



## SAFETY DATA SHEET ARBO GENERAL PURPOSE BUILDING SILICONE

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

#### 1.1. Product identifier

Product name ARBO GENERAL PURPOSE BUILDING SILICONE

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

Identified uses General purpose silicone sealant  
Uses advised against No specific uses advised against are identified.

#### 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  
Prolonged skin contact may cause redness and irritation.  
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

DISTILLATES (PETROLEUM), HYDROTREATED LIGHT; Kerosine - UNSPECIFIED		25 - 50%
CAS-No.: 64742-47-8	EC No.: 265-149-8	
Classification (EC 1272/2008) Asp. Tox. 1 - H304	Classification (67/548/EEC) Xn;R65	

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TRIACETOXYMETHYLSILANE	1 - < 2.5%
CAS-No.: 4253-34-3	EC No.: 224-221-9

Classification (EC 1272/2008) EUH014 Acute Tox. 4 - H302 Skin Corr. 1B - H314	Classification (67/548/EEC) Xn;R22. C;R34. R14.
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TRIACETOXYETHYLSILANE	1 - < 2.5%
CAS-No.: 17689-77-9	EC No.: 241-677-4

Classification (EC 1272/2008) EUH014 Acute Tox. 4 - H302 Skin Corr. 1B - H314	Classification (67/548/EEC) Xn;R22. C;R34. R14.
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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

#### 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 the exposed person to fresh air at once. Get medical attention if any discomfort continues.

#### Ingestion

Immediately rinse mouth and drink plenty of water. If person becomes uncomfortable or if ingested in large amounts (50-100 ml for an adult person): Take to hospital along with these instructions.

#### Skin contact

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

#### Eye contact

Make sure to remove any contact lenses from the eyes before rinsing. Promptly wash eyes with plenty of water while lifting the eye lids. 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 noted.

#### Ingestion

May cause stomach pain or vomiting.

#### 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

See Section 4.1

## SECTION 5: FIREFIGHTING MEASURES

### 5.1. Extinguishing media

#### 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

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Hazardous combustion products

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

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.

Protective equipment for fire-fighters

Wear self contained breathing apparatus.

## **SECTION 6: ACCIDENTAL RELEASE MEASURES**

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

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 spillages with sand, earth or any suitable adsorbent material.

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

Collect in 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**

Avoid spilling, skin and eye contact. Provide good ventilation. 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. Keep in original container.

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**

Ingredient Comments

No DNEL or PNEC values available.

### **8.2. Exposure controls**

Protective equipment



Engineering measures

Well-ventilated area.

Respiratory equipment

In case of inadequate ventilation use suitable respirator. Use of ABEK mask filter during prolonged exposure advised.

Hand protection

Use protective gloves made of: Viton rubber (fluor rubber). Gloves suitable for up to 60 minutes use.

Eye protection

Wear approved chemical safety goggles where eye exposure is reasonably probable.

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## Other Protection

Wear appropriate clothing to prevent repeated or prolonged skin contact.

## 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	Pungent.
Solubility	Practically insoluble
Initial boiling point and boiling range	Not applicable.
Melting point (°C)	Not applicable.
Relative density	0.97 @ 20°C
Vapour density (air=1)	Not applicable.
Vapour pressure	Not applicable.
Evaporation rate	Not applicable.
pH-Value, Conc. Solution	Product displays acidic reaction with water.
Viscosity	~8000 Ps @ 20°C
Solubility Value (G/100G H <sub>2</sub> O@20°C)	Hydrolytic decomposition occurs.
Decomposition temperature (°C)	>200
Odour Threshold, Lower	Acetic acid: 0.025 mg/m <sup>3</sup>
Odour Threshold, Upper	Acetic acid: 0.064 mg/m <sup>3</sup>
Flash point	Not applicable.
Auto Ignition Temperature (°C)	~ 400
Flammability Limit - Lower(%)	4 (acetic acid)
Flammability Limit - Upper(%)	17 (acetic acid)
Partition Coefficient (N-Octanol/Water)	Not applicable.
Explosive properties	Not applicable.
Oxidising properties	Does not meet the criteria for oxidising.

### 9.2. Other information

None.

## SECTION 10: STABILITY AND REACTIVITY

### 10.1. Reactivity

Vulcanises at room temperature on contact with moisture in the air.

### 10.2. Chemical stability

Stable under normal temperature conditions. Moisture curing process releases: a small amount of acetic acid

### 10.3. Possibility of hazardous reactions

Not known.

Hazardous Polymerisation

Will not polymerise.

### 10.4. Conditions to avoid

Avoid contact with: Water, moisture. Strong oxidising agents.

### 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

By hydrolysis: Acetic acid. Temperatures of ~ 150 C may generate: A small amount of formaldehyde, through oxidation. Thermal decomposition or combustion may liberate carbon oxides and other toxic gases or vapours.

## SECTION 11: TOXICOLOGICAL INFORMATION

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## 11.1. Information on toxicological effects

Toxic Dose 1 - LD 50

Distillates (petroleum), hydrotreated middle; kerosine - unspecified: > 5000 mg/kg (oral rat)

Toxic Dose 2 - LD 50 Distillates (petroleum), hydrotreated middle; kerosine - unspecified: 3160 mg/kg (dermal rbt)

Toxic Conc. - LC 50

Distillates (petroleum), hydrotreated middle; kerosine - unspecified: > 5266 mg/l/4h (inh-rat)

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:

Product of hydrolysis: In contact with moisture product generates a small amount of acetic acid which is irritating to skin and mucous membranes.

### Serious eye damage/irritation:

By analogy to a tested similar product. By eye contact: slight irritation possible.

### 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:

Does not contain any substances known to be toxic to reproduction.

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

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

Health Warnings

Moisture curing process releases a small amount of acetic acid which can irritate skin and mucous membranes.

## SECTION 12: ECOLOGICAL INFORMATION

Ecotoxicity

The product has been assessed following the conventional method of the Dangerous Preparations Directive 1999/45/ EC and classified for ecotoxicological hazards accordingly. In cross-linked state not soluble in water. Easily separable from water by filtration.

### 12.1. Toxicity

There are no data for the product.

LC 50, 96 Hrs, Fish mg/l Distillates (petroleum), hydrotreated middle; kerosine - unspecified: > 1 028 (Flatfish, flounder (Scophthalmus maximus))

EC 50, 48 Hrs, Daphnia, mg/l Not determined.

IC 50, 72 Hrs, Algae, mg/l Not determined.

### 12.2. Persistence and degradability

No data available for the product.

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Degradability

Distillates (petroleum) hydrotreated middle; kerosine - unspecified: 74% (28d) Expected to be readily biodegradable.

## **12.3. Bioaccumulative potential**

Bioaccumulative potential

No data available for the product.

Partition coefficient Not applicable.

## **12.4. Mobility in soil**

Mobility:

Not relevant, due to the form of the product.

## **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.

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 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.

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Guidance Notes

Workplace Exposure Limits EH40.

EU Legislation

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

Information Sources

Raw material suppliers SDS.

Revision Comments

Revised sections: 3, 11, 12,

Revision Date 08/05/13

Supersedes date 25/06/12

SDS No. 10253

Risk Phrases In Full

- R34 Causes burns.
- R22 Harmful if swallowed.
- R65 Harmful: may cause lung damage if swallowed.
- NC Not classified.
- R14 Reacts violently with water.

Hazard Statements In Full

- H314 Causes severe skin burns and eye damage.
- H302 Harmful if swallowed.
- H304 May be fatal if swallowed and enters airways.
- EUH014 Reacts violently with water.

#### 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.