

**Safety Data Sheet**

according to 29 CFR 1910.1200(g)

**Alphacool Core double sided adhesive thermal pad**

Revision date: 06/22/2023

Product code: 169

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**1. Identification**

**Product identifier**

Alphacool Core double sided adhesive thermal pad

**Recommended use of the chemical and restrictions on use**

**Use of the substance/mixture**

Heat transferring agent

**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	

**Emergency phone number:** +49 (0) 6131 19240

**2. Hazard(s) identification**

**Classification of the chemical**

**29 CFR Part 1910.1200**

This mixture is not classified as hazardous in accordance with Regulation 29 CFR 1910.1200(d).

**Label elements**

**29 CFR Part 1910.1200**

**Precautionary statements**

If swallowed: Call a doctor if you feel unwell.  
 IF IN EYES: Immediately rinse with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.  
 Keep out of reach of children.

**Hazards not otherwise classified**

No information available.

**3. Composition/information on ingredients**

**Mixtures**

**Hazardous components**

CAS No	Components	Quantity
1344-28-1	Aluminium Oxide	50~70 %
9003-01-4	2-Propenoic acid, homopolymer	30~50 %

**4. First-aid measures**

**Description of first aid measures**

**After inhalation**

Provide fresh air. Get medical advice/attention if you feel unwell.

**After contact with skin**

Wash with plenty of water. If skin irritation or rash occurs: Get medical advice/attention.

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**After contact with eyes**

Rinse immediately carefully and thoroughly with eye-bath or water. If eye irritation persists: Get medical advice/attention.

**After ingestion**

Rinse mouth immediately and drink 1 glass of water. Get medical advice/attention if you feel unwell.

**Most important symptoms and effects, both acute and delayed**

No information available.

**Indication of any immediate medical attention and special treatment needed**

Treat symptomatically.

**5. Fire-fighting measures**

**Extinguishing media**

**Suitable extinguishing media**

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

**Specific hazards arising from the chemical**

Non-flammable.

**Special protective equipment and precautions for fire-fighters**

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

**Additional information**

Move undamaged containers from immediate hazard area if it can be done safely.

**6. Accidental release measures**

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

**General advice**

Avoid dust formation. Do not breathe dust.

**Environmental precautions**

No special environmental measures are necessary. Clean contaminated articles and floor according to the environmental legislation.

**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.

**Reference to other sections**

Safe handling: see section 7

Personal protection equipment (PPE): see section 8

Disposal: see section 13

**7. Handling and storage**

**Precautions for safe handling**

**Advice on safe handling**

No special measures are necessary.

**Advice on protection against fire and explosion**

No special fire protection measures are necessary.

**Advice on general occupational hygiene**

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

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

**Requirements for storage rooms and vessels**

Keep container tightly closed. Keep/Store only in original container. Store in a dry place.

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**Hints on joint storage**

No special measures are necessary.

**8. Exposure controls/personal protection**

Control parameters

**Exposure limits**

CAS No.	Substance	ppm	mg/m <sup>3</sup>	f/cc	Category	Origin
1344-28-1	alpha-Alumina Respirable fraction	-	5		TWA (8 h)	PEL

Exposure controls

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

**Eye/face protection**

Wear eye/face protection.

**Hand protection**

When handling with chemical substances, protective gloves must be worn with the CE-label including the four control digits. The quality of the protective gloves resistant to chemicals must be chosen as a function of the specific working place concentration and quantity of hazardous substances. For special purposes, it is recommended to check the resistance to chemicals of the protective gloves mentioned above together with the supplier of these gloves.

**Skin protection**

Use of protective clothing.

**Respiratory protection**

In case of inadequate ventilation wear respiratory protection.

**9. Physical and chemical properties**

Information on basic physical and chemical properties

Physical state: solid  
 Color: white  
 Odor: none/none  
 Odour threshold: not relevant

**Changes in the physical state**

Melting point/freezing point: not relevant  
 Boiling point or initial boiling point and boiling range: not relevant  
 Flash point: not relevant

**Flammability**

Solid/liquid: not relevant  
 Gas: not relevant

**Explosive properties**

The product is not: Explosive.

Lower explosion limits: not relevant  
 Upper explosion limits: not relevant  
 Auto-ignition temperature: not relevant  
 Decomposition temperature: not determined  
 pH-Value: not relevant  
 Water solubility: practically insoluble

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**Solubility in other solvents**

not determined

Partition coefficient n-octanol/water:

not determined

Vapor pressure:

not determined

Density:

1,2 g/cm<sup>3</sup>

Relative vapour density:

not determined

**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**

**10. Stability and reactivity**

**Reactivity**

No hazardous reaction when handled and stored according to provisions.

**Chemical stability**

The product is stable under storage at normal ambient temperatures.

**Possibility of hazardous reactions**

No known hazardous reactions.

**Conditions to avoid**

Incompatible materials

**Incompatible materials**

strong

**Hazardous decomposition products**

No known hazardous decomposition products.

**11. Toxicological information**

**Information on toxicological effects**

**Acute toxicity**

CAS No	Components				
	Exposure route	Dose	Species	Source	Method
1344-28-1	Aluminium Oxide				
	oral	LD50 >15900 mg/kg	Rat		
9003-01-4	2-Propenoic acid, homopolymer				
	oral	LD50 1500 mg/kg	Rat		
	dermal	LD50 >2000 mg/kg	Rabbit		
	inhalation vapour	LC50 >5,1 mg/l	Rat		

**Irritation and corrosivity**

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Prolonged or repeated contact with skin or mucous membrane result in irritation symptoms such as redness, blistering, dermatitis, etc.

Causes skin and eye irritation.

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

carbon black May cause cancer by inhalation.

**Further information**

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

**12. Ecological information**

**Ecotoxicity**

The product is not: Ecotoxic.

**Persistence and degradability**

The product has not been tested.

**Bioaccumulative potential**

The product has not been tested.

**Mobility in soil**

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

**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.

**Other adverse effects**

No information available.

**Further information**

Avoid release to the environment.

**13. Disposal considerations**

**Waste treatment methods**

**Disposal recommendations**

Dispose of waste according to applicable legislation.

**Contaminated packaging**

Wash with plenty of water. Completely emptied packages can be recycled.

**14. Transport information**

**Special precautions for user**

No dangerous good in sense of this transport regulation.

**Transport in bulk according to Annex II of MARPOL 73/78 and the IBC Code**

No dangerous good in sense of this transport regulation.

**15. Regulatory information**

**U.S. Regulations**

**National regulatory information**

SARA Section 311/312 Hazards:

2-Propenoic acid, homopolymer (9003-01-4): Immediate (acute) health hazard

SARA Section 313 Toxic release inventory:

Aluminum oxide (fibrous forms) (1344-28-1): De minimis limit = 1.0 %, Reportable threshold = Standard

**State Regulations**

**Safe Drinking Water and Toxic Enforcement Act of 1986 (Proposition 65, State of California)**

This product can not expose you to chemicals known to the State of California to cause cancer, birth defects or

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other reproductive harm.

All components are listed as active or are exempt from listing on the Toxic Substances Control Act (TSCA) inventory.

**16. Other information**

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Revision No: 1,0

**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

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).

**Other data**

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.)*