



SAFETY DATA SHEET

Aro-Seal 1156 Polyurethane Adhesive

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

1.1. Product identifier

Product name Aro-Seal 1156 Polyurethane Adhesive

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

Identified uses Polyurethane 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 Resp. Sens. 1 - H334
Environmental hazards Not Classified

2.2. Label elements

Hazard pictograms



Signal word Danger

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

Precautionary statements P261 Avoid breathing vapour/ spray.
P284 [In case of inadequate ventilation] wear respiratory protection.
P304+P340 IF INHALED: Remove person to fresh air and keep comfortable for breathing.
P342+P311 If experiencing respiratory symptoms: Call a POISON CENTER/ doctor.
P501 Dispose of contents/ container in accordance with national regulations.

Contains Diphenylmethane-4,4'-di-isocyanate

2.3. Other hazards

SECTION 3: Composition/information on ingredients

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3.2. Mixtures

XYLENE	1-5%
CAS number: 1330-20-7	EC number: 215-535-7
Classification Flam. Liq. 3 - H226 Acute Tox. 4 - H312 Acute Tox. 4 - H332 Skin Irrit. 2 - H315	Classification (67/548/EEC or 1999/45/EC) R10 Xn;R20/21 Xi;R38
Ethyl acetate	1-5%
CAS number: 141-78-6	EC number: 205-500-4
	REACH registration number: 01-2119475103-46-XXXX
Classification Flam. Liq. 2 - H225 Eye Irrit. 2 - H319 STOT SE 3 - H336	
Diphenylmethane-4,4'-di-isocyanate	<1%
CAS number: 101-68-8	EC number: 202-966-0
	REACH registration number: 01-2119457014-47
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.

Composition comments Contains Bis(2,2,6,6-Tetramethyl-4-Piperidyl)Sebacate CAS No 52829-07-9 Contains:
Tris(Nonylphenyl)Phosphite; CAS No 26523-78-4

SECTION 4: First aid measures

4.1. Description of first aid measures

Inhalation	Move affected person to fresh air and keep warm and at rest in a position comfortable for breathing. If breathing stops, provide artificial respiration. Get medical attention immediately.
Ingestion	Get medical attention immediately. Do not induce vomiting. Do not administer anything unless authorised by a doctor.
Skin contact	Remove all contaminated clothes and footwear immediately unless stuck to skin. Continue to rinse for at least 15 minutes and get medical attention. Wash contaminated clothing before reuse.
Eye contact	Remove contact lenses, if present and easy to do. Continue rinsing. Continue to rinse for at least 15 minutes. Get medical attention if symptoms are severe or persist after washing.

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

General information See Section 11 for additional information on health hazards.

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

Notes for the doctor No data recorded.

SECTION 5: Firefighting measures

5.1. Extinguishing media

Suitable extinguishing media Extinguish with alcohol-resistant foam, carbon dioxide or dry powder. Use water spray to cool containers.

Unsuitable extinguishing media Water jet.

5.2. Special hazards arising from the substance or mixture

Specific hazards Do not breathe combustion products. Risk of explosion if heated.

5.3. Advice for firefighters

Protective actions during firefighting Cool containers exposed to heat with water spray and remove them from the fire area if it can be done without risk.

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 Wear protective clothing, gloves, eye and face protection.

6.2. Environmental precautions

Environmental precautions Do not discharge into drains, water courses 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.

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, sparks and open flame. Vapours may accumulate on the floor and in low-lying areas. Use only in well-ventilated areas.

Advice on general occupational hygiene Wash hands and face before eating, drinking or smoking.

7.2. Conditions for safe storage, including any incompatibilities

Storage precautions Keep only in the original container in a cool, well-ventilated place. Protect from sunlight. Take precautionary measures against static discharges.

7.3. Specific end use(s)

Specific end use(s) No data recorded.

SECTION 8: Exposure controls/Personal protection

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8.1. Control parameters

Occupational exposure limits

XYLENE

Long-term exposure limit (8-hour TWA): WEL 50 ppm(Sk) 220 mg/m³(Sk)

Short-term exposure limit (15-minute): WEL 100 ppm(Sk) 441 mg/m³(Sk)

Ethyl acetate

Long-term exposure limit (8-hour TWA): WEL 200 ppm

Short-term exposure limit (15-minute): WEL 400 ppm

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.

Ethyl acetate (CAS: 141-78-6)

DNEL

Workers - Inhalation; Long term systemic effects: 734 mg/m³

Workers - Inhalation; Short term systemic effects: 1468 mg/m³

Workers - Inhalation; Long term local effects: 734 mg/m³

Workers - Inhalation; Short term local effects: 1468 mg/m³

Workers - Dermal; Long term systemic effects: 63 mg/kg/day

General population - Inhalation; Long term systemic effects: 367 mg/m³

General population - Inhalation; Short term systemic effects: 734 mg/m³

General population - Inhalation; Long term local effects: 367 mg/m³

General population - Inhalation; Short term local effects: 734 mg/m³

General population - Dermal; Long term systemic effects: 37 mg/kg/day

General population - Oral; Long term systemic effects: 4.5 mg/kg/day

PNEC

- Fresh water; 0.24 mg/l

- marine water; 0.024 mg/l

- Intermittent release; 1.65 mg/l

- STP; 650 mg/l

- Sediment (Freshwater); 1.15 mg/kg

- Sediment (Marinewater); 0.115 mg/kg

- Soil; 0.148 mg/kg

8.2. Exposure controls

Protective equipment



Eye/face protection

Tight fitting protective goggles with side protection (EN166)

Hand protection

Chemical resistant protective gloves (EN374)

Other skin and body protection

Long sleeved protective working garments and safety shoes to EN ISO 20345

Hygiene measures

Wash after use and before eating, smoking and using the toilet.

Respiratory protection

Wear a gas mask with filter type A if concentration in air > exposure limit.

Environmental exposure controls

Emissions from ventilation or work process equipment should be checked to ensure they comply with the requirements of environmental protection legislation.

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SECTION 9: Physical and chemical properties

9.1. Information on basic physical and chemical properties

Appearance	Pastelike, liquid
Colour	Various colours.
Odour	Typical.
Odour threshold	Not available.
Initial boiling point and range	Not available.
Flash point	Not applicable.
Flammability (solid, gas)	Non-flammable
Relative density	1.33 kg/l
Solubility(ies)	Insoluble in water.
Viscosity	60000-120000 cps @ °C

9.2. Other information

Volatile organic compound	6.90% - 91.77 g/l
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SECTION 10: Stability and reactivity

10.1. Reactivity

Reactivity	No hazardous reactions if stored and handled as prescribed.
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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	Vapors may form explosive mixture with air.
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10.4. Conditions to avoid

Conditions to avoid	Avoid heat, flames and other sources of ignition. Static electricity and formation of sparks must be prevented.
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10.5. Incompatible materials

Materials to avoid	No specific requirements are anticipated under normal conditions of use.
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10.6. Hazardous decomposition products

Hazardous decomposition products	In the event of thermal decomposition or fire, vapours potentially dangerous to health may be released.
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SECTION 11: Toxicological information

11.1. Information on toxicological effects

Toxicological effects	Inhalation of this product causes sensitization affecting the respiratory system. This product contains isocyanates which may irritate mucosas, particularly those of the respiratory system; avoid vapour and aerosol inhalation. People with allergic or asthmatic precedents or subject to respiratory disorders should not handle products containing isocyanates.
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Acute toxicity - oral

Summary	LD50 (Oral) 5627 mg/kg Mus sp.
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Acute toxicity - dermal

Summary LD50 (Dermal) >5000 ml/kg *Oryctolagus* sp.

ATE dermal (mg/kg) 55,000.0

Acute toxicity - inhalation

Summary LC50 (Inhalation) 6700 ppm/4h *Rattus* sp.

ATE inhalation (vapours mg/l) 550.0

SECTION 12: Ecological information

12.1. Toxicity

Toxicity LC50 (Fish): 2.6 mg/l/96h *Salmo gairdneri* EC10 (Algae/Aquatic Plants): 1.9 mg/l/72h
Selenastrum capricornutum

12.2. Persistence and degradability

Persistence and degradability Not expected to be readily biodegradable.

12.3. Bioaccumulative potential

12.4. Mobility in soil

Mobility No data available.

12.5. Results of PBT and vPvB assessment

Results of PBT and vPvB assessment This substance does not contain any PBT or vPvB at greater than 0.1%

12.6. Other adverse effects

Other adverse effects Not available.

SECTION 13: Disposal considerations

13.1. Waste treatment methods

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

Disposal methods Reuse or recycle products wherever possible. Residues and empty containers should be taken care of as hazardous waste according to local and national provisions.

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

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 Not relevant.

**Annex II of MARPOL 73/78
and the IBC Code**

SECTION 15: Regulatory information

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

EU legislation	Commission Regulation (EU) No 453/2010 of 20 May 2010.
Restrictions (Annex XVII Regulation 1907/2006)	Product: Point 3. Contained substance: Point 52: Diisononyl Phthalate. Contained substance: Point 56: Diphenylmethane Diisocyanate, Isomers and Homologues Contained substance: Point 56: Diphenylmethane-4.4'-Diisocyanate Reg no. 01-2119457014-47-XXXX

15.2. Chemical safety assessment

No chemical safety assessment has been carried out.

SECTION 16: Other information

Issued by	Compliance Manager
Revision date	28/01/2020
Revision	2
Supersedes date	20/09/2018
SDS number	22488
Hazard statements in full	H225 Highly flammable liquid and vapour. H226 Flammable liquid and vapour. H312 Harmful in contact with skin. H315 Causes skin irritation. H317 May cause an allergic skin reaction. 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. H336 May cause drowsiness or dizziness. 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.