



## SAFETY DATA SHEET

### Aro-Seal 1132

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

##### 1.1. Product identifier

Product name Aro-Seal 1132

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

Identified uses Adhesive / Sealant

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@thenamehatsticks.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 Resp. Sens. 1 - H334 Elicitation - EUH208

Environmental hazards Not Classified

Classification (67/548/EEC or 1999/45/EC) R42

##### 2.2. Label elements

###### Hazard pictograms



Signal word Danger

Hazard statements H334 May cause allergy or asthma symptoms or breathing difficulties if inhaled.

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### Precautionary statements

P261 Avoid breathing vapour/ spray.  
 P284 [In case of inadequate ventilation] wear respiratory protection.  
 P501 Dispose of contents/ container in accordance with national regulations.  
 P302+P352 IF ON SKIN: Wash with plenty of water.  
 P304+P312 IF INHALED: Call a POISON CENTER/ doctor if you feel unwell.  
 P305+P351+P338 IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.  
 P102 Keep out of reach of children.  
 P280 Wear protective gloves.

### Contains

DIPHENYLMETHANE-4,4'-DI-ISOCYANATE

### Labelling notes

Contains, 4,4'-methylenediphenyl diisocyanate, reaction mass of bis(1,2,2,6,6-pentamethyl-4-piperidyl) sebacate and Methyl 1,2,2,6,6-pentamethyl-4-piperidyl sebacate. H317 May cause an allergic skin reaction.

### 2.3. Other hazards

#### SECTION 3: Composition/information on ingredients

#### 3.2. Mixtures

<b>Polyvinyl chloride</b>		<b>20-50%</b>
CAS number: 9002-86-2		
<b>XYLENE</b>		<b>4-7%</b>
CAS number: 1330-20-7		EC number: 215-535-7
<b>Classification</b>	<b>Classification (67/548/EEC or 1999/45/EC)</b>	
Flam. Liq. 3 - H226	R10 Xn;R20/21 Xi;R38	
Acute Tox. 4 - H312		
Acute Tox. 4 - H332		
Skin Irrit. 2 - H315		
<b>Titanium Dioxide</b>		<b>1-5%</b>
CAS number: 13463-67-7		EC number: 236-675-5
<b>Classification</b>		
Not Classified		
<b>ETHYLBENZENE</b>		<b>&lt;2%</b>
CAS number: 100-41-4		EC number: 202-849-4
<b>Classification</b>	<b>Classification (67/548/EEC or 1999/45/EC)</b>	
Flam. Liq. 2 - H225	F;R11 Xn;R20	
Acute Tox. 4 - H332		
STOT RE 2 - H373		
Asp. Tox. 1 - H304		

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<b>Di-iron trioxide</b>			<b>&lt;2%</b>
CAS number: 1309-37-1		EC number: 215-168-2	
<b>Classification</b> Aquatic Chronic 2 - H411			
<b>Hydrocarbons, C11-C14, n-alkanes, isoalkanes, cyclics, &lt;2% aromatics</b>			<b>&lt;2%</b>
CAS number: —		EC number: 926-141-6	
<b>Classification</b> Asp. Tox. 1 - H304		<b>Classification (67/548/EEC or 1999/45/EC)</b> Xn; R65	
<b>Calcium oxide</b>			<b>&lt;2%</b>
CAS number: 1305-78-8		EC number: 215-138-9	
<b>Classification</b> Skin Irrit. 2 - H315 Eye Dam. 1 - H318 STOT SE 3 - H335		<b>Classification (67/548/EEC or 1999/45/EC)</b> Xi; R41, R37/38	
<b>Calcium dihydroxide</b>			<b>&lt;1%</b>
CAS number: 1305-62-0		EC number: 215-137-3	
<b>Classification</b> Skin Irrit. 2 - H315 Eye Dam. 1 - H318 STOT SE 3 - H335			
<b>CARBON BLACK</b>			<b>&lt;1%</b>
CAS number: 1333-86-4		EC number: 215-609-9	
<b>Classification</b> Not Classified		<b>Classification (67/548/EEC or 1999/45/EC)</b> -	
<b>Diphenylmethane-4,4'-di-isocyanate</b>			<b>&lt;0.5%</b>
CAS number: 101-68-8		EC number: 202-966-0	REACH registration number: 01-2119457014-47
<b>Classification</b> 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		<b>Classification (67/548/EEC or 1999/45/EC)</b> Carc. Cat. 3;R40 Xn;R20,R48/20 Xi;R36/37/38 R42/43	

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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>General information</b>	Get medical advice/attention if you feel unwell. Remove contaminated clothing immediately and wash skin with soap and water.
<b>Inhalation</b>	Consult a physician for specific advice. Move affected person to fresh air and keep warm and at rest in a position comfortable for breathing.
<b>Ingestion</b>	Rinse mouth thoroughly with water.
<b>Skin contact</b>	Wash skin thoroughly with soap and water.
<b>Eye contact</b>	Rinse immediately with plenty of water. Continue to rinse for at least 15 minutes.

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

<b>General information</b>	Vapours may cause headache, fatigue, dizziness and nausea.
<b>Inhalation</b>	There may be irritation of the throat with a feeling of tightness in the chest.
<b>Ingestion</b>	There may be irritation of the throat.
<b>Skin contact</b>	May cause skin irritation.
<b>Eye contact</b>	There may be irritation and redness.

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

### SECTION 5: Firefighting measures

#### 5.1. Extinguishing media

<b>Suitable extinguishing media</b>	Use fire-extinguishing media suitable for the surrounding fire.
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#### 5.2. Special hazards arising from the substance or mixture

<b>Specific hazards</b>	In combustion emits toxic fumes.
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#### 5.3. Advice for firefighters

<b>Protective actions during firefighting</b>	Wear self-contained breathing apparatus. Wear protective clothing to prevent contact with skin and eyes.
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### SECTION 6: Accidental release measures

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

<b>Personal precautions</b>	Refer to section 8 of SDS for personal protection details.
<b>For emergency responders</b>	Wear protective clothing and gloves.

#### 6.2. Environmental precautions

<b>Environmental precautions</b>	Use appropriate containment to avoid environmental contamination. Avoid discharge into drains.
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#### 6.3. Methods and material for containment and cleaning up

<b>Methods for cleaning up</b>	Collect spillage in containers, seal securely and deliver for disposal according to local regulations. Clean contaminated surfaces with a soap solution Wash clothing and equipment after handling
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#### 6.4. Reference to other sections

<b>Reference to other sections</b>	For waste disposal, see Section 13.
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### SECTION 7: Handling and storage

#### 7.1. Precautions for safe handling

**Usage precautions** Avoid direct contact with the substance. Provide adequate ventilation.

#### 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)

### SECTION 8: Exposure controls/Personal protection

#### 8.1. Control parameters

##### Occupational exposure limits

##### **Polyvinyl chloride**

Long-term exposure limit (8-hour TWA): WEL 10 mg/m<sup>3</sup> inhalable dust

Long-term exposure limit (8-hour TWA): WEL 4 mg/m<sup>3</sup> respirable dust

##### **XYLENE**

Long-term exposure limit (8-hour TWA): WEL 50 ppm(Sk) 220 mg/m<sup>3</sup>(Sk)

Short-term exposure limit (15-minute): WEL 100 ppm(Sk) 441 mg/m<sup>3</sup>(Sk)

##### **Titanium Dioxide**

Long-term exposure limit (8-hour TWA): WEL 10 mg/m<sup>3</sup> Total inhalable

Long-term exposure limit (8-hour TWA): WEL 4 mg/m<sup>3</sup> Respirable

##### **ETHYLBENZENE**

Long-term exposure limit (8-hour TWA): WEL 100 ppm(Sk) 441 mg/m<sup>3</sup>(Sk)

Short-term exposure limit (15-minute): WEL 125 ppm(Sk) 552 mg/m<sup>3</sup>(Sk)

##### **Di-iron trioxide**

Short-term exposure limit (15-minute): WEL 10 mg/m<sup>3</sup> metal fume and dust

Long-term exposure limit (8-hour TWA): WEL 5 mg/m<sup>3</sup> metal fume and dust

Long-term exposure limit (8-hour TWA): WEL 10 mg/m<sup>3</sup> Total Respirable

Long-term exposure limit (8-hour TWA): WEL 4 mg/m<sup>3</sup> Respirable

##### **Hydrocarbons, C11-C14, n-alkanes, isoalkanes, cyclics, <2% aromatics**

Long-term exposure limit (8-hour TWA): 1200 mg/m<sup>3</sup>

##### **Calcium oxide**

Long-term exposure limit (8-hour TWA): 2 mg/m<sup>3</sup>

##### **Calcium dihydroxide**

Long-term exposure limit (8-hour TWA): WEL 5 mg/m<sup>3</sup>

##### **CARBON BLACK**

Short-term exposure limit (15-minute): WEL 7 mg/m<sup>3</sup>

Long-term exposure limit (8-hour TWA): WEL 3.5 mg/m<sup>3</sup>

##### **Diphenylmethane-4,4'-di-isocyanate**

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

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

Sen

WEL = Workplace Exposure Limit.

Sen = Capable of causing occupational asthma.

#### 8.2. Exposure controls

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### Protective equipment



#### Appropriate engineering controls

Provide adequate ventilation.

#### Eye/face protection

Safety glasses. Ensure eye bath is to hand.

#### Hand protection

Wear protective gloves.

#### Other skin and body protection

Wear protective clothing.

#### Hygiene measures

Wash promptly with soap and water if skin becomes contaminated.

#### Respiratory protection

If ventilation is inadequate, suitable respiratory protection must be worn.

### SECTION 9: Physical and chemical properties

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

Appearance	Paste.
Colour	Various colours.
Odour	Characteristic.
Initial boiling point and range	137°C @
Flash point	40-55°C Closed cup.
Evaporation rate	Negligible
Upper/lower flammability or explosive limits	Lower flammable/explosive limit: 0.6 vol% Upper flammable/explosive limit: 7 vol%
Relative density	1.16 @ 20°C
Solubility(ies)	Organic solvents. Insoluble in water.
Auto-ignition temperature	>200°C
Viscosity	Highly viscous
Explosive properties	Not considered to be explosive. Formation of explosive air/vapour mixtures are possible however.

#### 9.2. Other information

Volatile organic compound	This product contains a maximum VOC content of 9 %.
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## Aro-Seal 1132

### SECTION 10: Stability and reactivity

#### 10.1. Reactivity

#### 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** The following materials may react with the product: Alcohols. Amines. Acids. Alkalis. Reacts with water forming carbon dioxide. Danger of receptacles bursting because of vapour overpressure.

#### 10.4. Conditions to avoid

**Conditions to avoid** Avoid heat.

#### 10.5. Incompatible materials

**Materials to avoid** Strong acids. Strong oxidising agents.

#### 10.6. Hazardous decomposition products

**Hazardous decomposition products** No known hazardous decomposition products.

### SECTION 11: Toxicological information

#### 11.1. Information on toxicological effects

##### Acute toxicity - dermal

**ATE dermal (mg/kg)** 20,000.0

##### Acute toxicity - inhalation

**ATE inhalation (vapours mg/l)** 169.23076923

##### Serious eye damage/irritation

**Serious eye damage/irritation** There may be irritation and redness.

##### Respiratory sensitisation

**Respiratory sensitisation** There may be irritation of the throat with a feeling of tightness in the chest.

##### Skin sensitisation

**Skin sensitisation** There may be mild irritation at the site of contact.

### SECTION 12: Ecological information

#### 12.1. Toxicity

**Toxicity** No data recorded.

#### 12.2. Persistence and degradability

**Persistence and degradability** The product is not readily biodegradable.

#### 12.3. Bioaccumulative potential

**Bioaccumulative potential** Not available.

#### 12.4. Mobility in soil

#### 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

## Aro-Seal 1132

### SECTION 13: Disposal considerations

#### 13.1. Waste treatment methods

**General information**                      Dispose of waste product or used containers 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

#### 14.2. UN proper shipping name

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

#### 14.4. Packing group

#### 14.5. Environmental hazards

#### 14.6. Special precautions for user

#### 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

#### 15.2. Chemical safety assessment

A chemical safety assessment has been carried out.

### SECTION 16: Other information

<b>Issued by</b>	Compliance Manager
<b>Revision date</b>	28/01/2020
<b>Revision</b>	3
<b>Supersedes date</b>	03/11/2016
<b>SDS number</b>	20805
<b>Risk phrases in full</b>	R10 Flammable. R20 Harmful by inhalation. R20/21 Harmful by inhalation and in contact with skin. R36/37/38 Irritating to eyes, respiratory system and skin. R37/38 Irritating to respiratory system and skin. R38 Irritating to skin. R40 Limited evidence of a carcinogenic effect. R41 Risk of serious damage to eyes. R42/43 May cause sensitisation by inhalation and skin contact. R48/20 Harmful: danger of serious damage to health by prolonged exposure through inhalation. R65 Harmful: may cause lung damage if swallowed. R11 Highly flammable



## Aro-Seal 1132

### Hazard statements in full

EUH208 Contains DIPHENYLMETHANE-4,4'-DI-ISOCYANATE. May produce an allergic reaction.

H225 Highly flammable liquid and vapour.

H226 Flammable liquid and vapour.

H304 May be fatal if swallowed and enters airways.

H312 Harmful in contact with skin.

H315 Causes skin irritation.

H317 May cause an allergic skin reaction.

H318 Causes serious eye damage.

H319 Causes serious eye irritation.

H332 Harmful if inhaled.

H334 May cause allergy or asthma symptoms or breathing difficulties if inhaled.

H335 May cause respiratory irritation.

H351 Suspected of causing cancer.

H373 May cause damage to organs (Hearing organs) through prolonged or repeated exposure.

H373 May cause damage to organs through prolonged or repeated exposure.

H411 Toxic to aquatic life with long lasting effects.

H412 Harmful to aquatic life with long lasting effects.

### 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.