SAFETY DATA SHEET
ARBOSIL XL1099

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

1.1. Product identifier
Product name ARBOSIL XL1099

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

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 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
ARBOSIL XL1099

**METHYL-0,0',0''-BUTAN-2-ONE-TRIOXIMOSILANE**

1-5%

CAS number: 22984-54-9  
EC number: 245-366-4

**Classification**

Eye Irrit. 2 - H319  
Skin Sens. 1 - H317  
STOT RE 2 - H373

**POLYDIMETHYLSILOXANE WITH AMINOALKYL GROUPS**

1-5%

CAS number: 67923-07-3

**Classification**

Skin Irrit. 2 - H315  
Eye Dam. 1 - H318

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

**Composition comments**

Polydimethylsiloxane with fillers, auxiliaries, and oximosilane crosslinking agent.

**SECTION 4: First aid measures**

**4.1. Description of first aid measures**

**General information**

In all cases of doubt, or if symptoms persist, seek medical attention. Never give anything by mouth to an unconscious person.

**Inhalation**

Remove affected person from source of contamination. Move affected person to fresh air and keep warm and at rest in a position comfortable for breathing. Get medical attention if any discomfort continues.

**Ingestion**

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.

**Skin contact**

Wipe off excess material with cloth or paper. Wash skin thoroughly with soap and water. Get medical attention if irritation persists after washing.

**Eye contact**

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**

**Inhalation**

No specific symptoms known.

**Ingestion**

May cause discomfort if swallowed.

**Skin contact**

Allergic rash.

**Eye contact**

May cause temporary eye irritation.

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

**Notes for the doctor**

No specific recommendations.

**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: Oxides of carbon. Oxides of nitrogen. 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

METHYL-0,0',0''-BUTAN-2-ONE-TRIOXIMOSILANE (CAS: 22984-54-9)

DNEL: Workers - Inhalation; Long term systemic effects: 0.988 mg/m³
Workers - Dermal; Long term systemic effects: 0.14 mg/kg/day
General population - Inhalation; Long term systemic effects: 0.174 mg/m³
General population - Dermal; Long term systemic effects: 0.05 mg/kg/day
General population - Oral; Long term systemic effects: 0.05 mg/kg/day
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PNEC
- Fresh water; 0.26 mg/l
- Marine water; 0.026 mg/l
- Intermittent release; 0.12 mg/l
- STP; 10 mg/l
- Sediment (Freshwater); 1.02 mg/kg
- Sediment (Marine water); 0.102 mg/kg
- Soil; 0.05 mg/kg

8.2. Exposure controls

Protective equipment
Appropriate engineering controls
Provide adequate general and local exhaust 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 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
1.35 @ 20°C @ °C

Solubility(ies)
Insoluble in water.
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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.

9.2. Other information

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 LD₅₀) For this endpoint no toxicological data is available for the whole product.

Acute toxicity - dermal
Notes (dermal LD₅₀) For this endpoint no toxicological data is available for the whole product.

Acute toxicity - inhalation
Notes (inhalation LC₅₀) For this endpoint no toxicological data is available for the whole product.

Skin corrosion/irritation
Animal data For this endpoint no toxicological data is available for the whole product.

Serious eye damage/irritation
Serious eye damage/irritation For this endpoint no toxicological data is available for the whole product.

Skin sensitisation
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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
For this endpoint no toxicological data is available for the whole product.

Carcinogenicity
For this endpoint no toxicological data is available for the whole product.

Reproductive toxicity
Reproductive toxicity - fertility
For this endpoint no toxicological data is available for the whole product.

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.

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.
## ARBOSIL XL1099

### Waste class
Recommended EWC Code 08 04 09* H13 - Sensitising

### 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
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

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<th>Environmentally hazardous substance/marine pollutant</th>
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#### 14.6. Special precautions for user
No information required.

#### 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

### SECTION 15: Regulatory information

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

<table>
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<tr>
<th>EU legislation</th>
<th>Regulation (EC) 1907/2006 REACH (as amended).</th>
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<tr>
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<td>Regulation (EC) 1272/2008 CLP (as amended).</td>
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<th>Guidance</th>
<th>Workplace Exposure Limits EH40.</th>
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#### 15.2. Chemical safety assessment
No chemical safety assessment has been carried out.

### SECTION 16: Other information

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Hazard statements in full

H304 May be fatal if swallowed and enters airways.
H315 Causes skin irritation.
H317 May cause an allergic skin reaction.
H318 Causes serious eye damage.
H319 Causes serious eye irritation.
H373 May cause damage to organs (Blood) through prolonged or repeated exposure if swallowed.

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.