

# SAFETY DATA SHEET

according to Regulation (EC) No. 1907/2006

Arc Heat Resistant Silicone

Version 1002      28/06/18



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

### 1.1 Product identifier

Trade name : Arc Heat Resistant Silicone

### 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

Company : Arc Building Products  
IDA Business & Technology Park  
Ballynattin  
Arklow  
Co. Wicklow  
Ireland

Telephone : +353 (0)402 32370

E-mail address : sales@arcbuildingproducts.ie

### 1.4 Emergency telephone number

Emergency telephone number : +353 (0)402 32370 (office hours only)

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## SECTION 2: Hazards identification

### 2.1 Classification of the substance or mixture

Type of product : Mixture

#### Classification (REGULATION (EC) No 1272/2008)

Not a hazardous substance or mixture according to Regulation (EC) No. 1272/2008.

### 2.2 Label elements

#### Labelling (REGULATION (EC) No 1272/2008)

Not a hazardous substance or mixture according to Regulation (EC) No. 1272/2008.

#### Additional Labelling:

EUH208      Contains 4,5-dichloro-2-octyl-2H-isothiazol-3-one. May produce an allergic reaction.

### 2.3 Other hazards

This substance/mixture contains no components considered to be either persistent, bioaccumulative and toxic (PBT), or very persistent and very bioaccumulative (vPvB) at levels of 0.1% or higher.

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## SECTION 3: Composition/information on ingredients

### 3.2 Mixtures

#### Hazardous components

| Chemical name<br>CAS-No.<br>EC-No.<br>Registration number                      | Classification<br>(REGULATION (EC)<br>No 1272/2008)                                                                                     | Concentration<br>[%]      |
|--------------------------------------------------------------------------------|-----------------------------------------------------------------------------------------------------------------------------------------|---------------------------|
| octamethylcyclotetrasiloxane<br>556-67-2<br>209-136-7<br>01-2119529238-36-XXXX | Flam. Liq.3; H226<br>Repr.2; H361f<br>Aquatic Chronic4;<br>H413                                                                         | $\geq 0,025$ - $< 0,25$   |
| 4,5-dichloro-2-octyl-2H-isothiazol-3-one<br>64359-81-5<br>264-843-8            | Acute Tox.4; H302<br>Acute Tox.2; H330<br>Skin Corr.1B; H314<br>Skin Sens.1A; H317<br>Aquatic Acute1; H400<br>Aquatic Chronic1;<br>H410 | $\geq 0,0025$ - $< 0,025$ |

For the full text of the H-Statements mentioned in this Section, see Section 16.

## SECTION 4: First aid measures

### 4.1 Description of first aid measures

- General advice : No hazards which require special first aid measures.
- If inhaled : Move to fresh air.
- In case of skin contact : Take off contaminated clothing and shoes immediately.  
Wash off with soap and plenty of water.
- In case of eye contact : Remove contact lenses.  
Keep eye wide open while rinsing.
- If swallowed : Do not induce vomiting without medical advice.  
Rinse mouth with water.  
Do not give milk or alcoholic beverages.  
Never give anything by mouth to an unconscious person.

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

- Symptoms : See Section 11 for more detailed information on health effects and symptoms.
- Risks : No known significant effects or hazards.

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

- Treatment : Treat symptomatically.

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## SECTION 5: Firefighting measures

### 5.1 Extinguishing media

Suitable extinguishing media : In case of fire, use water/water spray/water jet/carbon dioxide/sand/foam/alcohol resistant foam/chemical powder for extinction.

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

Hazardous combustion products : No hazardous combustion products are known

### 5.3 Advice for firefighters

Special protective equipment for firefighters : In the event of fire, wear self-contained breathing apparatus.

Further information : Standard procedure for chemical fires.

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## SECTION 6: Accidental release measures

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

Personal precautions : For personal protection see section 8.

### 6.2 Environmental precautions

Environmental precautions : No special environmental precautions required.

### 6.3 Methods and materials for containment and cleaning up

Methods for cleaning up : Wipe up with absorbent material (e.g. cloth, fleece).  
Keep in suitable, closed containers for disposal.

### 6.4 Reference to other sections

For personal protection see section 8.

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## SECTION 7: Handling and storage

### 7.1 Precautions for safe handling

Advice on safe handling : For personal protection see section 8. No special handling advice required. Follow standard hygiene measures when handling chemical products

Advice on protection against fire and explosion : Normal measures for preventive fire protection.

Hygiene measures : When using do not eat or drink. When using do not smoke.

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## 7.2 Conditions for safe storage, including any incompatibilities

- Requirements for storage areas and containers : Keep container tightly closed in a dry and well-ventilated place. Store in accordance with local regulations.
- Advice on common storage : No special restrictions on storage with other products.
- Other data : No decomposition if stored and applied as directed.

## 7.3 Specific end use(s)

- Specific use(s) : Consult most current local Product Data Sheet prior to any use.

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## SECTION 8: Exposure controls/personal protection

### 8.1 Control parameters

Contains no substances with occupational exposure limit values.

### 8.2 Exposure controls

#### Personal protective equipment

- Eye protection : Safety glasses
- Hand protection : Chemical-resistant, impervious gloves complying with an approved standard must be worn at all times when handling chemical products. Reference number EN 374. Follow manufacturer specifications.
- Butyl rubber/nitrile rubber gloves (0,4 mm),  
Recommended: Butyl rubber/nitrile rubber gloves.
- Skin and body protection : Protective clothing (e.g. Safety shoes acc. to EN ISO 20345, long-sleeved working clothing, long trousers). Rubber aprons and protective boots are additionally recommended for mixing and stirring work.
- Respiratory protection : No special measures required.

#### Environmental exposure controls

- General advice : No special environmental precautions required.

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## SECTION 9: Physical and chemical properties

### 9.1 Information on basic physical and chemical properties

|                                        |                                          |
|----------------------------------------|------------------------------------------|
| Appearance                             | : paste                                  |
| Colour                                 | : various                                |
| Odour                                  | : alcohol-like                           |
| Odour Threshold                        | : No data available                      |
| Flash point                            | : Not applicable                         |
| Autoignition temperature               | : No data available                      |
| Decomposition temperature              | : No data available                      |
| Lower explosion limit (Vol-%)          | : No data available                      |
| Upper explosion limit (Vol-%)          | : No data available                      |
| Flammability                           | : No data available                      |
| Explosive properties                   | : No data available                      |
| Oxidizing properties                   | : No data available                      |
| pH                                     | : No data available                      |
| Melting point/range / Freezing point   | : No data available                      |
| Boiling point/boiling range            | : No data available                      |
| Vapour pressure                        | : 0,01 hPa                               |
| Density                                | : ca. 1,03 g/cm <sup>3</sup><br>at 20 °C |
| Water solubility                       | : insoluble                              |
| Partition coefficient: n-octanol/water | : No data available                      |
| Viscosity, dynamic                     | : No data available                      |
| Viscosity, kinematic                   | : > 20,5 mm <sup>2</sup> /s<br>at 40 °C  |
| Relative vapour density                | : No data available                      |
| Evaporation rate                       | : No data available                      |

### 9.2 Other information

No data available

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## SECTION 10: Stability and reactivity

### 10.1 Reactivity

No dangerous reaction known under conditions of normal use.

### 10.2 Chemical stability

The product is chemically stable.

### 10.3 Possibility of hazardous reactions

Hazardous reactions : No hazards to be specially mentioned.

### 10.4 Conditions to avoid

Conditions to avoid : No data available

### 10.5 Incompatible materials

Materials to avoid : No data available

### 10.6 Hazardous decomposition products

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## SECTION 11: Toxicological information

### 11.1 Information on toxicological effects

#### Acute toxicity

Not classified based on available information.

#### Components:

##### **octamethylcyclotetrasiloxane:**

Acute inhalation toxicity : LC50 (Rat): 36 mg/l  
Exposure time: 4 h  
Test atmosphere: vapour

##### **4,5-dichloro-2-octyl-2H-isothiazol-3-one:**

Acute oral toxicity : LD50 Oral (Rat): 1.636 mg/kg

Acute inhalation toxicity : LC50 (Rat): 0,26 mg/l  
Exposure time: 4 h  
Test atmosphere: dust/mist

#### **Skin corrosion/irritation**

Not classified based on available information.

#### **Serious eye damage/eye irritation**

Not classified based on available information.

#### **Respiratory or skin sensitisation**

Skin sensitisation: Not classified based on available information.

Respiratory sensitisation: Not classified based on available information.

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## **Germ cell mutagenicity**

Not classified based on available information.

## **Carcinogenicity**

Not classified based on available information.

## **Reproductive toxicity**

Not classified based on available information.

## **STOT - single exposure**

Not classified based on available information.

## **STOT - repeated exposure**

Not classified based on available information.

## **Aspiration toxicity**

Not classified based on available information.

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## **SECTION 12: Ecological information**

### **12.1 Toxicity**

#### **Components:**

#### **4,5-dichloro-2-octyl-2H-isothiazol-3-one :**

Toxicity to fish : LC50: 0,0027 mg/l, 96 h, Fish

M-Factor (Acute aquatic toxicity) : 100

M-Factor (Chronic aquatic toxicity) : 10

### **12.2 Persistence and degradability**

No data available

### **12.3 Bioaccumulative potential**

No data available

### **12.4 Mobility in soil**

No data available

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

#### **Product:**

Assessment : This substance/mixture contains no components considered to be either persistent, bioaccumulative and toxic (PBT), or very persistent and very bioaccumulative (vPvB) at levels of 0.1% or higher.

### **12.6 Other adverse effects**

#### **Product:**

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Additional ecological information : There is no data available for this product.

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## SECTION 13: Disposal considerations

### 13.1 Waste treatment methods

Product : The generation of waste should be avoided or minimized wherever possible.  
Empty containers or liners may retain some product residues. This material and its container must be disposed of in a safe way.  
Dispose of surplus and non-recyclable products via a licensed waste disposal contractor.  
Disposal of this product, solutions and any by-products should at all times comply with the requirements of environmental protection and waste disposal legislation and any regional local authority requirements.  
Avoid dispersal of spilled material and runoff and contact with soil, waterways, drains and sewers.

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## SECTION 14: Transport information

### 14.1 UN number

Not regulated as a dangerous good

### 14.2 UN proper shipping name

Not regulated as a dangerous good

### 14.3 Transport hazard class(es)

Not regulated as a dangerous good

### 14.4 Packing group

Not regulated as a dangerous good

### 14.5 Environmental hazards

Not regulated as a dangerous good

### 14.6 Special precautions for user

No data available

### 14.7 Transport in bulk according to Annex II of Marpol and the IBC Code

Not applicable

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## SECTION 15: Regulatory information

### 15.1 Safety, health and environmental regulations/legislation specific for the substance or mixture

#### Prohibition/Restriction

REACH - Restrictions on the manufacture, placing on the market and use of certain dangerous substances, preparations and articles (Annex XVII) : Not applicable

REACH - Candidate List of Substances of Very High Concern for Authorisation (Article 59). : None of the components are listed (=> 0.1 %).

REACH - List of substances subject to authorisation (Annex XIV) : Not applicable

REACH Information: All substances contained in our Products are  
- preregistered or registered by our upstream suppliers, and/or  
- preregistered or registered by us, and/or  
- excluded from the regulation, and/or  
- exempted from the registration.

Seveso III: Directive 2012/18/EU of the European Parliament and of the Council on the control of major-accident hazards involving dangerous substances.  
Not applicable

VOC-CH (VOCV) : < 0,01 %  
no VOC duties

VOC-EU (solvent) : < 0,01 %

If other regulatory information applies that is not already provided elsewhere in the Safety Data Sheet, then it is described in this subsection.

Health, safety and environmental regulation/legislation specific for the substance or mixture: : Environmental Protection Act 1990 & Subsidiary Regulations  
Health and Safety at Work Act 1974 & Subsidiary Regulations  
Control of Substances Hazardous to Health Regulations (COSHH)  
May be subject to the Control of Major Accident Hazards Regulations (COMAH), and amendments.

### 15.2 Chemical safety assessment

No Chemical Safety Assment has been carried out for this mixture by the supplier.

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## SECTION 16: Other information

#### Full text of H-Statements

|      |                                          |
|------|------------------------------------------|
| H226 | Flammable liquid and vapour.             |
| H302 | Harmful if swallowed.                    |
| H314 | Causes severe skin burns and eye damage. |

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|       |                                                         |
|-------|---------------------------------------------------------|
| H317  | May cause an allergic skin reaction.                    |
| H330  | Fatal if inhaled.                                       |
| H361f | Suspected of damaging fertility.                        |
| H400  | Very toxic to aquatic life.                             |
| H410  | Very toxic to aquatic life with long lasting effects.   |
| H413  | May cause long lasting harmful effects to aquatic life. |

## Full text of other abbreviations

|                 |                                                                                                                                                                                                                                      |
|-----------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Acute Tox.      | Acute toxicity                                                                                                                                                                                                                       |
| Aquatic Acute   | Acute aquatic toxicity                                                                                                                                                                                                               |
| Aquatic Chronic | Chronic aquatic toxicity                                                                                                                                                                                                             |
| Flam. Liq.      | Flammable liquids                                                                                                                                                                                                                    |
| Repr.           | Reproductive toxicity                                                                                                                                                                                                                |
| Skin Corr.      | Skin corrosion                                                                                                                                                                                                                       |
| Skin Sens.      | Skin sensitisation                                                                                                                                                                                                                   |
| ADR             | Accord européen relatif au transport international des marchandises Dangereuses par Route                                                                                                                                            |
| CAS             | Chemical Abstracts Service                                                                                                                                                                                                           |
| DNEL            | Derived no-effect level                                                                                                                                                                                                              |
| EC50            | Half maximal effective concentration                                                                                                                                                                                                 |
| GHS             | Globally Harmonized System                                                                                                                                                                                                           |
| IATA            | International Air Transport Association                                                                                                                                                                                              |
| IMDG            | International Maritime Code for Dangerous Goods                                                                                                                                                                                      |
| LD50            | Median lethal dosis (the amount of a material, given all at once, which causes the death of 50% (one half) of a group of test animals)                                                                                               |
| LC50            | Median lethal concentration (concentrations of the chemical in air that kills 50% of the test animals during the observation period)                                                                                                 |
| MARPOL          | International Convention for the Prevention of Pollution from Ships, 1973 as modified by the Protocol of 1978                                                                                                                        |
| OEL             | Occupational Exposure Limit                                                                                                                                                                                                          |
| PBT             | Persistent, bioaccumulative and toxic                                                                                                                                                                                                |
| PNEC            | Predicted no effect concentration                                                                                                                                                                                                    |
| REACH           | Regulation (EC) No 1907/2006 of the European Parliament and of the Council of 18 December 2006 concerning the Registration, Evaluation, Authorisation and Restriction of Chemicals (REACH), establishing a European Chemicals Agency |
| SVHC            | Substances of Very High Concern                                                                                                                                                                                                      |
| vPvB            | Very persistent and very bioaccumulative                                                                                                                                                                                             |

The information contained in this Safety Data Sheet corresponds to our level of knowledge at the time of publication. All warranties are excluded. Our most current General Sales Conditions shall apply. Please consult the product data sheet prior to any use and processing.