



## SAFETY DATA SHEET ARBOSIL HM

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

#### 1.1. Product identifier

Product name ARBOSIL HM

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

Identified uses General purpose silicone sealant Glass and sanitary 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 Not Classified

Environmental hazards Not Classified

#### 2.2. Label elements

Hazard statements NC Not Classified

Supplemental label information EUH210 Safety data sheet available on request.

#### 2.3. Other hazards

### SECTION 3: Composition/information on ingredients

#### 3.2. Mixtures

## ARBOSIL HM

### 4,5-DICHLORO-2-OCTYL-2H-ISOTHIAZOL-3-ONE

&lt;1%

CAS number: 64359-81-5

EC number: 264-843-8

M factor (Acute) = 100

#### Classification

Acute Tox. 4 - H302

Acute Tox. 3 - H331

Skin Corr. 1B - H314

Skin Sens. 1 - H317

Aquatic Acute 1 - H400

The Full Text for all R-Phrases and Hazard Statements are Displayed in Section 16.

**Composition comments** Polydimethylsiloxane with fillers,,auxiliaries,,acetoxysilane crosslinking agent.

## 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 a few small glasses of water or milk to drink. Get medical attention if a large quantity has been ingested. Show this Safety Data Sheet to the medical personnel.
<b>Skin contact</b>	Wipe off excess material with cloth or paper. Wash skin thoroughly with soap and water. Get medical attention if any discomfort continues.
<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>	May cause discomfort.
<b>Ingestion</b>	May cause discomfort if swallowed.
<b>Skin contact</b>	Prolonged skin contact may cause redness and irritation.
<b>Eye contact</b>	May cause temporary eye irritation.

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

## SECTION 5: Firefighting measures

### 5.1. Extinguishing media

<b>Suitable extinguishing media</b>	Water spray. 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>	No unusual fire or explosion hazards noted.
<b>Hazardous combustion products</b>	Oxides of carbon. Thermal decomposition or combustion may liberate carbon oxides and other toxic gases or vapours. Acetic acid.

### 5.3. Advice for firefighters

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**Protective actions during firefighting**      Avoid breathing fire gases or vapours.

**Special protective equipment for firefighters**      Wear self contained breathing apparatus.

### SECTION 6: Accidental release measures

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

**Personal precautions**      Provide adequate ventilation. Avoid inhalation of vapours and contact with skin and eyes.  
Wear appropriate protective clothing.

#### 6.2. Environmental precautions

**Environmental precautions**      Do not allow into watercourses. Contain spillage with sand, earth or other suitable non-combustible material.

#### 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. Provide adequate ventilation. 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

##### 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.

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<b>Hand protection</b>	For prolonged or repeated skin contact use suitable protective gloves. It is recommended that gloves are made of the following material: Viton rubber (fluoro rubber). Gloves suitable for up to 60 minutes use.
<b>Other skin and body protection</b>	Wear appropriate clothing to prevent repeated or prolonged skin contact.
<b>Hygiene measures</b>	No specific hygiene procedures recommended but good personal hygiene practices should always be observed when working with chemical products. Wash hands at the end of each work shift and before eating, smoking and using the toilet.
<b>Respiratory protection</b>	If ventilation is inadequate, suitable respiratory protection must be worn. Use of ABEK mask filter during prolonged exposure advised.

### SECTION 9: Physical and Chemical Properties

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

<b>Appearance</b>	Uncured -paste. Cured - rubber.
<b>Colour</b>	Various colours.
<b>Odour</b>	Pungent.
<b>Odour threshold</b>	Acetic acid: 0.025 mg/m <sup>3</sup>
<b>pH</b>	Product displays acidic reaction with water.
<b>Melting point</b>	Not applicable.
<b>Initial boiling point and range</b>	Not applicable.
<b>Flash point</b>	Not applicable.
<b>Evaporation rate</b>	Not applicable.
<b>Evaporation factor</b>	Not applicable.
<b>Upper/lower flammability or explosive limits</b>	Upper flammable/explosive limit: 17 (acetic acid) Lower flammable/explosive limit: 4 (acetic acid)
<b>Vapour pressure</b>	Not applicable.
<b>Vapour density</b>	Not applicable.
<b>Relative density</b>	1.04
<b>Solubility(ies)</b>	Practically insoluble Hydrolytic decomposition occurs.
<b>Partition coefficient</b>	: Not applicable.
<b>Auto-ignition temperature</b>	~ 400°C
<b>Decomposition Temperature</b>	Not determined.
<b>Viscosity</b>	~8000 P @ 20°C
<b>Explosive properties</b>	Not applicable.
<b>Explosive under the influence of a flame</b>	No
<b>Oxidising properties</b>	Does not meet the criteria for oxidising.

#### 9.2. Other information

<b>Other information</b>	None.
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### 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. Moisture curing process releases: a small amount of acetic acid

#### 10.3. Possibility of hazardous reactions

**Possibility of hazardous reactions** Not known. Will not polymerise.

#### 10.4. Conditions to avoid

**Conditions to avoid** Avoid contact with the following materials: Water, moisture.

#### 10.5. Incompatible materials

**Materials to avoid** Reacts with water, basic substances and alcohols. Reaction causes the formation of acetic acid.

#### 10.6. Hazardous decomposition products

**Hazardous decomposition products** By hydrolysis: Acetic acid. Temperatures of ~ 150 C may generate: A small amount of formaldehyde, through oxidation.

### SECTION 11: Toxicological information

#### 11.1. Information on toxicological effects

##### 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>)** Acetic acid: LC 50 (Rat, 4 h) - 11.4 mg/l

##### 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** Based on available data the classification criteria are not met.

##### 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.

##### 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.

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### 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 health hazards known.

**Ingestion** No harmful effects expected from quantities likely to be ingested by accident.

**Skin contact** Skin irritation should not occur when used as recommended.

**Eye contact** May cause temporary eye irritation.

**Acute and chronic health hazards** Moisture curing process releases a small amount of acetic acid which can irritate skin and mucous membranes.

### Toxicological information on ingredients.

#### 4,5-DICHLORO-2-OCTYL-2H-ISOTHIAZOL-3-ONE

##### Acute toxicity - oral

**ATE oral (mg/kg)** 500.0

##### Acute toxicity - inhalation

**ATE inhalation  
(dusts/mists mg/l)** 0.5

### **SECTION 12: Ecological Information**

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

### Ecological information on ingredients.

#### 4,5-DICHLORO-2-OCTYL-2H-ISOTHIAZOL-3-ONE

##### Acute aquatic toxicity

**LE(C)<sub>50</sub>** 0.001 < L(E)C<sub>50</sub> ≤ 0.01

**M factor (Acute)** 100

#### 12.2. Persistence and degradability

**Persistence and degradability** Silicone content: biologically not degradable.

#### 12.3. Bioaccumulative potential

**Bioaccumulative potential** Bioaccumulation in aquatic organisms is not expected.

**Partition coefficient** : Not applicable.

#### 12.4. Mobility in soil

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

#### 12.5. Results of PBT and vPvB assessment

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**Results of PBT and vPvB assessment**      This product does not contain any substances classified as PBT or vPvB.

### 12.6. Other adverse effects

**Other adverse effects**      None known.

## **SECTION 13: Disposal considerations**

### 13.1. Waste treatment methods

**General information**      When handling waste, the safety precautions applying to handling of the product should be considered.

**Disposal methods**      Dispose of waste to licensed waste disposal site in accordance with the requirements of the local Waste Disposal Authority. Confirm disposal procedures with environmental engineer and local regulations.

**Waste class**      Recommended EWC Code 08 04 10

## **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

**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 Annex II of MARPOL 73/78 and the IBC Code**      No information required.

## **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

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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>	17/06/2015
<b>Supersedes date</b>	22/06/2012
<b>SDS number</b>	10395
<b>Hazard statements in full</b>	H302 Harmful if swallowed. H312 Harmful in contact with skin. H314 Causes severe skin burns and eye damage. H317 May cause an allergic skin reaction. H318 Causes serious eye damage. H330 Fatal if inhaled. H335 May cause respiratory irritation. H400 Very toxic to aquatic life. H410 Very 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.