



## SAFETY DATA SHEET Aro-Bond 947

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

#### 1.1. Product identifier

Product name Aro-Bond 947

#### 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 UREKA GLOBAL LTD  
7 FLOWERS HILL,  
BRISLINGTON  
BRISTOL  
BS4 5JJ  
+44 117 971 1364  
sales@thenamesthatsticks.com

#### 1.4. Emergency telephone number

Emergency telephone Ureka Global +44 (0)117 971 1364 (Mon - Fri) 09:00 - 16:00

### SECTION 2: Hazards identification

#### 2.1. Classification of the substance or mixture

##### Classification (EC 1272/2008)

Physical hazards Not Classified

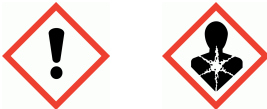
Health hazards Acute Tox. 4 - H332 Skin Irrit. 2 - H315 Eye Irrit. 2 - H319 Resp. Sens. 1 - H334 Skin Sens. 1  
- H317 Carc. 2 - H351 STOT SE 2 - H371 STOT SE 3 - H335 STOT RE 2 - H373

Environmental hazards Not Classified

Classification (67/548/EEC or 1999/45/EC) Xn; R20, R48/20/21/22, R68/20/21/22. Xi; R36/37/38. Carc. Cat. 3 R40. R42/43

#### 2.2. Label elements

##### Hazard pictograms



Signal word Danger

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<b>Hazard statements</b>	<p>H315 Causes skin irritation.</p> <p>H317 May cause an allergic skin reaction.</p> <p>H319 Causes serious eye irritation.</p> <p>H332 Harmful if inhaled.</p> <p>H334 May cause allergy or asthma symptoms or breathing difficulties if inhaled.</p> <p>H335 May cause respiratory irritation.</p> <p>H351 Suspected of causing cancer.</p> <p>H371 May cause damage to organs .</p> <p>H373 May cause damage to organs through prolonged or repeated exposure.</p>
<b>Precautionary statements</b>	<p>P260 Do not breathe vapour/ spray.</p> <p>P280 Wear protective gloves/ protective clothing/ eye protection/ face protection.</p> <p>P284 [In case of inadequate ventilation] wear respiratory protection.</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>P314 Get medical advice/ attention if you feel unwell.</p> <p>P342+P311 If experiencing respiratory symptoms: Call a POISON CENTER/ doctor.</p> <p>P501 Dispose of contents/ container in accordance with national regulations.</p>
<b>Supplemental label information</b>	<p>EUH204 Contains isocyanates. May produce an allergic reaction.</p>
<b>Contains</b>	<p>Polymethylene polyphenyl isocyanate</p>
<b>Supplementary precautionary statements</b>	<p>P201 Obtain special instructions before use.</p> <p>P202 Do not handle until all safety precautions have been read and understood.</p> <p>P261 Avoid breathing vapour/ spray.</p> <p>P264 Wash contaminated skin thoroughly after handling.</p> <p>P270 Do not eat, drink or smoke when using this product.</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>P302+P352 IF ON SKIN: Wash with plenty of water.</p> <p>P304+P340 IF INHALED: Remove person to fresh air and keep comfortable for breathing.</p> <p>P308+P311 IF exposed or concerned: Call a POISON CENTER or doctor.</p> <p>P308+P313 IF exposed or concerned: Get medical advice/ attention.</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>P403+P233 Store in a well-ventilated place. Keep container tightly closed.</p> <p>P405 Store locked up.</p>

### 2.3. Other hazards

**Other hazards** This product is not identified as a PBT/vPvB substance.

## SECTION 3: Composition/information on ingredients

### 3.2. Mixtures

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<b>Polymethylene polyphenyl isocyanate</b>		<b>30-50%</b>
CAS number: 9016-87-9		EC number: 500-079-6
<b>Classification</b> Acute Tox. 4 - H332 Skin Irrit. 2 - H315 Eye Irrit. 2 - H319 Resp. Sens. 1B - H334 Skin Sens. 1B - H317 Carc. 2 - H351 STOT SE 3 - H335 STOT RE 2 - H373	<b>Classification (67/548/EEC or 1999/45/EC)</b> Xn; R20, R48/20/21/22. Xi; R36/37/38. Carc. Cat. 3 R40. R42/43	

The Full Text for all R-Phrases and Hazard Statements are Displayed in Section 16.

### SECTION 4: First aid measures

#### 4.1. Description of first aid measures

<b>Inhalation</b>	Remove person to fresh air and keep comfortable for breathing. Ensure personal safety. Consult a doctor.
<b>Ingestion</b>	Wash out mouth with water Do not induce vomiting. If conscious, give half a litre of water to drink immediately. Consult a doctor. Transfer to hospital for specialist examination.
<b>Skin contact</b>	Remove all contaminated clothes and footwear immediately unless stuck to skin. Wash immediately with plenty of soap and water. Remove from skin with paper or towel. Get medical attention if irritation persists after washing.
<b>Eye contact</b>	Bathe the eye with running water for 15 minutes. Consult a physician for specific advice. Transfer to hospital for specialist examination.

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

<b>Inhalation</b>	Exposure may cause coughing or wheezing. There may be congestion of the lungs causing severe shortness of breath. Onset of symptoms may be delayed.
<b>Ingestion</b>	Nausea and stomach pain may occur. There may be vomiting. Onset of symptoms may be delayed.
<b>Skin contact</b>	There may be irritation and redness. Onset of symptoms may be delayed.
<b>Eye contact</b>	There may be irritation and redness.

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

<b>Specific treatments</b>	Eye bathing equipment should be available on the premises.
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### SECTION 5: Firefighting measures

#### 5.1. Extinguishing media

**Suitable extinguishing media** Extinguish with Carbon Dioxide, Dry Chemical and Foam.

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

**Specific hazards** In combustion emits toxic fumes.

#### 5.3. Advice for firefighters

**Special protective equipment for firefighters** Wear self contained breathing apparatus. Wear full protective clothing.

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### SECTION 6: Accidental release measures

#### 6.1. Personal precautions, protective equipment and emergency procedures

**Personal precautions** Refer to section 8 of SDS for personal protection details. If outside do not approach from downwind. If outside keep bystanders upwind and away from danger point. Mark out the contaminated area with signs and prevent access to unauthorised personnel. Turn leaking containers leak-side up to prevent the escape of liquid.

#### 6.2. Environmental precautions

**Environmental precautions** Do not discharge into drains or rivers. Contain the spillage using bunding.

#### 6.3. Methods and material for containment and cleaning up

**Methods for cleaning up** Absorb spilled substance with sand or earth. Neutralise spilled material with diluted hydrochloric acid. Collect spillage in containers, seal securely and deliver for disposal according to local regulations. Neutralise with water containing 1% wetting agent to avoid build up of pressure due to the evolution of carbon dioxide, do not seal containers until fully reacted.

#### 6.4. Reference to other sections

**Reference to other sections** For personal protection, see Section 8.

### SECTION 7: Handling and storage

#### 7.1. Precautions for safe handling

**Usage precautions** Avoid direct contact with the substance. Provide adequate ventilation. Do not use in confined spaces without adequate ventilation and/or respirator. Avoid the formation of mists.

#### 7.2. Conditions for safe storage, including any incompatibilities

**Storage precautions** Store in tightly closed original container in a dry, cool and well-ventilated place.

#### 7.3. Specific end use(s)

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### SECTION 8: Exposure controls/Personal protection

#### 8.1. Control parameters

##### Occupational exposure limits

No data available.

##### **Polymethylene polyphenyl isocyanate**

Long-term exposure limit (8-hour TWA): 0.02 mg/m<sup>3</sup> respirable dust

Short-term exposure limit (15-minute): 0.07 mg/m<sup>3</sup> respirable dust

#### 8.2. Exposure controls

##### **Appropriate engineering controls**

Ensure there is sufficient ventilation of the area.

##### **Eye/face protection**

Safety glasses. Ensure eye bath is to hand.

##### **Hand protection**

Chemical-resistant, impervious gloves complying with an approved standard should be worn if a risk assessment indicates skin contact is possible. For low exposure use nitrile gloves. For repeated exposure use Viton or 4H chemical gloves, the user must COSHH risk assess to determine the correct glove.

##### **Other skin and body protection**

Wear appropriate clothing to prevent skin contamination. Wash at the end of each work shift and before eating, smoking and using the toilet.

##### **Respiratory protection**

Respiratory protection may be required. If exposure levels are likely to be exceeded, use a full face mask fitted with an organic AXP3 filter for short term low level exposures. For long term or high level exposures, compressed airline breathing apparatus should be used. Use respiratory equipment with particle filter, type P3.

### SECTION 9: Physical and chemical properties

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

<b>Appearance</b>	Liquid
<b>Colour</b>	Dark brown.
<b>Odour</b>	Characteristic.
<b>Flash point</b>	> 200 deg C.°C
<b>Evaporation rate</b>	Slow
<b>Vapour pressure</b>	<0.00001 hPa @ °C
<b>Relative density</b>	~ 1.1
<b>Solubility(ies)</b>	Reacts with water.
<b>Auto-ignition temperature</b>	>400°C
<b>Viscosity</b>	Viscous
<b>Oxidising properties</b>	Does not meet the criteria for classification as oxidising.

#### 9.2. Other information

### SECTION 10: Stability and reactivity

#### 10.1. Reactivity

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

#### 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** Under normal conditions of storage and use, no hazardous reactions will occur. Decomposition may occur on exposure to conditions or materials listed below.

### 10.4. Conditions to avoid

**Conditions to avoid** Avoid heat. Moisture. Humidity

### 10.5. Incompatible materials

**Materials to avoid** Strong bases. Strong acids. Water

### 10.6. Hazardous decomposition products

**Hazardous decomposition products** In combustion emits toxic fumes.

## SECTION 11: Toxicological information

### 11.1. Information on toxicological effects

#### Acute toxicity - inhalation

**ATE inhalation (vapours mg/l)** 11.0

**Inhalation** Wheezing/breathing difficulties. Congestion of the lungs may occur, producing severe shortness of breath. Onset of symptoms may be delayed.

**Ingestion** Nausea and stomach pain may occur. There may be vomiting. Onset of symptoms may be delayed.

**Skin contact** There may be irritation and redness.

**Eye contact** There may be irritation and redness.

**Acute and chronic health hazards** Immediate effects can be expected after short term exposure.

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### SECTION 12: Ecological information

#### 12.1. Toxicity

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

#### 12.2. Persistence and degradability

**Persistence and degradability** Biodegradable in part only.

#### 12.3. Bioaccumulative potential

**Bioaccumulative potential** No data available on bioaccumulation.

#### 12.4. Mobility in soil

**Mobility** Reacts with water to form an insoluble polyurea. Do not discharge into natural waters without pre-treatment.

#### 12.5. Results of PBT and vPvB assessment

**Results of PBT and vPvB assessment** This product is not identified as a PBT substance.

#### 12.6. Other adverse effects

### SECTION 13: Disposal considerations

#### 13.1. Waste treatment methods

**Disposal methods** Wet Waste. Dispose of waste via a licensed waste disposal contractor. Collect and place in suitable waste disposal containers and seal securely. Dispose of contents/container in accordance with local regulations.

### SECTION 14: Transport information

**General** The product is not covered by international regulations on the transport of dangerous goods (IMDG, IATA, ADR/RID).

#### 14.1. UN number

Not applicable.

#### 14.2. UN proper shipping name

Not applicable.

#### 14.3. Transport hazard class(es)

No transport warning sign required.

#### 14.4. Packing group

Not applicable.

#### 14.5. Environmental hazards

**Environmentally hazardous substance/marine pollutant**  
No.

#### 14.6. Special precautions for user

Not applicable.

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

**Transport in bulk according to Annex II of MARPOL 73/78 and the IBC Code** Not applicable.

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### SECTION 15: Regulatory information

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

<b>EU legislation</b>	<p>Persons already sensitised to diisocyanates may develop allergic reactions when using this product.</p> <p>Persons suffering from asthma, eczema or skin problems should avoid contact, including dermal contact, with this product.</p> <p>This product should not be used under conditions of poor ventilation unless a protective mask with an appropriate gas filter (i.e. type A1 according to standard EN 14387) is used.</p>
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#### 15.2. Chemical safety assessment

No chemical safety assessment has been carried out.

### SECTION 16: Other information

<b>General information</b>	This safety data sheet is prepared in accordance with Commission Regulation (EU) No 453/2010.
<b>Issued by</b>	Compliance Manager
<b>Revision date</b>	24/01/2020
<b>Revision</b>	2
<b>Supersedes date</b>	02/04/2015
<b>SDS number</b>	21087
<b>Hazard statements in full</b>	<p>H315 Causes skin irritation.</p> <p>H317 May cause an allergic skin reaction.</p> <p>H319 Causes serious eye irritation.</p> <p>H332 Harmful if inhaled.</p> <p>H334 May cause allergy or asthma symptoms or breathing difficulties if inhaled.</p> <p>H335 May cause respiratory irritation.</p> <p>H351 Suspected of causing cancer.</p> <p>H371 May cause damage to organs .</p> <p>H373 May cause damage to organs through prolonged or repeated exposure.</p>

#### DIRECTIONS FOR USE

#### PRODUCT LOGO

This information relates only to the specific material designated and may not be valid for such material used in combination with any other materials or in any process. Such information is, to the best of the company's knowledge and belief, accurate and reliable as of the date indicated. However, no warranty, guarantee or representation is made to its accuracy, reliability or completeness. It is the user's responsibility to satisfy himself as to the suitability of such information for his own particular use.