SAFETY DATA SHEET
Aro-Bond 925 Part B

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

1.1. Product identifier
Product name: Aro-Bond 925 Part B

1.2. Relevant identified uses of the substance or mixture and uses advised against
Identified uses: 2-part Adhesive
Uses advised against: No specific uses advised against are identified.

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@thenamethatsticks.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

Environmental hazards: Not Classified

2.2. Label elements

Hazard pictograms: 

Signal word: Danger
Hazard statements: H332 Harmful if inhaled.
H315 Causes skin irritation.
H319 Causes serious eye irritation.
H334 May cause allergy or asthma symptoms or breathing difficulties if inhaled.
H317 May cause an allergic skin reaction.
H351 Suspected of causing cancer.
H335 May cause respiratory irritation.
H373 May cause damage to organs through prolonged or repeated exposure.
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Precautionary statements

P201 Obtain special instructions before use.
P202 Do not handle until all safety precautions have been read and understood.
P260 Do not breathe vapour/ spray.
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.
P280 Wear protective gloves/ protective clothing/ eye protection/ face protection.
P284 [In case of inadequate ventilation] wear respiratory protection.
P302+P352 IF ON SKIN: Wash with plenty of water.
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.
P308+P313 IF exposed or concerned: Get medical advice/ attention.
P312 Call a POISON CENTRE/doctor if you feel unwell.
P314 Get medical advice/ attention if you feel unwell.
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.
P342+P311 If experiencing respiratory symptoms: Call a POISON CENTER/ doctor.
P362+P364 Take off contaminated clothing and wash it before reuse.
P403+P233 Store in a well-ventilated place. Keep container tightly closed.
P405 Store locked up.
P501 Dispose of contents/ container in accordance with national regulations.

Contains

Diphenylmethane-4,4'-di-isocyanate

2.3. Other hazards

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

SECTION 3: Composition/information on ingredients

3.2. Mixtures

<table>
<thead>
<tr>
<th>Diphenylmethane-4,4'-di-isocyanate</th>
<th>60-100%</th>
</tr>
</thead>
<tbody>
<tr>
<td>CAS number: 101-68-8</td>
<td></td>
</tr>
<tr>
<td>EC number: 202-966-0</td>
<td></td>
</tr>
<tr>
<td>REACH registration number: 01-2119457014-47</td>
<td></td>
</tr>
</tbody>
</table>

Classification

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 3 - H335
STOT RE 2 - H373

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

General information
Remove affected person from source of contamination.
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Inhalation
Move affected person to fresh air at once. Get medical attention if any discomfort continues.

Ingestion
Do not induce vomiting. Get medical attention immediately.

Skin contact
Remove contaminated clothing immediately and wash skin with soap and water. Get medical attention if any discomfort continues.

Eye contact
Rinse immediately with plenty of water. Remove any contact lenses and open eyelids wide apart. Continue to rinse for at least 15 minutes. Get medical attention if irritation persists after washing. Show this Safety Data Sheet to the medical personnel.

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

General information
The severity of the symptoms described will vary dependent on the concentration and the length of exposure.

Inhalation
Irritation of nose, throat and airway. Coughing, chest tightness, feeling of chest pressure.

Ingestion
May cause discomfort if swallowed.

Skin contact
Prolonged skin contact may cause redness and irritation.

Eye contact
Severe irritation, burning and tearing.

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

Notes for the doctor
No specific recommendations. If in doubt, get medical attention promptly.

SECTION 5: Firefighting measures

5.1. Extinguishing media

Suitable extinguishing media
Extinguish with foam, carbon dioxide, dry powder or water fog.

Unsuitable extinguishing media
Do not use water jet as an extinguisher, as this will spread the fire.

5.2. Special hazards arising from the substance or mixture

Specific hazards
The product is non-combustible. Irritating gases or vapours. Not known.

Hazardous combustion products

5.3. Advice for firefighters

Protective actions during firefighting
Containers close to fire should be removed or cooled with water. Do not allow water to contact any leaked material.

Special protective equipment for firefighters
Wear chemical protective suit. 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
Wear protective clothing as described in Section 8 of this safety data sheet.

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
Absorb spillage with non-combustible, absorbent material. Collect and place in suitable waste disposal containers and seal securely. Provide adequate ventilation. Contain spillage with sand, earth or other suitable non-combustible material. Avoid the spillage or runoff entering drains, sewers or watercourses.
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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 Avoid inhalation of vapours and spray/mists. Avoid contact with skin and eyes. Do not use in confined spaces without adequate ventilation and/or respirator. Spraying is permitted only in closed systems, spray cabinets or spray boxes with adequate ventilation.

7.2. Conditions for safe storage, including any incompatibilities
Storage precautions Store in tightly-closed, original container. Store at temperatures between 5°C and 25°C.
Storage class Chemical 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 Diphenylmethane-4,4'-di-isocyanate Long-term exposure limit (8-hour TWA): WEL 0.02 mg/m³ Short-term exposure limit (15-minute): WEL 0.07 mg/m³ Sen WEL = Workplace Exposure Limit. Sen = Capable of causing occupational asthma.

DNEL
Workers - Inhalation; Short term systemic effects: 0.1 mg/m³ Workers - Dermal; Short term local effects: 28.7 mg/cm² Workers - Inhalation; Long term systemic effects: 0.5 mg/m³ Workers - Dermal; Short term systemic effects: 50 mg/kg bw/day Consumer - Dermal; Short term systemic effects: 25 mg/kg bw/day Consumer - Oral; Short term systemic effects: 20 mg/kg bw/day Consumer - Inhalation; Short term systemic effects: 0.05 mg/m³ Consumer - Inhalation; Long term systemic effects: 0.025 mg/m³

PNEC
Fresh water; 1 mg/l Soil; 1 mg/kg marine water; 0.1 mg/l STP; 1 mg/l

8.2. Exposure controls
Protective equipment
Appropriate engineering controls Provide adequate ventilation. Avoid inhalation of vapours. Observe any occupational exposure limits for the product or ingredients.
Eye/face protection Wear chemical splash goggles.
Hand protection It is recommended that gloves are made of the following material: Nitrile rubber. Frequent changes are recommended. For exposure up to 8 hours, wear gloves made of the following material: Nitrile rubber.
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Other skin and body protection
Wear suitable protective clothing as protection against splashing or contamination. Wear apron or protective clothing in case of contact.

Hygiene measures
Use engineering controls to reduce air contamination to permissible exposure level. Wash hands thoroughly after handling. Do not eat, drink or smoke when using this product.

Respiratory protection
If ventilation is inadequate, suitable respiratory protection must be worn. Wear a respirator fitted with the following cartridge: ABEK2-P3.

Environmental exposure controls
Keep container tightly sealed when not in use.

SECTION 9: Physical and chemical properties

9.1. Information on basic physical and chemical properties

<table>
<thead>
<tr>
<th>Property</th>
<th>Value</th>
</tr>
</thead>
<tbody>
<tr>
<td>Appearance</td>
<td>Coloured liquid</td>
</tr>
<tr>
<td>Colour</td>
<td>Brown</td>
</tr>
<tr>
<td>Odour</td>
<td>Musty (mouldy)</td>
</tr>
<tr>
<td>Odour threshold</td>
<td>Not available</td>
</tr>
<tr>
<td>pH</td>
<td>Not available</td>
</tr>
<tr>
<td>Melting point</td>
<td>&lt;10°C</td>
</tr>
<tr>
<td>Initial boiling point and range</td>
<td>330°C</td>
</tr>
<tr>
<td>Flash point</td>
<td>&gt; 200°C Closed cup</td>
</tr>
<tr>
<td>Evaporation rate</td>
<td>Slow</td>
</tr>
<tr>
<td>Evaporation factor</td>
<td>Not available</td>
</tr>
<tr>
<td>Flammability (solid, gas)</td>
<td>Not available</td>
</tr>
<tr>
<td>Upper/lower flammability or</td>
<td>Not applicable</td>
</tr>
<tr>
<td>explosive limits</td>
<td></td>
</tr>
<tr>
<td>Other flammability</td>
<td>Not available</td>
</tr>
<tr>
<td>Vapour pressure</td>
<td>0.01 Pa @ °C</td>
</tr>
<tr>
<td>Vapour density</td>
<td>8.5</td>
</tr>
<tr>
<td>Relative density</td>
<td>1.24 @ 20°C</td>
</tr>
<tr>
<td>Bulk density</td>
<td>Not available</td>
</tr>
<tr>
<td>Solubility(ies)</td>
<td>Insoluble in water. Hardens in contact with water.</td>
</tr>
<tr>
<td>Partition coefficient</td>
<td>Not available</td>
</tr>
<tr>
<td>Auto-ignition temperature</td>
<td>&gt;600°C</td>
</tr>
<tr>
<td>Decomposition Temperature</td>
<td>Not available</td>
</tr>
<tr>
<td>Viscosity</td>
<td>90-130 mPa s @ 25°C</td>
</tr>
<tr>
<td>Explosive properties</td>
<td>Not available</td>
</tr>
<tr>
<td>Explosive under the influence of</td>
<td>Not considered to be explosive.</td>
</tr>
<tr>
<td>a flame</td>
<td></td>
</tr>
<tr>
<td>Oxidising properties</td>
<td>Not available</td>
</tr>
<tr>
<td>Comments</td>
<td>Information given is applicable to the product as supplied.</td>
</tr>
</tbody>
</table>
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9.2. Other information

Other information  No information required.
Refractive index  Not available.
Particle size  Not available.
Molecular weight  Not available.
Vatility  Not available.
Saturation concentration  Not available.
Critical temperature  Not available.

SECTION 10: Stability and reactivity

10.1. Reactivity

Reactivity  The product will harden into a solid mass in contact with water and moisture.

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.

10.4. Conditions to avoid

Conditions to avoid  Avoid contact with water.

10.5. Incompatible materials

10.6. Hazardous decomposition products

Hazardous decomposition products  Thermal decomposition or combustion products may include the following substances: Oxides of nitrogen. Carbon oxides. Burning produces irritating, toxic and obnoxious fumes.

SECTION 11: Toxicological information

11.1. Information on toxicological effects

Acute toxicity - inhalation

Summary  ATE inhalation (gasses ppm): 4500.0 ATE inhalation (vapours mg/l) 11.0 ATE Inhalation (dusts/mists mg/l) 1.5

ATE inhalation (dusts/mists mg/l)  2.5

Skin corrosion/irritation

Animal data  Irritating.

Serious eye damage/irritation

Serious eye damage/irritation  Moderately irritating

Respiratory sensitisation

Respiratory sensitisation  Sensitising.

Carcinogenicity

Carcinogenicity  Suspected carcinogen based on limited evidence.

Target organ for carcinogenicity  No specific target organs known.
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## Reproductive toxicity

### Reproductive toxicity - development
This substance has no evidence of toxicity to reproduction.

## Specific target organ toxicity - repeated exposure

### STOT - repeated exposure
Morphological changes that are potentially reversible but provide clear evidence of marked organ dysfunction.

## Aspiration hazard

### Aspiration hazard
Not anticipated to present an aspiration hazard, based on chemical structure.

## Inhalation
Irritating to respiratory system. May cause sensitisation by inhalation.

## Ingestion
May cause stomach pain or vomiting.

## Skin contact
Irritating to skin. May cause sensitisation by skin contact.

## Eye contact
Irritation of eyes and mucous membranes.

## Acute and chronic health hazards
The product contains small quantities of isocyanate. Frequent inhalation of vapours may cause respiratory allergy.

## Route of exposure
Skin and/or eye contact Inhalation

## Medical symptoms
Irritation of eyes and mucous membranes. Coughing, chest tightness, feeling of chest pressure.

## Medical considerations
Chronic respiratory and obstructive airway diseases.

### 12. Ecological information

#### Ecotoxicity
The product is not expected to be hazardous to the environment.

#### 12.1. Toxicity

##### Acute aquatic toxicity

<table>
<thead>
<tr>
<th>Type</th>
<th>LC₅₀, 96 hours</th>
<th>Freshwater fish</th>
<th>EC₅₀, 48 hours</th>
<th>Daphnia magna</th>
<th>EC₅₀, 72 hours</th>
<th>Scenedesmus subspicatus</th>
</tr>
</thead>
<tbody>
<tr>
<td>Acute toxicity - fish</td>
<td>&gt;1000 mg/l</td>
<td>Freshwater fish</td>
<td>&gt;500 mg/l</td>
<td>Daphnia magna</td>
<td>~1640 mg/l</td>
<td>Scenedesmus subspicatus</td>
</tr>
</tbody>
</table>

##### Acute aquatic invertebrates

<table>
<thead>
<tr>
<th>Type</th>
<th>LC₅₀, 96 hours</th>
<th>Freshwater fish</th>
<th>EC₅₀, 48 hours</th>
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</tr>
</thead>
<tbody>
<tr>
<td>Acute toxicity - aquatic invertebrates</td>
<td>&gt;1000 mg/l</td>
<td>Freshwater fish</td>
<td>&gt;500 mg/l</td>
<td>Daphnia magna</td>
</tr>
</tbody>
</table>

##### Acute toxicity - aquatic plants
EC₅₀, 72 hours: ~1640 mg/l, Scenedesmus subspicatus

#### 12.2. Persistence and degradability

| Persistence and degradability | Not readily biodegradable. |
| Stability (hydrolysis) | Reacts with water. |
| Biological oxygen demand | < 10 g O₂/g substance |

#### 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 | The product is non-volatile. |

#### 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. |
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12.6. Other adverse effects

SECTION 13: Disposal considerations

13.1. Waste treatment methods

General information
Waste should be treated as controlled waste. Dispose of waste to licensed waste disposal site in accordance with the requirements of the local Waste Disposal Authority.

Disposal methods
Dispose of waste to licensed waste disposal site in accordance with the requirements of the local Waste Disposal Authority.

SECTION 14: Transport information

General
Not regulated for road, rail, inland waterways, sea or air transport.

14.1. UN number

14.2. UN proper shipping name

14.3. Transport hazard class(es)

14.4. Packing group

14.5. Environmental hazards

Environmentally hazardous substance/marine pollutant
No.

14.6. Special precautions for user

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.

SECTION 15: Regulatory information

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

National regulations
Health and Safety at Work etc. Act 1974 (as amended).
Control of Substances Hazardous to Health Regulations 2002 (as amended).

EU legislation

Guidance
Isocyanates: Health hazards and precautionary measures EH16.

15.2. Chemical safety assessment

No chemical safety assessment has been carried out.

SECTION 16: Other information

Issued by
Compliance Manager

Revision date
24/01/2020

Revision
2

Supersedes date
08/08/2019

SDS number
22886
Aro-Bond 925 Part B

Hazard statements in full

H315 Causes skin irritation.
H317 May cause an allergic skin reaction.
H319 Causes serious eye irritation.
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H335 May cause respiratory irritation.
H351 Suspected of causing cancer.
H373 May cause damage to organs through prolonged or repeated exposure.

DIRECTIONS FOR USE

PRODUCT LOGO

The information in this Safety Data Sheet (SDS) is believed to be correct as of the date issued. The manufacturer MAKES NO WARRANTIES, EXPRESSED OR IMPLIED, INCLUDING, BUT NOT LIMITED TO, ANY IMPLIED WARRANTY OF MERCHANTABILITY OR FITNESS FOR A PARTICULAR PURPOSE OR COURSE OF PERFORMANCE OR USAGE OF TRADE. Given the variety of factors that can affect the use and application of this product, many of which are solely within the user's knowledge and control, the user is responsible for determining whether the usage of this product is fit for a particular purpose and suitable for the user's method of use or application. It is essential that the user, not the manufacturer, evaluates this product to determine whether it is fit for a particular purpose and suitable for the user's method of use or application.