



SAFETY DATA SHEET

Aro-Bond 680

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

1.1. Product identifier

Product name Aro-Bond 680

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 Flam. Liq. 2 - H225

Health hazards Acute Tox. 4 - H302 Acute Tox. 3 - H331 Skin Irrit. 2 - H315 Eye Irrit. 2 - H319 Repr. 2 - H361d STOT SE 3 - H336

Environmental hazards Aquatic Chronic 2 - H411

2.2. Label elements

Hazard pictograms



Signal word

Danger

Hazard statements

H225 Highly flammable liquid and vapour.
H302 Harmful if swallowed.
H315 Causes skin irritation.
H319 Causes serious eye irritation.
H331 Toxic if inhaled.
H336 May cause drowsiness or dizziness.
H361d Suspected of damaging the unborn child.
H411 Toxic to aquatic life with long lasting effects.

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Precautionary statements

P280 Wear protective gloves/ protective clothing/ eye protection/ face protection.
P301+P310 IF SWALLOWED: Immediately call a POISON CENTER/ doctor.
P303+P361+P353 IF ON SKIN (or hair): Take off immediately all contaminated clothing.
Rinse skin with water or shower.
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.
P403+P233 Store in a well-ventilated place. Keep container tightly closed.
P501 Dispose of contents/ container in accordance with national regulations.
P260 Do not breathe vapour/ spray.

Supplemental label information

EUH208: Contains rosin. May produce an allergic reaction.

Contains

Hydrocarbons, C6-C7, n-alkanes, isoalkanes, cyclics, <5% n-hexane, BUTANONE, TOLUENE, HEXANE-norm, ACETONE

2.3. Other hazards

Other hazards

In use, may form flammable / explosive vapour-air mixture. This product is not identified as a PBT/vPvB substance.

SECTION 3: Composition/information on ingredients

3.2. Mixtures

Hydrocarbons, C6-C7, n-alkanes, isoalkanes, cyclics		30-50%
CAS number: —	EC number: 921-024-6	REACH registration number: 01-2119475514-35-XXXX
Classification Flam. Liq. 2 - H225 Skin Irrit. 2 - H315 STOT SE 3 - H336 Asp. Tox. 1 - H304 Aquatic Chronic 2 - H411		
BUTANONE		10-25%
CAS number: 78-93-3	EC number: 201-159-0	
Classification Flam. Liq. 2 - H225 Eye Irrit. 2 - H319 STOT SE 3 - H336		Classification (67/548/EEC or 1999/45/EC) F;R11 Xi;R36 R66 R67

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n-Hexane 1-10%		
CAS number: 110-54-3	EC number: 203-777-6	REACH registration number: 01-2119480412-44-XXXX
Classification Flam. Liq. 2 - H225 Skin Irrit. 2 - H315 Repr. 2 - H361f STOT SE 3 - H336 STOT RE 2 - H373 Asp. Tox. 1 - H304 Aquatic Chronic 2 - H411		
Acetone 1-10%		
CAS number: 67-64-1	EC number: 200-662-2	REACH registration number: 01-2119471330-49-XXXX
Classification Flam. Liq. 2 - H225 Eye Irrit. 2 - H319 STOT SE 3 - H336		
TOLUENE 1-10%		
CAS number: 108-88-3	EC number: 203-625-9	REACH registration number: 01-2119471310-51-XXXX
<div style="display: flex; justify-content: space-between;"> <div> Classification Flam. Liq. 2 - H225 Acute Tox. 4 - H302 Acute Tox. 4 - H312 Skin Irrit. 2 - H315 Repr. 2 - H361d STOT SE 3 - H336 STOT RE 2 - H373 Asp. Tox. 1 - H304 </div> <div> Classification (67/548/EEC or 1999/45/EC) F;R11 Repr. Cat. 3;R63 Xn;R48/20,R65 Xi;R38 R67 </div> </div>		

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

Inhalation	Remove person to fresh air and keep comfortable for breathing. Ensure personal safety. Consult a doctor.
Ingestion	Wash out mouth with water Consult a doctor. Do not induce vomiting. If conscious, give half a litre of water to drink immediately.
Skin contact	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.
Eye contact	Bathe the eye with running water for 15 minutes. Consult a physician for specific advice.

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

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Inhalation	There may be irritation of the throat with a feeling of tightness in the chest. Onset of symptoms may be delayed.
Ingestion	There may be soreness and redness of the mouth and throat. 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. Profuse watering of the eyes.

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

Specific treatments	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. Use water spray to cool containers.
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5.2. Special hazards arising from the substance or mixture

Specific hazards	Highly flammable liquid and vapour. In combustion emits toxic fumes. Forms explosive mixtures with air. Vapours are heavier than air and may spread near ground and travel a considerable distance to a source of ignition and flash back.
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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. No smoking, sparks, flames or other sources of ignition near spillage.
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6.2. Environmental precautions

Environmental precautions	Do not discharge into drains or rivers. Contain the spillage using bunding.
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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 spillage in containers, seal securely and deliver for disposal according to local regulations. Extinguish all ignition sources. Avoid sparks, flames, heat and smoking. Ventilate. Do not use equipment in clean-up procedure which may produce sparks.
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6.4. Reference to other sections

Reference to other sections	For personal protection, see Section 8.
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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. Do not use in confined spaces without adequate ventilation and/or respirator. Avoid the formation of mists. Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking. Use only non-sparking tools.
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7.2. Conditions for safe storage, including any incompatibilities

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Storage precautions

Store in tightly closed original container in a dry, cool and well-ventilated place. Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking. Take precautionary measures against static discharge. Use explosion-proof electrical, ventilating and lighting equipment.

7.3. Specific end use(s)

SECTION 8: Exposure controls/Personal protection

8.1. Control parameters

Occupational exposure limits

No data available.

BUTANONE

Long-term exposure limit (8-hour TWA): WEL 200 ppm 600 mg/m³

Short-term exposure limit (15-minute): WEL 300 ppm 899 mg/m³

Sk

n-Hexane

Long-term exposure limit (8-hour TWA): WEL 20 ppm 72 mg/m³

Acetone

Long-term exposure limit (8-hour TWA): WEL 500 ppm 1210 mg/m³

Short-term exposure limit (15-minute): WEL 1500 ppm 3620 mg/m³

TOLUENE

Long-term exposure limit (8-hour TWA): WEL 50 ppm 191 mg/m³

Short-term exposure limit (15-minute): WEL 100 ppm 384 mg/m³

Sk

WEL = Workplace Exposure Limit.

Sk = Can be absorbed through the skin.

Hydrocarbons, C6-C7, n-alkanes, isoalkanes, cyclics

DNEL

Workers - Inhalation; Long term systemic effects: 2035 mg/m³

Workers - Dermal; Long term systemic effects: 773 mg/kg/day

General population - Inhalation; Long term systemic effects: 608 mg/kg/day

General population - Dermal; Long term systemic effects: 699 mg/kg/day

General population - Oral; Long term systemic effects: 699 mg/kg/day

Acetone (CAS: 67-64-1)

DNEL

Workers - Inhalation; Long term systemic effects: 1210 mg/m³

Workers - Inhalation; Short term local effects: 2420 mg/m³

Workers - Dermal; Long term systemic effects: 186 mg/kg/day

General population - Inhalation; Long term systemic effects: 200 mg/m³

General population - Dermal; Long term systemic effects: 62 mg/kg/day

General population - Oral; Long term systemic effects: 62 mg/kg/day

PNEC

- Fresh water; 10.6 mg/l

- marine water; 1.06 mg/l

- Intermittent release; 21 mg/l

- STP; 100 mg/l

- Sediment (Freshwater); 30.4 mg/kg

- Sediment (Marinewater); 3.04 mg/kg

- Soil; 29.5 mg/kg

8.2. Exposure controls

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Appropriate engineering controls	Ensure there is sufficient ventilation of the area. Ensure lighting and electrical equipment are not a source of ignition.
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	Impermeable protective clothing.
Respiratory protection	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.

SECTION 9: Physical and chemical properties

9.1. Information on basic physical and chemical properties

Appearance	Liquid
Colour	Amber.
Odour	Characteristic.
Initial boiling point and range	60 deg C
Flash point	-30°C
Evaporation rate	Fast
Upper/lower flammability or explosive limits	Lower flammable/explosive limit: 0.6% Upper flammable/explosive limit: 13%
Relative density	0.84
Solubility(ies)	Insoluble in water.
Auto-ignition temperature	200°C
Viscosity	Non-viscous
Oxidising properties	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.
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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	Under normal conditions of storage and use, no hazardous reactions will occur. Decomposition may occur on exposure to conditions or materials listed below.
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10.4. Conditions to avoid

Conditions to avoid	Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking.
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10.5. Incompatible materials

Materials to avoid Strong oxidising agents. Strong acids.

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 - oral

Acute toxicity oral (LD₅₀ mg/kg) 2,000.0

Species Rat

ATE oral (mg/kg) 2,000.0

Acute toxicity - inhalation

Acute toxicity inhalation (LC₅₀ vapours mg/l) 5.0

Species Rat

ATE inhalation (vapours mg/l) 5.0

Inhalation There may be irritation of the throat with a feeling of tightness in the chest. Onset of symptoms may be delayed.

Ingestion There may be soreness and redness of the mouth and throat. 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. Profuse watering of the eyes.

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

SECTION 12: Ecological information

12.1. Toxicity

12.2. Persistence and degradability

Persistence and degradability Biodegradable in part only.

12.3. Bioaccumulative potential

Bioaccumulative potential May bioaccumulate.

12.4. Mobility in soil

Mobility Volatile liquid.

12.5. Results of PBT and vPvB assessment

Results of PBT and vPvB assessment This substance is not classified as PBT or vPvB according to current EU criteria.

12.6. Other adverse effects

Other adverse effects Toxic to aquatic organisms

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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

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
ICAO packing group	II
ADN packing group	II

14.5. Environmental hazards

Environmentally hazardous substance/marine pollutant



No.

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14.6. Special precautions for user

Not applicable.

EmS F-E, S-D

ADR transport category 2

Emergency Action Code •3YE

Hazard Identification Number 33
(ADR/RID)

Tunnel restriction code (D/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

EU legislation Commission Regulation (EU) No 453/2010 of 20 May 2010.

15.2. Chemical safety assessment

No chemical safety assessment has been carried out.

SECTION 16: Other information

General information This safety data sheet is prepared in accordance with Commission Regulation (EU) No 453/2010.

Issued by Compliance Manager

Revision date 23/01/2020

Revision 3

Supersedes date 28/05/2015

SDS number 21189

Hazard statements in full H225 Highly flammable liquid and vapour.
H302 Harmful if swallowed.
H304 May be fatal if swallowed and enters airways.
H315 Causes skin irritation.
H319 Causes serious eye irritation.
H331 Toxic if inhaled.
H336 May cause drowsiness or dizziness.
H361d Suspected of damaging the unborn child.
H361f Suspected of damaging fertility.
H373 May cause damage to organs through prolonged or repeated exposure.
H411 Toxic 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.