



## SAFETY DATA SHEET ARBO PRIMER 2172

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

#### 1.1. Product identifier

**Product name** ARBO PRIMER 2172

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

**Identified uses** Primer for use on specified substrates prior to the application of Arbosil silicone sealants.

#### 1.3. Details of the supplier of the safety data sheet

**Supplier** Adshead Ratcliffe & Co. Ltd.  
Derby Road, Belper  
Derbyshire.  
DE56 1WJ  
Tel. (+44) 01773 826661  
Fax. (+44) 01773 821215  
sds@arbo.co.uk

#### 1.4. Emergency telephone number

**Emergency telephone** (+44) 01773 826661 (office hours only)

### SECTION 2: Hazards identification

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

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

**Physical hazards** Flam. Liq. 2 - H225  
**Health hazards** Eye Irrit. 2 - H319 Skin Sens. 1 - H317 STOT SE 2 - H371 STOT SE 3 - H336  
**Environmental hazards** Not Classified

#### 2.2. Label elements

##### Pictogram



##### Signal word

Danger

##### Hazard statements

H225 Highly flammable liquid and vapour.  
H317 May cause an allergic skin reaction.  
H319 Causes serious eye irritation.  
H336 May cause drowsiness or dizziness.  
H371 May cause damage to organs .

## ARBO PRIMER 2172

<b>Precautionary statements</b>	<p>P210 Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking.</p> <p>P261 Avoid breathing vapours.</p> <p>P280 Wear protective gloves.</p> <p>P280 Wear eye protection.</p> <p>P314 Get medical advice/ attention if you feel unwell.</p> <p>P403+P233 Store in a well-ventilated place. Keep container tightly closed.</p> <p>P501 Dispose of contents/ container in accordance with national regulations.</p>
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**Contains** ETHYL ACETATE, METHYL METHACRYLATE, METHANOL

### 2.3. Other hazards

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

##### 3.2. Mixtures

<b>ETHYL ACETATE</b>	<b>60-100%</b>
CAS number: 141-78-6	EC number: 205-500-4
<b>Classification</b>	
Flam. Liq. 2 - H225	
Eye Irrit. 2 - H319	
STOT SE 3 - H336	
<b>METHYL METHACRYLATE</b>	<b>5-10%</b>
CAS number: 80-62-6	EC number: 201-297-1
<b>Classification</b>	
Flam. Liq. 2 - H225	
Skin Irrit. 2 - H315	
Skin Sens. 1 - H317	
STOT SE 3 - H335	
<b>METHANOL</b>	<b>1-5%</b>
CAS number: 67-56-1	EC number: 200-659-6
<b>Classification</b>	
Flam. Liq. 2 - H225	
Acute Tox. 3 - H301	
Acute Tox. 3 - H311	
Acute Tox. 3 - H331	
STOT SE 1 - H370	

The full text for all hazard statements is displayed in Section 16.

#### SECTION 4: First aid measures

##### 4.1. Description of first aid measures

<b>General information</b>	In all cases of doubt, or if symptoms persist, seek medical attention. Never give anything by mouth to an unconscious person.
<b>Inhalation</b>	Move affected person to fresh air at once. Get medical attention if any discomfort continues.
<b>Ingestion</b>	Rinse mouth thoroughly with water. Give plenty of water to drink. Give milk instead of water if readily available. DO NOT induce vomiting. Get medical attention immediately.

## ARBO PRIMER 2172

<b>Skin contact</b>	Remove contaminated clothing. Wash skin thoroughly with soap and water. Get medical attention if irritation persists after washing.
<b>Eye contact</b>	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 any discomfort continues.

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

<b>Inhalation</b>	Vapour may irritate respiratory system/lungs. May cause drowsiness or dizziness.
<b>Ingestion</b>	May cause stomach pain or vomiting.
<b>Skin contact</b>	May cause an allergic skin reaction.
<b>Eye contact</b>	Irritating to eyes. Symptoms following overexposure may include the following: Redness. Pain.

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

<b>Notes for the doctor</b>	No specific recommendations.
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## SECTION 5: Firefighting measures

### 5.1. Extinguishing media

<b>Suitable extinguishing media</b>	Foam, carbon dioxide or dry powder.
<b>Unsuitable extinguishing media</b>	Do not use water jet as an extinguisher, as this will spread the fire.

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

<b>Specific hazards</b>	The product is flammable. Heating may generate flammable vapours. Protection against nuisance dust must be used when the airborne concentration exceeds 10 mg/m <sup>3</sup> . Vapours are heavier than air and may spread near ground and travel a considerable distance to a source of ignition and flash back. May explode when heated or when exposed to flames or sparks.
<b>Hazardous combustion products</b>	Oxides of carbon. Thermal decomposition or combustion may liberate carbon oxides and other toxic gases or vapours.

### 5.3. Advice for firefighters

<b>Protective actions during firefighting</b>	Control run-off water by containing and keeping it out of sewers and watercourses. Cool containers exposed to flames with water until well after the fire is out.
<b>Special protective equipment for firefighters</b>	Wear self contained breathing apparatus.

## SECTION 6: Accidental release measures

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

<b>Personal precautions</b>	Wear appropriate protective clothing. Avoid inhalation of vapours and contact with skin and eyes. Eliminate all sources of ignition. Ventilate area to dispel any residual vapours.
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### 6.2. Environmental precautions

<b>Environmental precautions</b>	Avoid the spillage or runoff entering drains, sewers or watercourses.
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### 6.3. Methods and material for containment and cleaning up

<b>Methods for cleaning up</b>	Absorb spillage with non-combustible, absorbent material. Collect and place in suitable waste disposal containers and seal securely. Small Spillages: Absorb small quantities with paper towels and evaporate in a safe place.
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## ARBO PRIMER 2172

### 6.4. Reference to other sections

**Reference to other sections** For personal protection, see Section 8. See Section 11 for additional information on health hazards. 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. Avoid spilling. Avoid contact with skin and eyes. Provide adequate ventilation. Avoid inhalation of vapours. Use approved respirator if air contamination is above an acceptable level. Wear suitable protective equipment for prolonged exposure and/or high concentrations of vapours, spray or mist.

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

**Storage precautions** Keep away from oxidising materials, heat and flames. Store in tightly-closed, original container in a dry, cool and well-ventilated place. May attack some plastics, rubber and coatings. Earth container and transfer equipment to eliminate sparks from static electricity.

**Storage class** Flammable liquid storage.

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

**Usage description** Paintable primer.

### SECTION 8: Exposure Controls/personal protection

#### 8.1. Control parameters

##### Occupational exposure limits

##### ETHYL ACETATE

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

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

##### METHYL METHACRYLATE

Long-term exposure limit (8-hour TWA): WEL 50 ppm 208 mg/m<sup>3</sup>

Short-term exposure limit (15-minute): WEL 100 ppm 416 mg/m<sup>3</sup>

##### METHANOL

Long-term exposure limit (8-hour TWA): WEL 200 ppm 266 mg/m<sup>3</sup>

Short-term exposure limit (15-minute): WEL 250 ppm 333 mg/m<sup>3</sup>

Sk

WEL = Workplace Exposure Limit

Sk = Can be absorbed through the skin.

#### ETHYL ACETATE (CAS: 141-78-6)

##### DNEL

Workers - Inhalation; Long term systemic effects: 734 mg/m<sup>3</sup>

Workers - Inhalation; Short term systemic effects: 1468 mg/m<sup>3</sup>

Workers - Inhalation; Long term local effects: 734 mg/m<sup>3</sup>

Workers - Inhalation; Short term local effects: 1468 mg/m<sup>3</sup>

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

General population - Inhalation; Long term systemic effects: 367 mg/m<sup>3</sup>

General population - Inhalation; Short term systemic effects: 734 mg/m<sup>3</sup>

General population - Inhalation; Long term local effects: 367 mg/m<sup>3</sup>

General population - Inhalation; Short term local effects: 734 mg/m<sup>3</sup>

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

## ARBO PRIMER 2172

<b>PNEC</b>	- 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

### METHANOL (CAS: 67-56-1)

<b>DNEL</b>	Workers - Inhalation; Long term systemic effects: 260 mg/m <sup>3</sup>
	Workers - Inhalation; Short term systemic effects: 260 mg/m <sup>3</sup>
	Workers - Inhalation; Long term local effects: 260
	Workers - Inhalation; Short term local effects: 260 mg/m <sup>3</sup>
	Workers - Dermal; Long term systemic effects: 40 mg/kg/day
	Workers - Dermal; Short term systemic effects: 40 mg/kg/day
	General population - Inhalation; Long term systemic effects: 50 mg/m <sup>3</sup>
	General population - Inhalation; Short term systemic effects: 50 mg/m <sup>3</sup>
	General population - Inhalation; Long term local effects: 50 mg/m <sup>3</sup>
	General population - Inhalation; Short term local effects: 50 mg/m <sup>3</sup>
<b>PNEC</b>	General population - Dermal; Long term systemic effects: 8 mg/kg/day
	General population - Dermal; Short term systemic effects: 8 mg/kg/day

<b>PNEC</b>	- Fresh water; 20.8 mg/l
	- Marine water; 2.08 mg/l
	- Intermittent release; 1540 mg/l
	- STP; 100 mg/l
	- Sediment (Freshwater); 77 mg/kg
	- Sediment (Marinewater); 7.7 mg/kg
	- Soil; 3.18 mg/kg

## 8.2. Exposure controls

### Protective equipment



### Appropriate engineering controls

Provide adequate general and local exhaust ventilation. This product must not be handled in a confined space without adequate ventilation.

### Eye/face protection

The following protection should be worn: Chemical splash goggles.

### Hand protection

Wear protective gloves made of the following material: Butyl rubber.

### Other skin and body protection

Use engineering controls to reduce air contamination to permissible exposure level. Provide eyewash station and safety shower. Wear appropriate clothing to prevent any possibility of skin contact.

### Hygiene measures

Do not smoke in work area. Wash at the end of each work shift and before eating, smoking and using the toilet. Wash promptly with soap and water if skin becomes contaminated. Promptly remove any clothing that becomes contaminated. Use appropriate skin cream to prevent drying of skin. When using do not eat, drink or smoke.

### Respiratory protection

No specific recommendations. Respiratory protection must be used if the airborne contamination exceeds the recommended occupational exposure limit.

## SECTION 9: Physical and Chemical Properties

## ARBO PRIMER 2172

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

Appearance	Liquid.
Colour	Clear liquid.
Odour	Ester.
Odour threshold	Ethyl acetate: 0.61 ppm
pH	Not applicable.
Melting point	< 0°C
Initial boiling point and range	~ 80°C @
Flash point	~ -2.8°C TCC (Tag closed cup).
Evaporation rate	~ 6
Upper/lower flammability or explosive limits	Upper flammable/explosive limit: 11 g/100 g Lower flammable/explosive limit: 2 g/100 g
Vapour pressure	Ethyl acetate: 73 mm Hg @ 20°C
Vapour density	Ethyl acetate: 3.04
Relative density	0.91 @ 20°C
Solubility(ies)	Ethyl acetate: 8 g/100 g water @ 25°C
Auto-ignition temperature	~ 385°C
Decomposition Temperature	Not determined.
Viscosity	Ethyl acetate: 0.44 cP @ 25°C
Explosive properties	No specific test data are available.
Oxidising properties	Does not meet the criteria for classification as oxidising.

### 9.2. Other information

Other information Not determined.

## 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

### 10.4. Conditions to avoid

Conditions to avoid Avoid contact with the following materials: Oxidising agents. Reducing agents. Avoid heat, flames and other sources of ignition.

### 10.5. Incompatible materials

### 10.6. Hazardous decomposition products

Hazardous decomposition products Fire creates: Vapours/gases/fumes of: Carbon monoxide (CO). Carbon dioxide (CO<sub>2</sub>).

## SECTION 11: Toxicological information

### 11.1. Information on toxicological effects

## ARBO PRIMER 2172

<b>Toxicological effects</b>	There are no data available on this product.
<b><u>Acute toxicity - oral</u></b>	
<b>ATE oral (mg/kg)</b>	3,333.33
<b><u>Acute toxicity - dermal</u></b>	
<b>ATE dermal (mg/kg)</b>	10,000.0
<b><u>Acute toxicity - inhalation</u></b>	
<b>ATE inhalation (gases ppm)</b>	23,333.33
<b>ATE inhalation (vapours mg/l)</b>	100.0
<b>ATE inhalation (dusts/mists mg/l)</b>	16.67
<b><u>Skin corrosion/irritation</u></b>	
<b>Animal data</b>	Based on available data the classification criteria are not met.
<b><u>Serious eye damage/irritation</u></b>	
<b>Serious eye damage/irritation</b>	Causes eye irritation.
<b><u>Skin sensitisation</u></b>	
<b>Skin sensitisation</b>	Sensitising.
<b><u>Germ cell mutagenicity</u></b>	
<b>Genotoxicity - in vitro</b>	Does not contain any substances known to be mutagenic.
<b><u>Carcinogenicity</u></b>	
<b>Carcinogenicity</b>	Does not contain any substances known to be carcinogenic.
<b><u>Reproductive toxicity</u></b>	
<b>Reproductive toxicity - fertility</b>	Does not contain any substances known to be toxic to reproduction.
<b><u>Specific target organ toxicity - single exposure</u></b>	
<b>STOT - single exposure</b>	Based on constituents classified as a specific target organ toxicant after single exposure. May cause drowsiness and dizziness.
<b><u>Specific target organ toxicity - repeated exposure</u></b>	
<b>STOT - repeated exposure</b>	Not classified as a specific target organ toxicant after repeated exposure.
<b><u>Aspiration hazard</u></b>	
<b>Aspiration hazard</b>	Based on available data the classification criteria are not met.
<b><u>Inhalation</u></b>	
<b>Inhalation</b>	Vapours may cause drowsiness and dizziness.
<b><u>Ingestion</u></b>	
<b>Ingestion</b>	Narcotic effect.
<b><u>Skin contact</u></b>	
<b>Skin contact</b>	Irritating to skin. Product has a defatting effect on skin. May cause allergic contact eczema.
<b><u>Eye contact</u></b>	
<b>Eye contact</b>	Irritating to eyes.
<b><u>Medical symptoms</u></b>	
<b>Medical symptoms</b>	Severe irritation, burning and tearing. Severe skin irritation. Nausea, vomiting. Central nervous system depression. Drowsiness, dizziness, disorientation, vertigo. Pulmonary oedema, frothy sputum.

**Toxicological information on ingredients.**

**ETHYL ACETATE**

## ARBO PRIMER 2172

### Acute toxicity - oral

**Notes (oral LD<sub>50</sub>)** LD<sub>50</sub> >5000 mg/kg, Oral, Rat

### Acute toxicity - dermal

**Notes (dermal LD<sub>50</sub>)** LD<sub>50</sub> >2000 mg/kg, Dermal, Rat

### Acute toxicity - inhalation

**Notes (inhalation LC<sub>50</sub>)** LC<sub>50</sub> 22.5 mg/l, Inhalation, Rat

## SECTION 12: Ecological Information

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

### 12.1. Toxicity

**Toxicity** There are no data for the product.

### Ecological information on ingredients.

#### ETHYL ACETATE

**Acute toxicity - fish** LC<sub>50</sub>, 96 hours: 220 mg/l, Pimephales promelas (Fat-head Minnow)

**Acute toxicity - aquatic invertebrates** EC<sub>50</sub>, 48 hours: 165 mg/l, Daphnia magna

**Acute toxicity - aquatic plants** EC<sub>50</sub>, 72 hours: >100 mg/l, Desmodemus subspicatus

**Acute toxicity - microorganisms** EC<sub>50</sub>, 15 minutes: 1500 mg/l, Bacteria

**Chronic toxicity - aquatic plants** NOEC 72 hours: >100 mg/l, Desmodemus subspicatus

### 12.2. Persistence and degradability

**Persistence and degradability** There are no data on the degradability of this product.

### Ecological information on ingredients.

#### ETHYL ACETATE

**Biodegradation** - Degradation 70%: 28 days

### 12.3. Bioaccumulative potential

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

### Ecological information on ingredients.

#### ETHYL ACETATE

**Partition coefficient** log Pow: 0.73

### 12.4. Mobility in soil

**Mobility** The product is partly miscible with water and may spread in the aquatic environment.

### 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.

## ARBO PRIMER 2172

### 12.6. Other adverse effects

**Other adverse effects** Not known.

### **SECTION 13: Disposal considerations**

#### 13.1. Waste treatment methods

**General information** Waste is classified as hazardous waste. Dispose of waste to licensed waste disposal site in accordance with the requirements of the local Waste Disposal Authority. Materials such as cleaning rags and paper wipes that are contaminated with flammable liquids may self-ignite after use and should be stored in designated fireproof containers with tight-fitting, self-closing lids.

**Disposal methods** Dispose of waste to licensed waste disposal site in accordance with the requirements of the local Waste Disposal Authority. Avoid the spillage or runoff entering drains, sewers or watercourses.

### **SECTION 14: Transport information**

#### 14.1. UN number

**UN No. (ADR/RID)** 1263

#### 14.2. UN proper shipping name

**Proper shipping name (ADR/RID)** FLAMMABLE LIQUID, N.O.S.(ETHYL ACETATE, METHANOL)

**Proper shipping name (IMDG)** FLAMMABLE LIQUID, N.O.S.(ETHYL ACETATE, METHANOL)

**Proper shipping name (ICAO)** FLAMMABLE LIQUID, N.O.S.(ETHYL ACETATE, METHANOL)

**Proper shipping name (ADN)** FLAMMABLE LIQUID, N.O.S.(ETHYL ACETATE, METHANOL)

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

**ADR/RID class** 3

**ADR/RID label** 3

**IMDG class** 3

#### 14.4. Packing group

#### 14.5. Environmental hazards

#### 14.6. Special precautions for user

**Hazard Identification Number (ADR/RID)** 30

#### 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

**EU legislation** Regulation (EC) 1907/2006 REACH (as amended).  
Regulation (EC) 1272/2008 CLP (as amended).

**Guidance** Workplace Exposure Limits EH40.

#### 15.2. Chemical safety assessment

## ARBO PRIMER 2172

No chemical safety assessment has been carried out.

### SECTION 16: Other information

<b>Revision comments</b>	General review
<b>Revision date</b>	02/06/2017
<b>Revision</b>	2
<b>Supersedes date</b>	25/04/2017
<b>SDS number</b>	10023
<b>Hazard statements in full</b>	H225 Highly flammable liquid and vapour. H301 Toxic if swallowed. H311 Toxic in contact with skin. H315 Causes skin irritation. H317 May cause an allergic skin reaction. H319 Causes serious eye irritation. H331 Toxic if inhaled. H335 May cause respiratory irritation. H336 May cause drowsiness or dizziness. H370 Causes damage to organs . H371 May cause damage to organs .

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.