+P313 If skin irritation or rash occurs: Get medical advice/attention.
P337+P313 If eye irritation persists: Get medical advice/attention.
P362+P364 Take off contaminated clothing and wash it before reuse.
P370+P378 In case of fire: Use foam, carbon dioxide, dry powder or water fog to extinguish.
P403+P233 Store in a well-ventilated place. Keep container tightly closed.
P403+P235 Store in a well-ventilated place. Keep cool.
P405 Store locked up.
P501 Dispose of contents/container in accordance with national regulations.

Contains

methyl methacrylate

2.3. Other hazards

SECTION 3: Composition/information on ingredients

3.2. Mixtures

<table>
<thead>
<tr>
<th>methyl methacrylate</th>
<th>35-50%</th>
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<tr>
<td>CAS number: 80-62-6</td>
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Classification

Flam. Liq. 2 - H225
Skin Irrit. 2 - H315
Skin Sens. 1 - H317
STOT SE 3 - H335

<table>
<thead>
<tr>
<th>Alkyl Methacrylic Alkylacrylate Copolymer</th>
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</tr>
</thead>
<tbody>
<tr>
<td>CAS number: 25852-37-3</td>
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</tbody>
</table>

Classification

Aquatic Chronic 3 - H412
Aristech Solid Surface Adhesive (Part A)

**Di isopropanol-p-toluidin**

CAS number: 38668-48-3

Classification
Acute Tox. 3 - H301

<1%

**1-Dodecanethiol**

CAS number: 112-55-0

M factor (Acute) = 1
M factor (Chronic) = 1

Classification
Skin Corr. 1B - H314
Eye Dam. 1 - H318
Aquatic Acute 1 - H400
Aquatic Chronic 1 - H410

<1%

The full text for all hazard statements is displayed in Section 16.

### SECTION 4: First aid measures

#### 4.1. Description of first aid measures

**Inhalation**
Move affected person to fresh air at once. If breathing stops, provide artificial respiration. Get medical attention.

**Ingestion**
Give plenty of water to drink. Never give anything by mouth to an unconscious person. Do not induce vomiting.

**Skin contact**
Brush off loose particles from skin. Wash skin thoroughly with soap and water. After contact with skin, take off immediately all contaminated clothing, and wash immediately with plenty of water. Get medical attention immediately.

**Eye contact**
Wash with plenty of water for at least 20 minutes. Remove contact lenses, if present and easy to do. Continue rinsing. Get medical attention immediately.

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

**Inhalation**

**Skin contact**
Causes mild skin irritation. May cause sensitisation by skin contact.

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

Notes for the doctor
Treat symptomatically.

### SECTION 5: Firefighting measures

#### 5.1. Extinguishing media

**Suitable extinguishing media**
Extinguish with the following media: Carbon dioxide (CO2). Dry chemicals. Foam.

#### 5.2. Special hazards arising from the substance or mixture

**Specific hazards**
Vapours may accumulate on the floor and in low-lying areas.

**Hazardous combustion products**
Oxides of carbon.
Aristech Solid Surface Adhesive (Part A)

5.3. Advice for firefighters
Special protective equipment for firefighters
Wear positive-pressure self-contained breathing apparatus (SCBA) and appropriate protective clothing.

SECTION 6: Accidental release measures
6.1. Personal precautions, protective equipment and emergency procedures
Personal precautions
Avoid contact with skin and eyes. For personal protection, see Section 8.

6.2. Environmental precautions
Environmental precautions
Avoid discharge into drains or watercourses or onto the ground.

6.3. Methods and material for containment and cleaning up
Methods for cleaning up
Contain and absorb spillage with sand, earth or other non-combustible material. Collect and dispose of spillage as indicated in Section 13.

6.4. Reference to other sections
Reference to other sections
For personal protection, see Section 8. For waste disposal, see Section 13.

SECTION 7: Handling and storage
7.1. Precautions for safe handling
Usage precautions
Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking. Do not breathe gas, fume, vapours or spray.

7.2. Conditions for safe storage, including any incompatibilities
Storage precautions
Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking. Protect from sunlight. Keep away from food, drink and animal feeding stuffs. Store away from the following materials: Avoid contact with oxidising agents. Alkali metal Peroxides Sulphuric acid

Storage class
Flammable liquid storage.

7.3. Specific end use(s)
Specific end use(s)
The identified uses for this product are detailed in Section 1.2.

SECTION 8: Exposure Controls/personal protection
8.1. Control parameters
Occupational exposure limits
methyl methacrylate
Long-term exposure limit (8-hour TWA): WEL 50 ppm  208 mg/m³
Short-term exposure limit (15-minute):  WEL 100 ppm  416 mg/m³
WEL = Workplace Exposure Limit

8.2. Exposure controls
Hand protection
For exposure up to 4 hours, wear gloves made of the following material: Butyl rubber. Polyvinyl chloride (PVC). Viton rubber (fluoro rubber).

Respiratory protection
NIOSH recommendations for methyl methacrylate concentrations in air: up to 1000ppm: SAR operated in a continuous flow mode; or full-face piece chemical cartridge respirator with organic vapour cartridge; gas mask with organic vapour canister; or powered air-purifying respirator with organic vapour cartridge; or full-faced SCBA; or full-faced SAR

SECTION 9: Physical and Chemical Properties
9.1. Information on basic physical and chemical properties
Aristech Solid Surface Adhesive (Part A)

**Appearance**
Clear liquid.

**Colour**
Colourless.

**Odour**
Characteristic.

**Odour threshold**
Not available.

**pH**
Not available.

**Melting point**
Not available.

**Initial boiling point and range**
101°C @

**Flash point**
9°C Tag closed cup.

**Evaporation rate**
Not available.

**Upper/lower flammability or explosive limits**
Lower flammable/explosive limit: 2.1 Upper flammable/explosive limit: 12.5

**Vapour pressure**
29 mm Hg @ °C

**Vapour density**
Not available.

**Solubility(ies)**
Slightly soluble in water.

**Partition coefficient**
Not available.

**Auto-ignition temperature**
435°C

**Decomposition Temperature**
Not available.

**Viscosity**
No information available.

**Explosive properties**
Not available.

**Oxidising properties**
Not available.

**9.2. Other information**
None.

**SECTION 10: Stability and reactivity**

**10.1. Reactivity**
Reactivity
See Section 10.3 (Possibility of hazardous reactions) for further information.

**10.2. Chemical stability**
Stability
Stable at normal ambient temperatures and when used as recommended.

**10.3. Possibility of hazardous reactions**
Possibility of hazardous reactions
May polymerise violently with risk of fire and explosion. Uninhibited methyl methacrylate with low inhibitor concentration, polymerises slowly at room temperature and on exposure to light and air, and readily at elevated temperatures greater than 65°C. Polymerisation becomes self-sustaining above 95°C, metal salts (e.g. ferric or aluminium chloride), peroxides, oxidisers and strong acids may also cause polymerisation.

**10.4. Conditions to avoid**
Conditions to avoid
Avoid heat, flames and other sources of ignition.

**10.5. Incompatible materials**
Materials to avoid

**10.6. Hazardous decomposition products**
Aristech Solid Surface Adhesive (Part A)

**Hazardous decomposition products**
Carbon.

**SECTION 11: Toxicological information**

11.1. Information on toxicological effects

**Acute toxicity - oral**
ATE oral (mg/kg) 11,111.11

**Carcinogenicity**
Does not contain any substances known to be carcinogenic.

**Skin contact**
May cause sensitisation by skin contact.

**SECTION 12: Ecological Information**

**Ecotoxicity**
There are no data on the ecotoxicity of this product.

12.1. Toxicity

**Ecotoxicity**

**Toxicity**
Based on a classification scheme, a Koc value of 95 indicates that methyl methacrylate is expected to have high mobility in soil. Volatilisation of methyl methacrylate from moist soil surfaces is expected to be an important fate process given an estimated Henry's Law constant of 3.2x10^-4 atm-cu m/mole, from it's vapour pressure of 38.5 mmHg and water solubility of 1.6x10^4. The potential for volatilisation of methyl methacrylate from dry soil surfaces may exist based upon it's vapour pressure. Screening tests indicate that methyl methacrylate is readily biodegradable; it reached 94% of its theoretical BOD in 2 weeks using activated sludge inoculum.

12.2. Persistence and degradability

**Persistence and degradability**
The product is more than 80% biodegradable.

12.3. Bioaccumulative potential

**Bioaccumulative potential**
The product does not contain any substances expected to be bioaccumulating.

**Partition coefficient**
Not available.

12.4. Mobility in soil

**Mobility**
Not available

12.5. Results of PBT and vPvB assessment

**Results of PBT and vPvB assessment**
This product does not contain any substances classified as PBT or vPvB.

12.6. Other adverse effects

**Other adverse effects**
Not available.

**SECTION 13: Disposal considerations**

13.1. Waste treatment methods

**General information**
Dispose of waste product or used containers in accordance with local regulations

**Disposal methods**
Dispose of waste product or used containers in accordance with local regulations

**SECTION 14: Transport information**
Aristech Solid Surface Adhesive (Part A)

14.1. UN number
UN No. (ADR/RID) 1133
UN No. (IMDG) 1133
UN No. (ICAO) 1133
UN No. (ADN) 1133

14.2. UN proper shipping name
Proper shipping name (ADR/RID) ADHESIVES
Proper shipping name (IMDG) ADHESIVES
Proper shipping name (ICAO) ADHESIVES
Proper shipping name (ADN) ADHESIVES

14.3. Transport hazard class(es)
ADR/RID class 3
ADR/RID classification code F1
ADR/RID label 3
IMDG class 3
ICAO class/division 3
ADN class 3

14.4. Packing group
ADR/RID packing group II
IMDG packing group II
ADN packing group II
ICAO packing group II

14.5. Environmental hazards
Environmentally hazardous substance/marine pollutant No.

14.6. Special precautions for user
EmS F-E, S-D
ADR transport category 2
Emergency Action Code 3YE
Hazard Identification Number (ADR/RID) 33
Tunnel restriction code (D/E)

14.7. Transport in bulk according to Annex II of MARPOL and the IBC Code
Aristech Solid Surface Adhesive (Part A)

SECTION 15: Regulatory information

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

**EU legislation**


15.2. Chemical safety assessment

No chemical safety assessment has been carried out.

SECTION 16: Other information

<table>
<thead>
<tr>
<th>Revision date</th>
<th>14/08/2015</th>
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</thead>
<tbody>
<tr>
<td>SDS number</td>
<td>5474</td>
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</tbody>
</table>
| Hazard statements in full | H225 Highly flammable liquid and vapour.  
H301 Toxic if swallowed.  
H314 Causes severe skin burns and eye damage.  
H315 Causes skin irritation.  
H317 May cause an allergic skin reaction.  
H318 Causes serious eye damage.  
H335 May cause respiratory irritation.  
H400 Very toxic to aquatic life.  
H410 Very toxic to aquatic life with long lasting effects.  
H412 Harmful to aquatic life with long lasting effects. |

PRECAUTIONS: This product and the auxiliary materials normally combined with it are capable of producing adverse health effects ranging from minor skin irritation to serious systemic effects. None of these materials should be used, stored, or transported until the handling precautions and recommendations as stated in the Material Safety Data Sheets (MSDS) for this and all other products being used are understood by all persons who will work with the product.

WARRANTY: All products purchased from or supplied by Aristech Surfaces LLC are subject to terms and conditions set out in the contract. Aristech Surfaces LLC warrants only that its product will meet those specifications designated as such herein or in other publications. All other information supplied by Aristech Surfaces LLC is consider accurate but are furnished upon the express condition the customer shall make its own assessment to determine the product’s suitability for a particular purpose. Aristech Surfaces LLC makes no other warranty, either express or implied, including those regarding such other information, the data upon which the same is based, or the results to be obtained from the use thereof; that any product shall be merchantable or fit for any particular purpose; or that the use of such other information or product will not infringe any patent.
SAFETY DATA SHEET
Aristech Solid Surface Adhesive (Part B)

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

1.1. Product identifier
Product name          Aristech Solid Surface Adhesive (Part B)

1.2. Relevant identified uses of the substance or mixture and uses advised against
Identified uses         Two-component, MMA based adhesive
Uses advised against   No specific uses advised against are identified.

1.3. Details of the supplier of the safety data sheet
Supplier                Aristech Surfaces LCC
                        Suite 220, Afon House
                        Worthing Road
                        Horsham
                        West Sussex
                        RH12 1TL
                        United Kingdom
                        +44 (0)1403788242
                        info@aristechsurfaces.com

1.4. Emergency telephone number
Emergency telephone     +44 (0)1403 788242

SECTION 2: Hazards identification

2.1. Classification of the substance or mixture
Classification (EC 1272/2008)
Physical hazards          Not Classified
Health hazards            Skin Irrit. 2 - H315 Eye Irrit. 2 - H319 Skin Sens. 1 - H317
Environmental hazards     Aquatic Chronic 2 - H411

2.2. Label elements
Pictogram

Signal word          Warning
Hazard statements    H315 Causes skin irritation.
                        H317 May cause an allergic skin reaction.
                        H319 Causes serious eye irritation.
                        H411 Toxic to aquatic life with long lasting effects.
Aristech Solid Surface Adhesive (Part B)

Precautionary statements
- P261 Avoid breathing vapour/spray.
- P264 Wash contaminated skin thoroughly after handling.
- P272 Contaminated work clothing should not be allowed out of the workplace.
- P273 Avoid release to the environment.
- P280 Wear protective gloves/protective clothing/eye protection/face protection.
- P302+P352 IF ON SKIN: Wash with plenty of water.
- P305+P351+P338 IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.
- P321 Specific treatment (see medical advice on this label).
- P332+P313 If skin irritation occurs: Get medical advice/attention.
- P333+P313 If skin irritation or rash occurs: Get medical advice/attention.
- P337+P313 If eye irritation persists: Get medical advice/attention.
- P362+P364 Take off contaminated clothing and wash it before reuse.
- P391 Collect spillage.
- P501 Dispose of contents/container in accordance with national regulations.

2.3. Other hazards

SECTION 3: Composition/information on ingredients

3.2. Mixtures

<table>
<thead>
<tr>
<th>Reaction Product: Bisphenol-A-(Epichlorhydrin)</th>
<th>70-80%</th>
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<tr>
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<td>EC number: 500-033-5</td>
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<table>
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<tr>
<td>Skin Irrit. 2 - H315</td>
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<tr>
<td>Eye Irrit. 2 - H319</td>
</tr>
<tr>
<td>Skin Sens. 1 - H317</td>
</tr>
<tr>
<td>Aquatic Chronic 2 - H411</td>
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</table>

<table>
<thead>
<tr>
<th>Dibenzoyl Peroxide</th>
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<td>Org. Perox. B - H241</td>
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<tr>
<td>Eye Irrit. 2 - H319</td>
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<tr>
<td>Skin Sens. 1 - H317</td>
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<table>
<thead>
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<th>Di-isononyl Phthalate</th>
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<table>
<thead>
<tr>
<th>Classification</th>
</tr>
</thead>
<tbody>
<tr>
<td>Not Classified</td>
</tr>
</tbody>
</table>

The full text for all hazard statements is displayed in Section 16.

SECTION 4: First aid measures

4.1. Description of first aid measures

Inhalation: Move affected person to fresh air at once. If breathing stops, provide artificial respiration.

Ingestion: Give plenty of water to drink. Never give anything by mouth to an unconscious person. Do not induce vomiting.
Aristech Solid Surface Adhesive (Part B)

Skin contact
Brush off loose particles from skin. Wash skin thoroughly with soap and water. After contact with skin, take off immediately all contaminated clothing, and wash immediately with plenty of water. Get medical attention immediately.

Eye contact
Wash with plenty of water for at least 20 minutes. Remove contact lenses, if present and easy to do. Continue rinsing. Get medical attention immediately.

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

Inhalation

Skin contact
Causes mild skin irritation. May cause sensitisation by skin contact.

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

Notes for the doctor
Treat symptomatically.

SECTION 5: Firefighting measures

5.1. Extinguishing media
Suitable extinguishing media
Extinguish with the following media: Carbon dioxide (CO2). Dry chemicals. Foam.

5.2. Special hazards arising from the substance or mixture
Hazardous combustion products
Oxides of carbon. Carbon dioxide (CO2). Carbon monoxide (CO).

5.3. Advice for firefighters
Special protective equipment for firefighters
Wear positive-pressure self-contained breathing apparatus (SCBA) and appropriate protective clothing.

SECTION 6: Accidental release measures

6.1. Personal precautions, protective equipment and emergency procedures
Personal precautions
Avoid contact with skin and eyes. For personal protection, see Section 8.

6.2. Environmental precautions
Environmental precautions
Avoid discharge into drains or watercourses or onto the ground. Toxic to aquatic life with long lasting effects.

6.3. Methods and material for containment and cleaning up
Methods for cleaning up
Contain and absorb spillage with sand, earth or other non-combustible material. Collect and dispose of spillage as indicated in Section 13.

6.4. Reference to other sections
Reference to other sections
For personal protection, see Section 8. For waste disposal, see Section 13.

SECTION 7: Handling and storage

7.1. Precautions for safe handling
Usage precautions
Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking. Do not breathe gas, fume, vapours or spray.

7.2. Conditions for safe storage, including any incompatibilities
Aristech Solid Surface Adhesive (Part B)

**Storage precautions**
Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking. Protect from sunlight. Keep away from food, drink and animal feeding stuffs. Store away from the following materials: Avoid contact with oxidising agents. Alkali metal Peroxides Acids.

**Storage class**
Environmentally hazardous liquids

**7.3. Specific end use(s)**
The identified uses for this product are detailed in Section 1.2.

**SECTION 8: Exposure Controls/personal protection**

**8.1. Control parameters**

**Occupational exposure limits**

**Di-isononyl phthalate**

Long-term exposure limit (8-hour TWA): WEL 5 mg/m³
WEL = Workplace Exposure Limit

**8.2. Exposure controls**

**Protective equipment**

**Eye/face protection**
Wear eye protection.

**Hand protection**
For exposure up to 4 hours, wear gloves made of the following material: Butyl rubber. Polyvinyl chloride (PVC). Viton rubber (fluoro rubber).

**Respiratory protection**
Use approved respirator if air contamination is above an acceptable level.

**SECTION 9: Physical and Chemical Properties**

**9.1. Information on basic physical and chemical properties**

**Appearance**
Paste.

**Colour**
Colourless.

**Odour**
Slight.

**Odour threshold**
Not available.

**pH**
Not available.

**Melting point**
Not available.

**Initial boiling point and range**
340°C @

**Flash point**
> 100°C

**Evaporation rate**
Not available.

**Upper/lower flammability or explosive limits**
Not available.

**Vapour pressure**
1.3 hPa @ °C

**Vapour density**
Not available.

**Relative density**
9.6 (Air=1.0)

**Solubility(ies)**
Slightly soluble in water.
## Aristech Solid Surface Adhesive (Part B)

<table>
<thead>
<tr>
<th>Property</th>
<th>Value</th>
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<tbody>
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<td>Partition coefficient</td>
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<td>Auto-ignition temperature</td>
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<tr>
<td>Decomposition Temperature</td>
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<tr>
<td>Viscosity</td>
<td>No information available.</td>
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<td>Explosive properties</td>
<td>Not available.</td>
</tr>
<tr>
<td>Oxidising properties</td>
<td>Not available.</td>
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</tbody>
</table>

### 9.2. Other information

Other information: None.

### SECTION 10: Stability and reactivity

#### 10.1. Reactivity

**Reactivity:** See Section 10.3 (Possibility of hazardous reactions) for further information.

#### 10.2. Chemical stability

**Stability:** Stable at normal ambient temperatures and when used as recommended.

#### 10.3. Possibility of hazardous reactions

**Possibility of hazardous reactions:** May polymerise violently with risk of fire and explosion. Polymerisation becomes self-sustaining above 95°C. Metal salts (e.g. ferric or aluminium chloride), peroxides, oxidisers and strong acids may also cause polymerisation.

#### 10.4. Conditions to avoid

**Conditions to avoid:** Avoid heat, flames and other sources of ignition. Avoid exposure to high temperatures or direct sunlight.

#### 10.5. Incompatible materials

**Materials to avoid:** Part B is an organic peroxide listed as an incompatible substance to Part A. Mixing Part A and B must be done under controlled conditions as prescribed in the product directions. The resin dispensers provided with the resin kits are adequate for measuring correct amounts of each part. Strong acids. Strong oxidising agents. Amines.

#### 10.6. Hazardous decomposition products

**Hazardous decomposition products:** None known.

### SECTION 11: Toxicological information

#### 11.1. Information on toxicological effects

**Carcinogenicity:** Does not contain any substances known to be carcinogenic.

**Skin contact:** May cause sensitisation by skin contact.

### SECTION 12: Ecological Information

**Ecotoxicity:** The product contains a substance which is toxic to aquatic organisms and which may cause long-term adverse effects in the aquatic environment.
Aristech Solid Surface Adhesive (Part B)

Toxicity

Based on a classification scheme, as estimated Koc value of 1,800, determined from an experimental log Kow of 3.46 and recommended regression-derived equation, indicates that benzoyl peroxide is expected to have low mobility in soil. Volatilisation of benzoyl peroxide from moist soil surfaces is expected to be an important fate process given an estimated Henry's Law constant of 3.5x10^-6 atm-cu m/mole, using a fragment constant estimation method. Benzoyl peroxide is not expected to volatilise from dry soil surfaces based on an estimated vapour pressure of 7.1x10^-5 mm Hg, determined from a fragment constant method. In the Japanese MITI test, benzoyl peroxide (present at 100ppm) reached 84% of its theoretical BOD in 21 days, using activated sludge inoculum.

12.2. Persistence and degradability

Persistence and degradability The product is more than 80% biodegradable.

12.3. Bioaccumulative potential

Bioaccumulative potential Bioconcentration of benzoyl peroxide in aquatic organisms is expected to be high

Partition coefficient Not available.

12.4. Mobility in soil

Mobility Not available

12.5. Results of PBT and vPvB assessment

Results of PBT and vPvB assessment This product does not contain any substances classified as PBT or vPvB.

12.6. Other adverse effects

Other adverse effects Not available.

SECTION 13: Disposal considerations

13.1. Waste treatment methods

General information Dispose of waste product or used containers in accordance with local regulations

Disposal methods Dispose of waste product or used containers in accordance with local regulations

SECTION 14: Transport information

Road transport notes Limited Quantities 5L Maximum net quantity per inner packaging: 30ml Maximum net quantity per outer packaging: 1000ml

Sea transport notes Limited Quantities 5L Maximum net quantity per inner packaging: 30ml Maximum net quantity per outer packaging: 1000ml

14.1. UN number

UN No. (ADR/RID) 3082

UN No. (IMDG) 3082

UN No. (ICAO) 3082

UN No. (ADN) 3082

14.2. UN proper shipping name

Proper shipping name (ADR/RID) ENVIRONMENTALLY HAZARDOUS SUBSTANCE, LIQUID, N.O.S. (epoxy resin)

Proper shipping name (IMDG) ENVIRONMENTALLY HAZARDOUS SUBSTANCE, LIQUID, N.O.S. (epoxy resin) MARINE POLLUTANT
Aristech Solid Surface Adhesive (Part B)

Proper shipping name (ICAO)  ENVIRONMENTALLY HAZARDOUS SUBSTANCE, LIQUID, N.O.S.
Proper shipping name (ADN)  ENVIRONMENTALLY HAZARDOUS SUBSTANCE, LIQUID, N.O.S.

14.3. Transport hazard class(es)
ADR/RID class  9
ADR/RID classification code  M6
ADR/RID label  9
IMDG class  9
ICAO class/division  9
ADN class  9

Transport labels

14.4. Packing group
ADR/RID packing group  III
IMDG packing group  III
ADN packing group  III
ICAO packing group  III

14.5. Environmental hazards
Environmentally hazardous substance/marine pollutant

14.6. Special precautions for user
EmS  F-A, S-F
ADR transport category  3
Emergency Action Code  3Z
Hazard Identification Number (ADR/RID)  90

Tunnel restriction code  (E)

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

SECTION 15: Regulatory information

15.1. Safety, health and environmental regulations/legislation specific for the substance or mixture
Aristech Solid Surface Adhesive (Part B)

EU legislation


15.2. Chemical safety assessment

No chemical safety assessment has been carried out.

SECTION 16: Other information

Revision date 11/07/2016
Revision 3
Supersedes date 22/06/2016
SDS number 5475

Hazard statements in full

H241 Heating may cause a fire or explosion.
H315 Causes skin irritation.
H317 May cause an allergic skin reaction.
H319 Causes serious eye irritation.
H411 Toxic to aquatic life with long lasting effects.

PRECAUTIONS: This product and the auxiliary materials normally combined with it are capable of producing adverse health effects ranging from minor skin irritation to serious systemic effects. None of these materials should be used, stored, or transported until the handling precautions and recommendations as stated in the Material Safety Data Sheets (MSDS) for this and all other products being used are understood by all persons who will work with the product.

WARRANTY: All products purchased from or supplied by Aristech Surfaces LLC are subject to terms and conditions set out in the contract. Aristech Surfaces LLC warrants only that its product will meet those specifications designated as such herein or in other publications. All other information supplied by Aristech Surfaces LLC is consider accurate but are furnished upon the express condition the customer shall make its own assessment to determine the product’s suitability for a particular purpose. Aristech Surfaces LLC makes no other warranty, either express or implied, including those regarding such other information, the data upon which the same is based, or the results to be obtained from the use thereof; that any product shall be merchantable or fit for any particular purpose; or that the use of such other information or product will not infringe any patent.