

## Safety Data Sheet

according to UK REACH Regulation

### Alphacool Core Wärmeleitpad Soft 6.2W/mk

Revision date: 19.01.2023

Product code: 160

Page 1 of 7

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

### 1.1. Product identifier

Alphacool Core Wärmeleitpad Soft 6.2W/mk

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

#### Use of the substance/mixture

Heat transferring agent

### 1.3. Details of the supplier of the safety data sheet

Company name: Alphacool International GmbH

Tochtergesellschaft

Street: Marienberger Str. 1

Place: D-38122 Braunschweig

Telephone: 0531 28874-0

Telefax: 0531 28874-22

e-mail: info@alphacool.com

Contact person: Ronald Willms

Telephone: 05207 95846-205

e-mail: einkauf@aquatuning.de

Internet: www.alphacool.com

### 1.4. Emergency telephone number:

+49 (0) 6131 19240

## SECTION 2: Hazards identification

### 2.1. Classification of the substance or mixture

#### GB CLP Regulation

This mixture is not classified as hazardous in accordance with GB CLP Regulation.

### 2.2. Label elements

### 2.3. Other hazards

No information available.

## SECTION 3: Composition/information on ingredients

### 3.2. Mixtures

#### Hazardous components

| CAS No     | Chemical name                                                    |          |          | Quantity |
|------------|------------------------------------------------------------------|----------|----------|----------|
|            | EC No                                                            | Index No | REACH No |          |
|            | Classification (GB CLP Regulation)                               |          |          |          |
| 1344-28-1  | Aluminium Oxide                                                  |          |          | 75-85 %  |
|            | 215-691-6                                                        |          |          |          |
| 68083-18-1 | Silikon (Polysiloxanes, di-Me, Me vinyl, vinyl group-terminated) |          |          | 15-25 %  |
|            | 614-273-4                                                        |          |          |          |

Full text of H and EUH statements: see section 16.

#### Specific Conc. Limits, M-factors and ATE

| CAS No    | EC No                                    | Chemical name   | Quantity |
|-----------|------------------------------------------|-----------------|----------|
|           | Specific Conc. Limits, M-factors and ATE |                 |          |
| 1344-28-1 | 215-691-6                                | Aluminium Oxide | 75-85 %  |
|           | oral: LD50 = >15900 mg/kg                |                 |          |

## Safety Data Sheet

according to UK REACH Regulation

### Alphacool Core Wärmeleitpad Soft 6.2W/mk

Revision date: 19.01.2023

Product code: 160

Page 2 of 7

## SECTION 4: First aid measures

### 4.1. Description of first aid measures

#### **After inhalation**

Provide fresh air. If experiencing respiratory symptoms: Get emergency medical help immediately.

#### **After contact with skin**

After contact with skin, wash immediately with plenty of water and soap.

#### **After contact with eyes**

Rinse immediately carefully and thoroughly with eye-bath or water. If skin irritation occurs: Get medical help.

#### **After ingestion**

Rinse mouth thoroughly with water. Get medical advice/attention if you feel unwell.

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

This article contains hazardous substances or mixtures intended to be released under normal or reasonably foreseeable conditions of use.

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

Treat symptomatically.

## SECTION 5: Firefighting measures

### 5.1. Extinguishing media

#### **Suitable extinguishing media**

Co-ordinate fire-fighting measures to the fire surroundings.

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

Non-flammable.

### 5.3. Advice for firefighters

In case of fire: Wear self-contained breathing apparatus.

#### **Additional information**

Collect contaminated fire extinguishing water separately. Do not allow entering drains or surface water.

## SECTION 6: Accidental release measures

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

#### **General advice**

Avoid dust formation. Do not breathe dust. Avoid contact with eyes and skin.

### 6.2. Environmental precautions

Do not allow to enter into surface water or drains.

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

#### **For cleaning up**

Take up mechanically. Treat the recovered material as prescribed in the section on waste disposal.

### 6.4. Reference to other sections

Safe handling: see section 7

Personal protection equipment: see section 8

Disposal: see section 13

## SECTION 7: Handling and storage

### 7.1. Precautions for safe handling

#### **Advice on safe handling**

Provide adequate ventilation. Avoid breathing dust/mist. Wear personal protection equipment (refer to section 8).

## Safety Data Sheet

according to UK REACH Regulation

### Alphacool Core Wärmeleitpad Soft 6.2W/mk

Revision date: 19.01.2023

Product code: 160

Page 3 of 7

#### Advice on protection against fire and explosion

No special fire protection measures are necessary.

#### Advice on general occupational hygiene

Wash hands before breaks and after work. When using do not eat, drink, smoke, sniff.

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

##### Requirements for storage rooms and vessels

Keep container tightly closed.

##### Hints on joint storage

No special measures are necessary.

#### 7.3. Specific end use(s)

Heat transferring agent

### SECTION 8: Exposure controls/personal protection

#### 8.1. Control parameters

##### Exposure limits (EH40)

| CAS No    | Substance                        | ppm | mg/m <sup>3</sup> | fibres/ml | Category  | Origin |
|-----------|----------------------------------|-----|-------------------|-----------|-----------|--------|
| 1344-28-1 | Aluminium oxides, inhalable dust | -   | 10                |           | TWA (8 h) | WEL    |

#### 8.2. Exposure controls

##### Individual protection measures, such as personal protective equipment

##### Eye/face protection

Wear eye/face protection.

##### Hand protection

Wear suitable gloves.

##### Skin protection

Use of protective clothing.

##### Respiratory protection

In case of inadequate ventilation wear respiratory protection.

### SECTION 9: Physical and chemical properties

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

|                 |         |
|-----------------|---------|
| Physical state: | solid   |
| Colour:         | blue    |
| Odour:          | neutral |

##### Changes in the physical state

Melting point/freezing point: not determined

Boiling point or initial boiling point and boiling range: not determined

Flash point: not applicable

##### Flammability

Solid/liquid: not determined

Gas: not applicable

##### Explosive properties

The product is not: Explosive.

Lower explosion limits: not determined

## Safety Data Sheet

according to UK REACH Regulation

### Alphacool Core Wärmeleitpad Soft 6.2W/mk

Revision date: 19.01.2023

Product code: 160

Page 4 of 7

|                            |                                                                                                  |
|----------------------------|--------------------------------------------------------------------------------------------------|
| Upper explosion limits:    | not determined                                                                                   |
| Auto-ignition temperature: | not determined                                                                                   |
| Decomposition temperature: | not determined                                                                                   |
| pH-Value:                  | not determined                                                                                   |
| Water solubility:          | The study does not need to be conducted because the substance is known to be insoluble in water. |

#### Solubility in other solvents

not determined

|                                        |                |
|----------------------------------------|----------------|
| Partition coefficient n-octanol/water: | not determined |
| Vapour pressure:                       | not determined |
| Density:                               | not determined |
| Relative density:                      | 3,1            |
| Relative vapour density:               | not determined |

#### 9.2. Other information

##### Information with regard to physical hazard classes

Oxidizing properties

The product is not: oxidising.

##### Other safety characteristics

|                   |                |
|-------------------|----------------|
| Solid content:    | not determined |
| Evaporation rate: | not determined |

##### Further Information

### SECTION 10: Stability and reactivity

#### 10.1. Reactivity

No hazardous reaction when handled and stored according to provisions.

#### 10.2. Chemical stability

The product is stable under storage at normal ambient temperatures.

#### 10.3. Possibility of hazardous reactions

No known hazardous reactions.

#### 10.4. Conditions to avoid

none

#### 10.5. Incompatible materials

Oxidising agent, strong

#### 10.6. Hazardous decomposition products

No known hazardous decomposition products.

### SECTION 11: Toxicological information

#### 11.1. Information on hazard classes as defined in GB CLP Regulation

##### Acute toxicity

Based on available data, the classification criteria are not met.

**Safety Data Sheet**

according to UK REACH Regulation

**Alphacool Core Wärmeleitpad Soft 6.2W/mk**

Revision date: 19.01.2023

Product code: 160

Page 5 of 7

| CAS No    | Chemical name   |                   |         |        |        |
|-----------|-----------------|-------------------|---------|--------|--------|
|           | Exposure route  | Dose              | Species | Source | Method |
| 1344-28-1 | Aluminium Oxide |                   |         |        |        |
|           | oral            | LD50 >15900 mg/kg | Rat     |        |        |

**Irritation and corrosivity**

Based on available data, the classification criteria are not met.

**Sensitising effects**

Based on available data, the classification criteria are not met.

**Carcinogenic/mutagenic/toxic effects for reproduction**

Based on available data, the classification criteria are not met.

**STOT-single exposure**

Based on available data, the classification criteria are not met.

**STOT-repeated exposure**

Based on available data, the classification criteria are not met.

**Aspiration hazard**

Based on available data, the classification criteria are not met.

**Further information**

The mixture is classified as not hazardous according to regulation (EC) No 1272/2008 [CLP].

**SECTION 12: Ecological information****12.1. Toxicity**

The product is not: Ecotoxic.

**12.2. Persistence and degradability**

The product has not been tested.

**12.3. Bioaccumulative potential**

The product has not been tested.

**BCF**

| CAS No    | Chemical name   | BCF       | Species | Source |
|-----------|-----------------|-----------|---------|--------|
| 1344-28-1 | Aluminium Oxide | 100-11000 |         |        |

**12.4. Mobility in soil**

The product has not been tested. The study does not need to be conducted because the substance is known to be insoluble in water.

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

The substances in the mixture do not meet the PBT/vPvB criteria according to UK REACH.

The product has not been tested.

**12.6. Endocrine disrupting properties**

This product does not contain a substance that has endocrine disrupting properties with respect to non-target organisms as no components meets the criteria.

**12.7. Other adverse effects**

No information available.

**Further information**

Do not allow to enter into surface water or drains. Do not allow to enter into soil/subsoil.

**SECTION 13: Disposal considerations****13.1. Waste treatment methods**

## Safety Data Sheet

according to UK REACH Regulation

### Alphacool Core Wärmeleitpad Soft 6.2W/mk

Revision date: 19.01.2023

Product code: 160

Page 6 of 7

#### Disposal recommendations

Do not allow to enter into surface water or drains. Do not allow to enter into soil/subsoil. Dispose of waste according to applicable legislation.

### SECTION 14: Transport information

#### Land transport (ADR/RID)

|                                          |                                                          |
|------------------------------------------|----------------------------------------------------------|
| <b>14.1. UN number or ID number:</b>     | No dangerous good in sense of this transport regulation. |
| <b>14.2. UN proper shipping name:</b>    | No dangerous good in sense of this transport regulation. |
| <b>14.3. Transport hazard class(es):</b> | No dangerous good in sense of this transport regulation. |
| <b>14.4. Packing group:</b>              | No dangerous good in sense of this transport regulation. |

#### 14.6. Special precautions for user

No dangerous good in sense of this transport regulation.

#### 14.7. Maritime transport in bulk according to IMO instruments

No dangerous good in sense of this transport regulation.

### SECTION 15: Regulatory information

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

##### EU regulatory information

Information according to 2012/18/EU (SEVESO III): Not subject to 2012/18/EU (SEVESO III)

##### National regulatory information

Water hazard class (D): 1 - slightly hazardous to water

#### 15.2. Chemical safety assessment

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

### SECTION 16: Other information

#### Abbreviations and acronyms

CLP: Classification, labelling and Packaging  
 REACH: Registration, Evaluation and Authorization of Chemicals  
 GHS: Globally Harmonised System of Classification, Labelling and Packaging of Chemicals  
 UN: United Nations  
 CAS: Chemical Abstracts Service  
 DNEL: Derived No Effect Level  
 DMEL: Derived Minimal Effect Level  
 PNEC: Predicted No Effect Concentration  
 ATE: Acute toxicity estimate  
 LC50: Lethal concentration, 50%  
 LD50: Lethal dose, 50%  
 LL50: Lethal loading, 50%  
 EL50: Effect loading, 50%  
 EC50: Effective Concentration 50%  
 ErC50: Effective Concentration 50%, growth rate  
 NOEC: No Observed Effect Concentration  
 BCF: Bio-concentration factor  
 PBT: persistent, bioaccumulative, toxic  
 vPvB: very persistent, very bioaccumulative  
 ADR: Accord européen sur le transport des marchandises dangereuses par Route  
 (European Agreement concerning the International Carriage of Dangerous Goods by Road)  
 RID: Regulations concerning the international carriage of dangerous goods by rail  
 MARPOL: International Convention for the Prevention of Marine Pollution from Ships

## Safety Data Sheet

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### Alphacool Core Wärmeleitpad Soft 6.2W/mk

Revision date: 19.01.2023

Product code: 160

Page 7 of 7

IBC: Intermediate Bulk Container

SVHC: Substance of Very High Concern

For abbreviations and acronyms, see: ECHA Guidance on information requirements and chemical safety assessment, chapter R.20 (Table of terms and abbreviations).

#### Further Information

The information is based on the present level of our knowledge. It does not, however, give assurance of product properties and establishes no contract legal rights. The receiver of our product is singularly responsible for adhering to existing laws and regulations.

*(The data for the hazardous ingredients were taken respectively from the last version of the sub-contractor's safety data sheet.)*