

# SAFETY DATA SHEET

## Allcosil 200/1000

Date: 06/2019

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### 1 IDENTIFICATION OF SUBSTANCE

#### 1.1 Product Identifier:

Identification on the label/ Trade name: Allcosil 200/1000

#### 1.2 Relevant Identified uses of the substance and uses advised against:

##### 1.2.1 Identified uses:

Lubricant for industrial

##### 1.2.2 Uses advised against:

Not available

#### 1.3 Details of the Supplier of the material safety data sheet:

J. Allcock & Sons Ltd.,  
Textile Street,  
West Gorton,  
Manchester,  
M12 5DL.

Email: ja@allcocks.co.uk  
Tel: +44 (0)161 223 7181  
Fax: + 44 (0)161 223 0173

#### 1.4 Emergency telephone number:

+44 (0)161 223 7181

### 2 HAZARDS IDENTIFICATION

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

##### 2.1.1 Classification:

Classification according to directive 67/548/EEC OR 1999/45/EC:

This substance is not classified as dangerous according to regulation (EC) 1272/2008[GHS]

#### 2.2 Label Elements:

##### Hazard Pictograms:

Not applicable.

##### Signal Word(s):

Not applicable.

##### Hazard Statement:

Not applicable.

##### Precautionary statement:

Not applicable.

#### 2.3 Other hazards

Not available.

### 3 COMPOSITION / INFORMATION ON INGREDIENTS

#### 3.1 Substance/Mixture:

The product in question is a substance.

#### 3.2 Ingredients:

Chemical name	EC No	CAS No	REACH Registration No	Classification according to Regulation (EC) No. 1272/2008 [CLP]	Weight - %
Octamethylcyclotetrasiloxane	209-136-7	556-67-2	No data available	Flam. Liq. 3 (H226) Repr. 2 (H361f) Aquatic Chronic 4 (H413)	0.1 - 1
Dodecamethylcyclohexasiloxane	208-762-8	540-97-6	No data available	No data available	0.1 - 1
Decamethylcyclopentasiloxane	208-764-9	541-02-6	No data available	No data available	0.1 - 1

This product contains one or more candidate substance(s) of very high concern (Regulation (EC) No. 1907/2006 (REACH), Article 59).  
Octamethylcyclotetrasiloxane, Dodecamethylcyclohexasiloxane, Decamethylcyclopentasiloxane

### 4 FIRST-AID MEASURES

#### 4.1 Description of first aid measures:

**General advice:** When in doubt or if symptoms are observed, get medical advice

**Inhalation:** Remove to fresh air

**Skin contact:** Wash off immediately with soap and plenty of water while removing all contaminated clothes and shoes

**Eye contact:** If substance enters eyes, immediately rinse with plenty of water for several minutes

**Ingestion:** Clean mouth with water and drink afterwards plenty of water.

#### 4.2 Most important symptoms and effect, both acute and delayed:

Not applicable.

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**4.3 Indication of any immediate medical attention and special treatment needed:**  
Not applicable.

### 5 FIRE-FIGHTING MEASURES

**5.1 Extinguishing Media:**

5.1.1 Suitable extinguishing media:  
Carbon Dioxide (CO<sub>2</sub>). Extinguishing powder, alcohol resistant foam. Cool containers with flooding quantities of water until well after the fire is out.

5.1.2 Unsuitable extinguishing media:  
Do not use a solid water stream as it may scatter and spread fire.

**5.2 Specific Hazards arising from the substance or mixture:**

Thermal decomposition can lead to release of irritating and toxic gases and vapours: Carbon Monoxide (CO), Carbon Dioxide (CO<sub>2</sub>), Nitrogen Oxides (NO<sub>x</sub>), Silicone Dioxide (SiO<sub>2</sub>), Formaldehyde

**5.3 Advice for fire-fighters:**

In the event of fire and/or explosion do not breathe fumes. Use water spray jet to protect personnel and to cool endangered containers. Wear self-contained breathing apparatus and protective suit. Use personal protective equipment as required. Do not allow run-off from fire-fighting to enter drains or water courses

### 6 ACCIDENTAL RELEASE MEASURES

**6.1 Personal precautions, protective equipment and emergency procedures:**

Special danger of slipping by leaking/spilling product.

**6.2 Environmental precautions:**

Inform relevant authority.

**6.3 Methods of containment and cleaning up:**

Prevent further leakage or spillage if safe to do so. Soak up with inert absorbent material. Dampen up. Pick up and transfer to properly labelled containers. Clean contaminated surface thoroughly. Use personal protective equipment as required.

**6.4 Reference to other sections:**

See Section 7 for information on safe handling.  
See Section 8 for information on personal protection equipment.  
See Section 13 for information on disposal.

### 7 HANDLING AND STORAGE

**7.1 Precautions for safe handling:**

7.1.1 Protective measures:

Wear full protective clothing for prolonged exposure &/or high concentrations.

7.1.2 Advice on general occupational hygiene:

Maintain good standards of hygiene and work practices. When handling the material do not eat, drink or smoke. Wash hands before and after handling silicone.

**7.2 Conditions for safe storage, including any incompatibilities:**

Store in, tightly closed, original container; in dry, cool and well-ventilated place. Keep in original container.  
Storage class: 10

**7.3 Specific end use(s):**

**Risk Management Methods (RMM):** The information required is contained in this Safety Data Sheet

### 8 EXPOSURE CONTROLS / PERSONAL PROTECTION

**8.1 Control parameters:**

To date, no national critical values exist.

**8.2 Exposure controls:**

**Engineering controls:** Ensure adequate ventilation, especially in confined areas.

**Eye/face protection:** Wear safety glasses with side shields (or goggles)

**Hand protection:** Wear protective gloves. To protect the wearer, gloves must be the correct fit and be used properly. Ensure that the breakthrough time of the glove material is not exceeded. Refer to glove supplier for information on breakthrough time for specific gloves. Gloves must conform to standard EN374

**Skin and body protection:** Suitable protective clothing. For gloves see previous.

**Respiratory protection:** none under normal use conditions.

**8.3 Environmental exposure controls:**

Local authorities should be advised if significant spillages cannot be contained.

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### 9 PHYSICAL AND CHEMICAL PROPERTIES

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

Appearance:		Liquid
Physical state:		Clear
Colour:		Odourless
Odour:		Not applicable.
pH:		ca. -50
Melting point/range (°C):		>315
Boiling point/range (°C):	@ 760 mmHg	>120 Closed Cup, >300 Open Cup
Flash point (°C):		Not applicable.
Evaporation rate:		Not available.
Flammability (solid,gas):		Not available.
Ignition temperature (°C):		Not available.
Upper/lower flammability/explosive limits:		Not available.
Vapour pressure (hPa):	@ 20°C	<0.1
Vapour density:		Not applicable.
Relative Density (g cm <sup>-3</sup> ):	@ 20°C	0.974
Solubility:	@ 20°C	Insoluble in water
Auto-ignition temperature (°C):		Approx. 410
Decomposition temperature (°C):		> 250
Viscosity (mm <sup>2</sup> s <sup>-1</sup> , cSt):	@ 20°C	1000

#### 9.2 Other information:

Not available.

### 10 STABILITY AND REACTIVITY

#### 10.1 Reactivity:

Not available.

#### 10.2 Chemical stability:

Stable under normal temperature conditions.

#### 10.3 Possibility of hazardous reactions:

No specific hazardous decomposition products noted.

#### 10.4 Conditions to avoid:

Avoid excessive heat for prolonged periods of time.

#### 10.5 Incompatible materials:

Exothermic reaction with Oxidising agent, Strong acid and Strong Alkali

#### 10.6 Hazardous decomposition products:

Decomposition with: Carbon dioxide (CO<sub>2</sub>), Carbon monoxide, Nitrogen oxides (NO<sub>x</sub>). If this product is heated to > 150 °C, trace quantities of formaldehyde may be release, and adequate ventilation is required.

### 11 TOXICOLOGICAL INFORMATION

#### 11.1 Information on toxicological effects:

##### Acute toxicity:

Chemical name	Oral LD50	Dermal LD50	Inhalation LC50
Allcosil 200/1000	>15400 mg/kg (Rat)	> 2008 mg/kg (Rabbit)	
Octamethylcyclotetrasiloxane	= 1540 mg/kg (Rat)	= 794 µL/kg (Rabbit)	= 36 g/m <sup>3</sup> (Rat) 4h

##### Skin corrosion/irritation:

Not applicable.

##### Serious eye damage/irritation:

Not applicable.

##### Respiratory or skin sensitization:

Not applicable.

##### Germ cell mutagenicity:

Not applicable.

##### Carcinogenicity:

Not applicable.

##### Reproductive toxicity:

Not applicable.

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STOT- single exposure:

Not applicable.

STOT- repeated exposure:

Not applicable.

Aspiration hazard:

Not applicable.

## 12 ECOLOGICAL INFORMATION

### 12.1 Ecotoxicity:

Acute (short-term) algae toxicity	Acute (short term) aquatic invertebrate toxicity	Chronic (long term) fish toxicity
IC50: > 100000 mg/l (72h Skeletonema costatum)	EC50: > 200 mg/l (48h Daphnia magna) EC0: > 0.0001 mg/l (48h Daphnia magna)	NOEC: > 10000 mg/kg (672h Oncorhynchus mykiss)

### 12.2 Persistence and degradability:

Not readily biodegradable

### 12.3 Bioaccumulative potential:

No information available.

### 12.4 Mobility in soil:

After release, absorbs onto soil

### 12.5 Results of PBT and vPvB assessment

This substance is classified as PBT. This substance is classified as vPvB

### 12.6 Other adverse effects:

The evaluation was carried out according to the calculation method of the preparation directive.

## 13 DISPOSAL CONSIDERATIONS

### 13.1 Waste treatment methods:

Send to a hazardous waste incinerator facility under observation of official regulations.

### 13.2 Product/ Packaging disposal:

Clean IBCs or drums at approved facility only. Contaminated packages must be completely emptied and can be re-used following proper cleaning. Packing which cannot be properly cleaned must be disposed of. Handle contaminated packages in the same way as the substance itself.

## 14 TRANSPORT INFORMATION

### 14.1 UN-no:

No dangerous good in sense of this transport regulation.

### 14.2 Transport hazard class(es)

#### 14.2.1 RID/ADR:

Not subject to ADR/RID.

#### 14.2.2 IMDG:

Not subject to IMDG code.

#### 14.2.3 IATA/ICAO:

Not subject to IATA regulations.

## 15 REGULATORY INFORMATION

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

#### 15.1.1 Water hazard class (WGK):

Class: Slightly hazardous to water (WGK 1) **Storage Class: 10**

Take note of Directive 98/24/EC on the protection of the health and safety of workers from the risks related to chemical agents at work.

This product contains one or more candidate substance(s) of very high concern (Regulation (EC) No. 1907/2006 (REACH), Article 59). Octamethylcyclotetrasiloxane, Dodecamethylcyclohexasiloxane, Decamethylcyclopentasiloxane

### 15.2 Chemical safety assessment:

Chemical safety assessments for substances in this mixture were not carried out.

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## 16 OTHER INFORMATION

**Full text of H-Statements referred to under sections 2 and 3:**

H226 – Flammable liquid and vapour  
H361f – Suspected of damaging fertility  
H413 – May cause long lasting harmful effects to aquatic life

**Issued by:**

J. Allcock & Sons Ltd.

**SDS No.:**

WEB01

**Date:** 06/2019

For any further information please contact **J. Allcock & Sons Ltd.**

**DISCLAIMER:** All information and instructions provided in these Safe Handling Instructions (SHI) are based on the current state of scientific and technical knowledge at the date indicated on the present SHI. J. Allcock & Sons Ltd. shall not be held responsible for any defect in the product covered by this SHI, should the existence of such defect not be detectable considering the current state of scientific and technical knowledge. **Dated:06/2019**

