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

1.1. Product identifier
Product name ARBOSIL HDLM

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
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 HDLM

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

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

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

Inhalation
If inhalation causes adverse effects, remove to fresh air.

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 if any discomfort continues.

Skin contact
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.

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
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.
ARBOSIL HDLM

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

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.
ARBOSIL HDLM

SECTION 9: Physical and Chemical Properties

9.1. Information on basic physical and chemical properties

Appearance  Paste.
Colour  Various colours.
Odour  Slight.
Odour threshold  Not determined.
\pH  \( \text{pH (concentrated solution): Not applicable.} \)
\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 @ 20°C
Solubility(ies)  Insoluble in water.
Partition coefficient  Not applicable.
Auto-ignition temperature  Not applicable.
Decomposition Temperature  Not determined.
Viscosity  \( \approx 10,000 \text{ P @ 20°C} \)
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.

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**SECTION 12: Ecological Information**
ARBOSIL HDLM

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).

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
ARBOSIL HDLM

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

No chemical safety assessment has been carried out.

SECTION 16: Other information

Revision comments
Classification and labelling according to CLP Regulations.

Revision date
01/06/2015

Supersedes date
18/08/2014

SDS number
10430

Hazard statements in full
H317 May cause an allergic skin reaction.
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.