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
2.2. Label elements
2.3. Other hazards

SECTION 3: Composition/information on ingredients

3.2. Mixtures
Composition comments Polydimethylsiloxane with fillers, auxiliaries. acetoxysilane 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 Move affected person to fresh air at once. Get medical attention if any discomfort continues.

Ingestion 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.

Skin contact Remove affected person from source of contamination. Remove contaminated clothing. Wash skin thoroughly with soap and water. Get medical attention if any discomfort continues.

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
ARBOSIL HM

Inhalation  May cause discomfort.
Ingestion  May cause discomfort if swallowed.
Skin contact  Prolonged skin contact may cause redness and irritation.
Eye contact  May cause temporary eye irritation.

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

Notes for the doctor  See Section 4.1

SECTION 5: Firefighting measures

5.1. Extinguishing media
Suitable extinguishing media  Water spray. 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. Acetic acid.

5.3. Advice for firefighters
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 personal protective equipment (See section 8).

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.
ARBOSIL HM

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.

Hand protection
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.

Other skin and body protection
Wear appropriate clothing to prevent repeated or prolonged skin contact.

Hygiene measures
No specific hygiene procedures recommended but good personal hygiene practices should always be observed when working with chemical products. Wash at the end of each work shift and before eating, smoking and using the toilet.

Respiratory protection
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

Appearance
Uncured - paste. Cured - rubber.

Colour
Various colours.

Odour
Pungent.

Odour threshold
Acetic acid: 0.025 mg/m3

pH
Product displays acidic reaction with water.

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
Lower flammable/explosive limit: 4 (acetic acid) Upper flammable/explosive limit: 17 (acetic acid)
ARBOSIL HM

Vapour pressure Not applicable.

Vapour density Not applicable.

Solubility(ies) Practically insoluble Hydrolytic decomposition occurs.

Partition coefficient Not applicable.

Auto-ignition temperature ~ 400°C

Decomposition Temperature Not determined.

Viscosity ~8000 P @ 20°C

Explosive properties Not applicable.

Explosive under the influence of a flame No

Oxidising properties Does not meet the criteria for oxidising.

9.2. 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. 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 LD₅₀) Assessed on the basis of constituents; LD50, oral, rat >2000mg/Kg. Conclusion by analogy. ATE (mixture) oral >5000mg/Kg

Acute toxicity - dermal
Notes (dermal LD₅₀) LD50, dermal, rabbit >2009mg/Kg Conclusion by analogy.

Skin corrosion/irritation
Animal data Not irritating (rabbit). Conclusion by analogy.
ARBOSIL HM

**Serious eye damage/irritation**
Not irritating (rabbit). Conclusion by analogy.

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

**Germ cell mutagenicity**
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**
For this endpoint no toxicological data is available for the whole product.

**Specific target organ toxicity - single exposure**
For this endpoint no toxicological data is available for the whole product.

**Specific target organ toxicity - repeated exposure**
For this endpoint no toxicological data is available for the whole product.

**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**
Evaluation in analogy to a tested similar product: Slight irritation possible.

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

### SECTION 12: Ecological Information

**12.1. Toxicity**
There are no data for the product. Toxicity to fish is improbable.

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

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

**Partition coefficient**
Not applicable.

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

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

**12.6. Other adverse effects**
None known.
ARBOSIL HM

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 MARPOL 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 (as amended).
Regulation (EC) 1272/2008 CLP (as amended).

Guidance
Workplace Exposure Limits EH40.

15.2. Chemical safety assessment
No chemical safety assessment has been carried out.

SECTION 16: Other information

Revision comments
General review

Revision date
09/05/2017
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.