



## SAFETY DATA SHEET ARBOSIL 1096

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

#### 1.1. Product identifier

Product name                      ARBOSIL 1096

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

Identified uses                      Sealant.

#### 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

Physical hazards                      Not Classified  
Health hazards                        Skin Sens. 1 - H317  
Environmental hazards              Not Classified

#### 2.2. Label elements

##### Pictogram



Signal word                            Warning  
Hazard statements                    H317 May cause an allergic skin reaction.  
Precautionary statements          P280 Wear protective gloves.  
Contains                                METHYL-0,0',0"-BUTAN-2-ONE-TRIOXIMOSILANE

#### 2.3. Other hazards

### SECTION 3: Composition/information on ingredients

#### 3.2. Mixtures

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<b>METHYL-0,0',0"-BUTAN-2-ONE-TRIOXIMOSILANE</b>		<b>1-5%</b>
CAS number: 22984-54-9		EC number: 245-366-4
<b>Classification</b> Eye Irrit. 2 - H319 Skin Sens. 1 - H317 STOT RE 2 - H373		
<b>BUTANONE OXIME VINYLSILANE</b>		<b>&lt;1%</b>
CAS number: 2224-33-1		EC number: 218-747-8
<b>Classification</b> Eye Dam. 1 - H318 Skin Sens. 1 - H317 STOT RE 2 - H373		
<b>3-(2-AMINOETHYLAMINO)-PROPYLTRIMETHOXY-SILANE</b>		<b>&lt;1%</b>
CAS number: 1760-24-3		EC number: 217-164-6
<b>Classification</b> Acute Tox. 4 - H332 Eye Dam. 1 - H318 Skin Sens. 1 - H317 Aquatic Chronic 2 - H411		

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>	In all cases of doubt, or if symptoms persist, seek medical attention. Never give anything by mouth to an unconscious person.
<b>Inhalation</b>	If inhalation causes adverse effects, remove to fresh air.
<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 if any discomfort continues.
<b>Skin contact</b>	Wipe off excess material with cloth or paper. Wash skin thoroughly with soap and water. Get medical attention promptly if symptoms occur after washing. In the event of any sensitisation symptoms developing, ensure further exposure is avoided.
<b>Eye contact</b>	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>	No specific symptoms known.
<b>Ingestion</b>	May cause discomfort if swallowed.
<b>Skin contact</b>	Allergic rash.
<b>Eye contact</b>	May cause temporary eye irritation.

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

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### SECTION 5: Firefighting measures

#### 5.1. Extinguishing media

**Suitable extinguishing media** Water spray, fog or mist. Foam, carbon dioxide or dry powder.

**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** No unusual fire or explosion hazards noted.

**Hazardous combustion products** Oxides of carbon. Thermal decomposition or combustion may liberate carbon oxides and other toxic gases or vapours.

#### 5.3. Advice for firefighters

**Protective actions during firefighting** No specific firefighting precautions known.

**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 appropriate protective clothing. Avoid contact with eyes and skin.

#### 6.2. Environmental precautions

**Environmental precautions** Do not discharge into drains or watercourses or onto the ground.

#### 6.3. Methods and material for containment and cleaning up

**Methods for cleaning up** Collect and place in suitable waste disposal containers and seal securely. Clean any slippery coating that remains using a detergent / soap solution or other biodegradable cleaner.

#### 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** Avoid spilling. Avoid contact with skin and eyes. Persons susceptible to allergic reactions should not handle this product. Good personal hygiene procedures should be implemented.

#### 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.

**Storage class** Unspecified storage.

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

**Specific end use(s)** The identified uses for this product are detailed in Section 1.2.

**Usage description** Gunnable sealant.

### SECTION 8: Exposure Controls/personal protection

#### 8.1. Control parameters

#### 8.2. Exposure controls

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### Protective equipment



#### Appropriate engineering controls

Provide adequate ventilation.

#### Eye/face protection

Eyewear complying with an approved standard should be worn if a risk assessment indicates eye contact is possible.

#### Hand protection

Use protective gloves. The most suitable glove should be chosen in consultation with the glove supplier/manufacturer, who can provide information about the breakthrough time of the glove material.

#### Hygiene measures

Wash hands 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.

#### Respiratory protection

No specific recommendations.

### SECTION 9: Physical and Chemical Properties

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

Appearance	Thixotropic paste.
Colour	Various colours.
Odour	Slight.
Odour threshold	Not determined.
pH	pH (concentrated solution): Not applicable.
Melting point	Not applicable.
Initial boiling point and range	Not applicable.
Flash point	Not applicable.
Evaporation rate	Not applicable.
Evaporation factor	Not applicable.
Upper/lower flammability or explosive limits	Not applicable.
Vapour pressure	Not applicable.
Vapour density	Not applicable.
Relative density	1.28 @ 20C
Solubility(ies)	Insoluble in water.
Partition coefficient	Not applicable.
Auto-ignition temperature	Not applicable.
Decomposition Temperature	Not determined.
Viscosity	8,000-10,000 P @ 20°C
Explosive properties	Not applicable.
Oxidising properties	Not applicable.

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### 9.2. Other information

Other information                      None.

### SECTION 10: Stability and reactivity

#### 10.1. Reactivity

Reactivity                              There are no known reactivity hazards associated with this product.

#### 10.2. Chemical stability

Stability                                Stable at normal ambient temperatures and when used as recommended. Moisture curing process releases: a small amount of butanone-2-oxime (MEKO)

#### 10.3. Possibility of hazardous reactions

Possibility of hazardous reactions      Not known. Will not polymerise.

#### 10.4. Conditions to avoid

Conditions to avoid                      Avoid excessive heat for prolonged periods of time.

#### 10.5. Incompatible materials

Materials to avoid                      Strong oxidising agents.

#### 10.6. Hazardous decomposition products

Hazardous decomposition products      Thermal decomposition or combustion may liberate carbon oxides and other toxic gases or vapours. Oxides of carbon. Oxides of nitrogen.

### SECTION 11: Toxicological information

#### 11.1. Information on toxicological effects

Toxicological effects                      Butanone-2-oxime (MEKO) is damaging to nasal membranes in rats and mice at a concentration in excess of 10ppm over a prolonged period of time.

#### Acute toxicity - oral

Notes (oral LD<sub>50</sub>)                      For this endpoint no toxicological data is available for the whole product.

#### Acute toxicity - dermal

Notes (dermal LD<sub>50</sub>)                      For this endpoint no toxicological data is available for the whole product.

#### Acute toxicity - inhalation

Notes (inhalation LC<sub>50</sub>)                      For this endpoint no toxicological data is available for the whole product.

#### Skin corrosion/irritation

Animal data                              Based on available data the classification criteria are not met.

#### Serious eye damage/irritation

Serious eye damage/irritation      Based on available data the classification criteria are not met.

#### Skin sensitisation

Skin sensitisation                      The product contains a small amount of a sensitising substance which may cause an allergic reaction in sensitive individuals.

#### Germ cell mutagenicity

Genotoxicity - in vitro                      Does not contain any substances known to be mutagenic.

#### Carcinogenicity

Carcinogenicity                          Does not contain any substances known to be carcinogenic.

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### Reproductive toxicity

**Reproductive toxicity - fertility** Does not contain any substances known to be toxic to reproduction.

### Specific target organ toxicity - single exposure

**STOT - single exposure** Not classified as a specific target organ toxicant after a single exposure.

### Specific target organ toxicity - repeated exposure

**STOT - repeated exposure** Not classified as a specific target organ toxicant after repeated exposure.

### Aspiration hazard

**Aspiration hazard** Not relevant, due to the form of the product.

**Inhalation** No specific symptoms known.

**Ingestion** May cause discomfort if swallowed.

**Skin contact** May cause sensitisation by skin contact.

**Eye contact** May cause irritation to eyes.

## SECTION 12: Ecological Information

**Ecotoxicity** In cross-linked state not soluble in water. Easily separable from water by filtration.

### 12.1. Toxicity

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

### 12.2. Persistence and degradability

**Persistence and degradability** This product is not expected to be readily biodegradable.

### 12.3. Bioaccumulative potential

**Bioaccumulative potential** Bioaccumulation is unlikely to be significant because of the low water-solubility of this product.

**Partition coefficient** Not applicable.

### 12.4. Mobility in soil

**Mobility** The product is insoluble in water.

### 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.

### 12.6. Other adverse effects

## 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.

**Disposal methods** Confirm disposal procedures with environmental engineer and local regulations.

**Waste class** Recommended EWC Code 08 04 09\* HP13 Sensitising

## SECTION 14: Transport information

**General** The product is not covered by international regulations on the transport of dangerous goods (IMDG, IATA, ADR/RID).

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### 14.1. UN number

No information required.

### 14.2. UN proper shipping name

No information required.

### 14.3. Transport hazard class(es)

No information required.

### 14.4. Packing group

No information required.

### 14.5. Environmental hazards

**Environmentally hazardous substance/marine pollutant**

No.

### 14.6. Special precautions for user

No information required.

### 14.7. Transport in bulk according to Annex II of MARPOL73/78 and the IBC Code

**Transport in bulk according to** No information required.

**Annex II of MARPOL 73/78**

**and the IBC Code**

## **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.  
Regulation (EC) 1272/2008 CLP.

**Guidance** Workplace Exposure Limits EH40.

### 15.2. Chemical safety assessment

No chemical safety assessment has been carried out.

## **SECTION 16: Other information**

<b>Revision comments</b>	Classification and labelling according to CLP Regulations.
<b>Revision date</b>	01/06/2015
<b>Supersedes date</b>	12/12/2013
<b>SDS number</b>	10171
<b>Hazard statements in full</b>	H317 May cause an allergic skin reaction. H318 Causes serious eye damage. H319 Causes serious eye irritation. H332 Harmful if inhaled. H373 May cause damage to organs (Blood) through prolonged or repeated exposure if swallowed. H411 Toxic to aquatic life with long lasting effects.

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.