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

1.1. Product identifier
Product name ARBOSIL 1081 - Colours

1.2. Relevant identified uses of the substance or mixture and uses advised against
Identified uses 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 (EC 1272/2008)
Physical hazards Not Classified
Health hazards Elicitation - EUH208
Environmental hazards Not Classified

2.2. Label elements
Hazard statements EUH208 Contains 4,5-DICHLORO-2-N-OCTYL-4-ISOTHIAZOLIN-3-ONE. May produce an allergic reaction.

Supplemental label information EUH210 Safety data sheet available on request.

2.3. Other hazards

SECTION 3: Composition/information on ingredients

3.2. Mixtures

<table>
<thead>
<tr>
<th>TRIACETOXYETHYSILANE</th>
<th>1-5%</th>
</tr>
</thead>
<tbody>
<tr>
<td>CAS number: 17689-77-9</td>
<td>EC number: 241-677-4</td>
</tr>
</tbody>
</table>

Classification
Acute Tox. 4 - H302
Skin Corr. 1B - H314
Eye Dam. 1 - H318
ARBOSIL 1081 - Colours

OLIGOMERIC ETHYL AND METHYL ACETOXYSILANES

1-5%

CAS number: —

Classification
Skin Corr. 1B - H314
Eye Dam. 1 - H318

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

Composition comments Polydimethylsiloxane with fillers, auxiliaries. acetoxyilane 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 Wipe off excess material with cloth or paper. Wash skin thoroughly with soap and water. Get medical attention if any discomfort continues. 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 May cause discomfort.

Ingestion May cause discomfort if swallowed.

Skin contact The product contains a small amount of sensitising substance. May cause an allergic skin reaction.

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
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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 personal protective equipment (See section 8).

6.2. **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**

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.

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**SECTION 8: Exposure Controls/personal protection**

8.1. **Control parameters**

**Ingredient comments**
No exposure limits known for ingredient(s).

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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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

<table>
<thead>
<tr>
<th>Property</th>
<th>Value</th>
</tr>
</thead>
<tbody>
<tr>
<td>Appearance</td>
<td>Uncured -paste. Cured - rubber.</td>
</tr>
<tr>
<td>Colour</td>
<td>Various colours.</td>
</tr>
<tr>
<td>Odour</td>
<td>Pungent.</td>
</tr>
<tr>
<td>Odour threshold</td>
<td>Acetic acid: 0.025 mg/m3</td>
</tr>
<tr>
<td>pH</td>
<td>Product displays acidic reaction with water.</td>
</tr>
<tr>
<td>Melting point</td>
<td>Not applicable.</td>
</tr>
<tr>
<td>Initial boiling point and range</td>
<td>Not applicable.</td>
</tr>
<tr>
<td>Flash point</td>
<td>Not applicable.</td>
</tr>
<tr>
<td>Evaporation rate</td>
<td>Not applicable.</td>
</tr>
<tr>
<td>Evaporation factor</td>
<td>Not applicable.</td>
</tr>
<tr>
<td>Upper/lower flammability or explosive limits</td>
<td>Lower flammable/explosive limit: 4 (acetic acid) Upper flammable/explosive limit: 17 (acetic acid)</td>
</tr>
<tr>
<td>Vapour pressure</td>
<td>Not applicable.</td>
</tr>
<tr>
<td>Vapour density</td>
<td>Not applicable.</td>
</tr>
<tr>
<td>Relative density</td>
<td>0.98 - 1.05 @ 25 @ °C</td>
</tr>
<tr>
<td>Solubility(ies)</td>
<td>Practically insoluble Hydrolytic decomposition occurs.</td>
</tr>
<tr>
<td>Partition coefficient</td>
<td>: Not applicable.</td>
</tr>
<tr>
<td>Auto-ignition temperature</td>
<td>~ 400°C</td>
</tr>
<tr>
<td>Decomposition Temperature</td>
<td>Not determined.</td>
</tr>
<tr>
<td>Viscosity</td>
<td>~8,000 P @ °C</td>
</tr>
<tr>
<td>Explosive properties</td>
<td>Not applicable.</td>
</tr>
<tr>
<td>Explosive under the influence of a flame</td>
<td>No</td>
</tr>
<tr>
<td>Oxidising properties</td>
<td>Does not meet the criteria for oxidising.</td>
</tr>
</tbody>
</table>

9.2. Other information

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

ATE oral (mg/kg)
58,480.0

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

Acute toxicity - inhalation
ATE inhalation (gases ppm)
700,000.0

ATE inhalation (vapours mg/l)
3,000.0

ATE inhalation (dusts/mists mg/l)
500.0

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

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

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

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

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
May cause an allergic skin reaction.

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

Ecotoxicity
The product components are not classified as environmentally hazardous. 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.

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
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.
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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
15/05/2017

Revision
1

Supersedes date
21/06/2012

SDS number
10010
ARBOSIL 1081 - Colours

Hazard statements in full

EUH208 Contains 4,5-DICHLORO-2-N-OCTYL-4-ISOTHIAZOLIN-3-ONE. May produce an allergic reaction.
H302 Harmful if swallowed.
H314 Causes severe skin burns and eye damage.
H318 Causes serious eye damage.

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.