Safety Data Sheet

according to 29 CFR 1910.1200(g)

Alphacool Apex Wärmeleitpaste

1. Identification

Product identifier

Alphacool Apex Wärmeleitpaste

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:	+49 (0) 531 28874 - 0	Telefax:	+49 (0) 531 28874 - 22
E-mail:	info@alphacool.com		
Contact person:	Thomas Schäfer	Telephone:	0531 28874-0
E-mail:	+49 (0) 531 28874 - 0		
Internet:	www.alphacool.com		
Responsible Department:	Forschung & Entwicklung		

Emergency phone number: +49 (0) 6131 19240

2. Hazard(s) identification

Label elements

Hazards not otherwise classified

No information available.

3. Composition/information on ingredients

Mixtures

4. First-aid measures

Description of first aid measures

After inhalation

Provide fresh air.

After contact with skin

Wash with plenty of water. Take off contaminated clothing and wash it before reuse.

After contact with eyes

Rinse immediately carefully and thoroughly with eye-bath or water.

After ingestion

If accidentally swallowed rinse the mouth with plenty of water (only if the person is conscious) and obtain immediate medical attention.

Never give anything by mouth to an unconscious person or a person with cramps.

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

In case of fire:
Dry extinguishing powder,
Water spray,
Foam

Specific hazards arising from the chemical

none/none

Special protective equipment and precautions for fire-fighters

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

Additional information

In case of fire:
Collect contaminated fire extinguishing water separately. Do not allow entering drains or surface water.
Wear a self-contained breathing apparatus and chemical protective clothing.

6. Accidental release measures

Personal precautions, protective equipment and emergency procedures

General advice

Use personal protection equipment.
Avoid contact with eyes and skin.
Avoid breathing dust/fume/gas/mist/vapors/spray.

Environmental precautions

Do not allow to enter into surface water or drains.

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 . Collect in closed and suitable containers for 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

Provide adequate ventilation.
Avoid: Eye contact

Advice on protection against fire and explosion

No special fire protection measures are necessary.

Conditions for safe storage, including any incompatibilities

Requirements for storage rooms and vessels

Keep container tightly closed.
Recommended storage temperature : 5°C

Hints on joint storage

No special measures are necessary.

8. Exposure controls/personal protection

Control parameters

Additional advice on limit values

To date, no national critical limit values exist.

Exposure controls

Appropriate engineering controls

Protect from direct sunlight.

Protective and hygiene measures

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

Eye/face protection

No special measures are necessary.

Hand protection

No special measures are necessary.

Skin protection

No special measures are necessary.

Respiratory protection

No special measures are necessary.

9. Physical and chemical properties

Information on basic physical and chemical properties

Physical state:	Paste	
Color:	gray	
Odor:	odorless	
Odour threshold:	not determined	
pH-Value:		5-7
Changes in the physical state		
Melting point/freezing point:		not determined
Boiling point or initial boiling point and boiling range:		>200 °C
Sublimation point:		not determined
Softening point:		not determined
Pour point:		not determined
:		not determined
Flash point:		not applicable
Flammability		
Solid/liquid:		not determined not applicable
Explosive properties		
The product is not: Explosive.		
Lower explosion limits:		not determined
Upper explosion limits:		not determined
Auto-ignition temperature:		not determined
Self-ignition temperature		
Solid:		not determined
Gas:		not determined
Decomposition temperature:		not determined

Oxidizing properties

The product is not: oxidising.

Vapor pressure:	not determined
Vapor pressure:	not determined
Density:	3,48 g/cm³
Bulk density:	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
Viscosity / dynamic:	not determined
Viscosity / kinematic:	not determined
Flow time:	not determined
Relative vapour density:	not determined
Evaporation rate:	not determined
Solvent separation test:	not determined
Solvent content:	not determined

Other information

Solid content:	not determined

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

none/none

Incompatible materials

Strong acid, Strong alkali

Hazardous decomposition products

No known hazardous decomposition products.

11. Toxicological information

Information on toxicological effects

Carcinogenicity (OSHA):	No ingredient of this mixture is listed.
Carcinogenicity (IARC):	No ingredient of this mixture is listed.
Carcinogenicity (NTP):	No ingredient of this mixture is listed.

12. Ecological information

Ecotoxicity

Very toxic to aquatic life with long lasting effects.

Persistence and degradability

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

Bioaccumulative potential

No indication of bioaccumulation potential.

Mobility in soil

solid.

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

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.

13. Disposal considerations

Waste treatment methods

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. Recycle according to official regulations.

Contaminated packaging

Non-contaminated packages may be recycled. Handle contaminated packages in the same way as the substance itself.

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

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 other reproductive harm.

16. Other information

Changes

Revision date:	04/15/2024
Revision No:	2.1

This data sheet contains changes from the previous version in section(s): 9.

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 relevant ingredients were taken respectively from the last version of the sub-contractor's safety data sheet.)