



## SAFETY DATA SHEET ARBOSIL 1070

### SECTION 1: IDENTIFICATION OF THE SUBSTANCE/MIXTURE AND OF THE COMPANY/UNDERTAKING

#### 1.1. Product identifier

Product name ARBOSIL 1070

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

Identified uses Fire resistant silicone 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

(+44) 01773 826661 (office hours only)

### SECTION 2: HAZARDS IDENTIFICATION

#### 2.1. Classification of the substance or mixture

Classification (1999/45/EEC) Not classified.

Human health

Not considered as a health hazard under current legislation.

Environment

The product is not expected to be hazardous to the environment.

#### 2.2. Label elements

Risk Phrases

NC

Not classified.

Safety Phrases

P13

Safety data sheet available for professional user on request.

#### 2.3. Other hazards

### SECTION 3: COMPOSITION/INFORMATION ON INGREDIENTS

#### 3.2. Mixtures

BIS-(N-METHYLBENZAMIDO)-METHYLETHOXYSILANE	1 - 5%
CAS-No.: 16230-35-6	EC No.: 240-354-5
Classification (EC 1272/2008) Skin Irrit. 2 - H315 Eye Irrit. 2 - H319 STOT SE 3 - H335	Classification (67/548/EEC) Xi;R36/37/38.

# ARBOSIL 1070

TITANIUMACETYLACETATE		1 - 5%
CAS-No.: 83877-91-2	EC No.: 281-161-6	
Classification (EC 1272/2008) Flam. Liq. 3 - H226	Classification (67/548/EEC) R10.	
DIOCTYL TIN DILAURATE		< 1%
CAS-No.: 3648-18-8	EC No.: 222-883-3	
Classification (EC 1272/2008) Repr. 2 - H361d STOT RE 1 - H372 Aquatic Chronic 4 - H413	Classification (67/548/EEC) T;R48/25. Repr. Cat. 3;R63. R53.	

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

## Composition Comments

Polydimethylsiloxane with fillers, auxiliaries. benzamidosilane 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

If inhalation causes adverse effects, remove to fresh air.

#### Ingestion

Immediately rinse mouth and drink plenty of water (200-300 ml). Give milk instead of water if readily available. Get medical attention if any discomfort continues.

#### Skin contact

Wipe off excess material with cloth or paper. Wash the skin immediately with soap and water. Get medical attention if any discomfort continues.

#### Eye contact

Immediately flush with plenty of water for up to 15 minutes. Remove any contact lenses and open eyes wide apart. Get medical attention if any discomfort continues.

### 4.2. Most important symptoms and effects, both acute and delayed

#### Inhalation.

No specific symptoms noted.

#### Ingestion

May cause discomfort if swallowed.

#### Skin contact

No specific symptoms noted.

#### Eye contact

May cause temporary eye irritation.

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

Treat Symptomatically.

## SECTION 5: FIREFIGHTING MEASURES

### 5.1. Extinguishing media

#### Extinguishing media

Use fire-extinguishing media appropriate for surrounding materials.

#### Unsuitable extinguishing media

None known.

### 5.2. Special hazards arising from the substance or mixture

#### Hazardous combustion products

Thermal decomposition or combustion may liberate carbon oxides and other toxic gases or vapours.

# ARBOSIL 1070

## Unusual Fire & Explosion Hazards

No unusual fire or explosion hazards noted.

## Specific hazards

In case of fire, toxic gases may be formed.

### **5.3. Advice for firefighters**

#### Special Fire Fighting Procedures

Avoid breathing fire vapours. Keep up-wind to avoid fumes.

Protective equipment for fire-fighters

Wear self contained breathing apparatus.

## SECTION 6: ACCIDENTAL RELEASE MEASURES

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

Wear appropriate protective clothing. Follow precautions for safe handling described in this safety data sheet.

### **6.2. Environmental precautions**

Avoid discharge into drains, water courses or onto the ground.

### **6.3. Methods and material for containment and cleaning up**

Shovel into dry containers. Cover and move the containers. Flush the area with water. Wash thoroughly after dealing with a spillage.

### **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**

Avoid spilling, skin and eye contact. Observe good chemical hygiene practices.

### **7.2. Conditions for safe storage, including any incompatibilities**

Store in tightly closed original container in a dry, cool and well-ventilated place.

Storage Class

Unspecified storage.

### **7.3. 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**

Name	STD	TWA - 8 Hrs		STEL - 15 Min		Notes
DIOCTYL TIN DILAURATE	WEL		0.1 mg/m <sup>3</sup>		0.2 mg/m <sup>3</sup>	as Sn

WEL = Workplace Exposure Limit.

Ingredient Comments

No DNEL or PNEC values available.

### **8.2. Exposure controls**

Protective equipment



Engineering measures

No particular ventilation requirements.

Respiratory equipment

Not normally required.

Hand protection

Use suitable protective gloves if risk of skin contact.

# ARBOSIL 1070

Eye protection

Not generally required.

Hygiene measures

DO NOT SMOKE IN WORK AREA! Wash hands at the end of each work shift and before eating, smoking and using the toilet. Wash promptly if skin becomes contaminated. Promptly remove any clothing that becomes contaminated. When using do not eat, drink or smoke.

## SECTION 9: PHYSICAL AND CHEMICAL PROPERTIES

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

Appearance	Uncured -paste. Cured - rubber.
Colour	Misc. colours.
Odour	Slight odour.
Solubility	Insoluble in water
Initial boiling point and boiling range	Not applicable.
Relative density	1.18 - 1.195 @ 20°C
Vapour density (air=1)	Not applicable.
Vapour pressure	Not applicable.
Evaporation rate	Not applicable.
pH-Value, Conc. Solution	Not applicable.
Viscosity	5, 000 - 7, 000 Ps @ 20°C
Solubility Value (G/100G H <sub>2</sub> O@20°C)	Not applicable.
Odour Threshold, Lower	Not applicable.
Odour Threshold, Upper	Not applicable.
Flash point	Not applicable.
Auto Ignition Temperature (°C)	450 (as paste)
Flammability Limit - Lower(%)	Not applicable.
Flammability Limit - Upper(%)	Not applicable.
Partition Coefficient (N-Octanol/Water)	Not applicable.
Explosive properties	Not applicable.
Oxidising properties	Not applicable.

### 9.2. Other information

None.

## SECTION 10: STABILITY AND REACTIVITY

### 10.1. Reactivity

No specific reactivity hazards associated with this product.

### 10.2. Chemical stability

Stable under normal temperature conditions and recommended use.

### 10.3. Possibility of hazardous reactions

Not applicable.

Hazardous Polymerisation

Will not polymerise.

### 10.4. Conditions to avoid

Avoid excessive heat for prolonged periods of time.

### 10.5. Incompatible materials

Materials To Avoid

No specific, or groups of materials are likely to react to produce a hazardous situation.

### 10.6. Hazardous decomposition products

None under normal conditions. Thermal decomposition or combustion may liberate carbon oxides and other toxic gases or vapours.

## SECTION 11: TOXICOLOGICAL INFORMATION

### 11.1. Information on toxicological effects

Toxic Dose 1 - LD 50

Not determined

# ARBOSIL 1070

Toxic Dose 2 - LD 50                      Not determined  
Toxic Conc. - LC 50                      Not determined

## Toxicological information

The product has been assessed following the conventional method of the Dangerous Preparations Directive 1999/45/EC and classified for toxicological hazards accordingly.

### Acute toxicity:

Based on available data the classification criteria are not met.

### Skin Corrosion/Irritation:

Based on available data the classification criteria are not met.

### Serious eye damage/irritation:

Based on available data the classification criteria are not met.

### Respiratory or skin sensitisation:

Based on available data the classification criteria are not met.

### Germ cell mutagenicity:

Does not contain any substances known to be mutagenic.

### Carcinogenicity:

Does not contain any substances known to be carcinogenic.

### Reproductive Toxicity:

Based on available data the classification criteria are not met.

#### Inhalation

No specific health warnings noted.

#### Ingestion

No harmful effects expected in amounts likely to be ingested by accident.

#### Skin contact

Skin irritation is not anticipated when used normally.

#### Eye contact

May cause temporary eye irritation. Will not injure eye tissue.

## SECTION 12: ECOLOGICAL INFORMATION

### Ecotoxicity

Not regarded as dangerous for the environment. The product has been assessed following the conventional method of the Dangerous Preparations Directive 1999/45/ EC and classified for ecotoxicological hazards accordingly.

#### **12.1. Toxicity**

LC 50, 96 Hrs, Fish mg/l                      Not determined  
EC 50, 48 Hrs, Daphnia, mg/l                      Not determined  
IC 50, 72 Hrs, Algae, mg/l                      Not determined

#### **12.2. Persistence and degradability**

##### Degradability

Silicone content: biologically not degradable.

#### **12.3. Bioaccumulative potential**

##### Bioaccumulative potential

No data available on bioaccumulation.

Partition coefficient                      Not applicable.

#### **12.4. Mobility in soil**

##### Mobility:

The product is insoluble in water.

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

This product does not contain any PBT or vPvB substances.

**12.6. Other adverse effects**

None known.

**SECTION 13: DISPOSAL CONSIDERATIONS**

General information

When handling waste, consideration should be made to the safety precautions applying to handling of the product.

**13.1. Waste treatment methods**

Dispose of waste and residues in accordance with local authority requirements.

Waste Class

Recommended EWC Code 08 04 10

**SECTION 14: TRANSPORT INFORMATION**

General

The product is not covered by international regulation 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**

No information required.

**SECTION 15: REGULATORY INFORMATION****15.1. Safety, health and environmental regulations/legislation specific for the substance or mixture**

Uk Regulatory References

Chemicals (Hazard Information & Packaging) Regulations.

Statutory Instruments

Control of Substances Hazardous to Health.

Guidance Notes

Workplace Exposure Limits EH40.

EU Legislation

Dangerous Substance Directive 67/548/EEC. Dangerous Preparations Directive 1999/45/EC. Regulation (EC) 1907/2006 REACH. Regulation (EC) 1272/2008 CLP.

**15.2. Chemical Safety Assessment**

No chemical safety assessment has been carried out.

**SECTION 16: OTHER INFORMATION**

Revision Comments

General review New format as required by REACH Annex II

# ARBOSIL 1070

Revision Date	14/11/12
Supersedes date	27/10/05
SDS No.	10405
Risk Phrases In Full	
R10	Flammable.
R36/37/38	Irritating to eyes, respiratory system and skin.
R53	May cause long-term adverse effects in the aquatic environment.
NC	Not classified.
R63	Possible risk of harm to the unborn child.
R48/25	Toxic: danger of serious damage to health by prolonged exposure if swallowed.
Hazard Statements In Full	
H372	Causes damage to organs <<Organs>> through prolonged or repeated exposure.
H319	Causes serious eye irritation.
H315	Causes skin irritation.
H226	Flammable liquid and vapour.
H413	May cause long lasting harmful effects to aquatic life.
H335	May cause respiratory irritation.
H361d	Suspected of damaging the unborn child.

## Disclaimer

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 a 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.