



SAFETY DATA SHEET

Aristech Solid Surface Adhesive (Part A)

According to Regulation (EC) No 1907/2006, Annex II, as amended by Regulation (EU) No 453/2010

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)

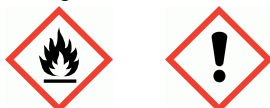
Physical hazards Flam. Liq. 2 - H225

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	<p>P210 Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking.</p> <p>P240 Ground and bond container and receiving equipment.</p> <p>P241 Use explosion-proof electrical equipment.</p> <p>P242 Use non-sparking tools.</p> <p>P243 Take action to prevent static discharges.</p> <p>P261 Avoid breathing vapour/ spray.</p> <p>P264 Wash contaminated skin thoroughly after handling.</p> <p>P271 Use only outdoors or in a well-ventilated area.</p> <p>P272 Contaminated work clothing should not be allowed out of the workplace.</p> <p>P273 Avoid release to the environment.</p> <p>P280 Wear protective gloves/ protective clothing/ eye protection/ face protection.</p> <p>P302+P352 IF ON SKIN: Wash with plenty of water.</p> <p>P303+P361+P353 IF ON SKIN (or hair): Take off immediately all contaminated clothing. Rinse skin with water or shower.</p> <p>P304+P340 IF INHALED: Remove person to fresh air and keep comfortable for breathing.</p> <p>P305+P351+P338 IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.</p> <p>P312 Call a POISON CENTRE/doctor if you feel unwell.</p> <p>P321 Specific treatment (see medical advice on this label).</p> <p>P332+P313 If skin irritation occurs: Get medical advice/ attention.</p> <p>P333+P313 If skin irritation or rash occurs: Get medical advice/ attention.</p> <p>P337+P313 If eye irritation persists: Get medical advice/ attention.</p> <p>P362+P364 Take off contaminated clothing and wash it before reuse.</p> <p>P370+P378 In case of fire: Use foam, carbon dioxide, dry powder or water fog to extinguish.</p> <p>P403+P233 Store in a well-ventilated place. Keep container tightly closed.</p> <p>P403+P235 Store in a well-ventilated place. Keep cool.</p> <p>P405 Store locked up.</p> <p>P501 Dispose of contents/ container in accordance with national regulations.</p>
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Contains methyl methacrylate

2.3. Other hazards

SECTION 3: Composition/information on ingredients

3.2. Mixtures

methyl methacrylate	35-50%
CAS number: 80-62-6	EC number: 201-297-1
Classification	
Flam. Liq. 2 - H225	
Skin Irrit. 2 - H315	
Skin Sens. 1 - H317	
STOT SE 3 - H335	
Alkyl Methacrylic Alkylacrylate Copolymer	1-5%
CAS number: 25852-37-3	
Classification	
Aquatic Chronic 3 - H412	

Aristech Solid Surface Adhesive (Part A)

Di isopropanol-p-toluidin <1% CAS number: 38668-48-3
Classification Acute Tox. 3 - H301
1-Dodecanethiol <1% 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

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	Irritation of nose, throat and airway. Symptoms following overexposure may include the following: Unconsciousness, possibly death. Shortness of breath. Wheezing/breathing difficulties. Central nervous system depression. Drowsiness. Dizziness. Nausea, vomiting. Headache.
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.
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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.
<u>9.2. Other information</u>	
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 Oxidising agents. Peroxides. Strong acids.

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

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 3.2×10^{-4} atm-cu m/mole, from its vapour pressure of 38.5 mmHg and water solubility of 1.6×10^4 . The potential for volatilisation of methyl methacrylate from dry soil surfaces may exist based upon its 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

Transport labels



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 Regulation (EC) No 1907/2006 of the European Parliament and of the council of 18 December 2006 concerning the Registration, evaluation, Authorisation and Restriction of Chemicals (REACH), establishing a European Chemicals Agency, amending Directive 1999/45/EC and repealing Council Regulation (EEC) No 793/93 and Commission Regulation (EC) No 1488/94 as well as Council Directive 76/769/EEC and Commission Directives 91/155/EEC, 93/67/EEC, 93/105/EC, including amendments. Regulation (EC) No 1272/2008 of the European Parliament and of the Council of 16 December 2008 on classification, labeling and packaging of substances and mixtures, amending and repealing Directives 67/548/EEC and 1999/45/EC, and amending Regulation (EC) No 1907/2006 with amendments.

15.2. Chemical safety assessment

No chemical safety assessment has been carried out.

SECTION 16: Other information

Revision date	14/08/2015
SDS number	5474
Hazard statements in full	<p>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.</p>

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 considered 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)

According to Regulation (EC) No 1907/2006, Annex II, as amended by Regulation (EU) No 453/2010

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

SECTION 3: Composition/information on ingredients

3.2. Mixtures

reaction product: bisphenol-A-(epichlorhydrin)	70-80%
CAS number: 25068-38-6	EC number: 500-033-5
Classification	
Skin Irrit. 2 - H315	
Eye Irrit. 2 - H319	
Skin Sens. 1 - H317	
Aquatic Chronic 2 - H411	
dibenzoyl peroxide	5-10%
CAS number: 94-36-0	EC number: 202-327-6
Classification	
Org. Perox. B - H241	
Eye Irrit. 2 - H319	
Skin Sens. 1 - H317	
Di-isononyl phthalate	1-5%
CAS number: 28553-12-0	
Classification	
Not Classified	

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 Irritation of nose, throat and airway. Symptoms following overexposure may include the following: Unconsciousness, possibly death. Shortness of breath. Wheezing/breathing difficulties. Central nervous system depression. Drowsiness. Dizziness. Nausea, vomiting. Headache.

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)

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)

Partition coefficient	Not available.
Auto-ignition temperature	Not available.
Decomposition Temperature	103°C
Viscosity	No information available.
Explosive properties	Not available.
Oxidising properties	Not available.

9.2. Other information

Other information	None.
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SECTION 10: Stability and reactivity

10.1. Reactivity

Reactivity	See Section 10.3 (Possibility of hazardous reactions) for further information.
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10.2. Chemical stability

Stability	Stable at normal ambient temperatures and when used as recommended.
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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.
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10.4. Conditions to avoid

Conditions to avoid	Avoid heat, flames and other sources of ignition. Avoid exposure to high temperatures or direct sunlight.
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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.
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10.6. Hazardous decomposition products

Hazardous decomposition products	None known.
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SECTION 11: Toxicological information

11.1. Information on toxicological effects

Carcinogenicity

Carcinogenicity	Does not contain any substances known to be carcinogenic.
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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.
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12.1. Toxicity

Ecotoxicity

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 3.5×10^{-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 7.1×10^{-5} mm Hg, determined from a fragment constant method. In the Japanese MITI test, benzoyl peroxide (present at 100ppm) reached 84% of it's 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

Regulation (EC) No 1907/2006 of the European Parliament and of the council of 18 December 2006 concerning the Registration, evaluation, Authorisation and Restriction of Chemicals (REACH), establishing a European Chemicals Agency, amending Directive 1999/45/EC and repealing Council Regulation (EEC) No 793/93 and Commission Regulation (EC) No 1488/94 as well as Council Directive 76/769/EEC and Commission Directives 91/155/EEC, 93/67/EEC, 93/105/EC, including amendments. Regulation (EC) No 1272/2008 of the European Parliament and of the Council of 16 December 2008 on classification, labeling and packaging of substances and mixtures, amending and repealing Directives 67/548/EEC and 1999/45/EC, and amending Regulation (EC) No 1907/2006 with amendments.

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 considered 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.