

Alphacool Apex Thermal Putty X1

Revision date: 16.01.2026

Product code: 188

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SECTION 1: Identification of the substance/mixture and of the company/undertaking**1.1. Product identifier**

Alphacool Apex Thermal Putty X1

Substance name: Alphacool Apex Thermal Putty X1

1.2. Relevant identified uses of the substance or mixture and uses advised against**Use of the substance/mixture**

Wärmeleitmittel

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

1.4. Emergency telephone number:**SECTION 2: Hazards identification****2.1. Classification of the substance or mixture****GB CLP Regulation**

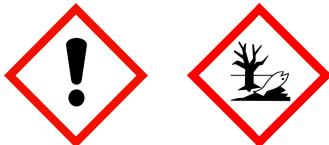
Eye Irrit. 2; H319
Aquatic Acute 1; H400
Aquatic Chronic 1; H410

Full text of hazard statements: see SECTION 16.

2.2. Label elements**GB CLP Regulation**

Signal word: Warning

Pictograms:

**Hazard statements**

H319 Causes serious eye irritation.
H410 Very toxic to aquatic life with long lasting effects.

Precautionary statements

P264	Wash Hände thoroughly after handling.
P273	Avoid release to the environment.
P280	Wear protective gloves/protective clothing/eye protection/face protection/hearing protection.
P305+P351+P338	IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.
P337+P313	If eye irritation persists: Get medical advice/attention.
P391	Collect spillage.

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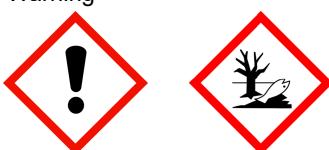
P501

Dispose of contents/container to sachgemäß Entsorgung.

Labelling of packages where the contents do not exceed 125 ml

Signal word: Warning

Pictograms:

**SECTION 3: Composition/information on ingredients****3.2. Mixtures****Relevant ingredients**

CAS No	Chemical name			Quantity
	EC No	Index No	REACH No	
	Classification (GB CLP Regulation)			
1314-13-2	zinc oxide			30 - < 35 %
	215-222-5	030-013-00-7		
	Aquatic Acute 1, Aquatic Chronic 1; H400 H410			
9006-65-9	Dimeticone			15 - < 20 %
	618-433-4			
	Eye Irrit. 2; H319			

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		
1314-13-2	215-222-5	zinc oxide	30 - < 35 %
	oral: LD50 = > 5000 mg/kg		

SECTION 4: First aid measures**4.1. Description of first aid measures****After contact with skin**

After contact with skin, first remove product with a dry cloth and then wash the skin with plenty of water.

After contact with eyes

In case of contact with eyes flush immediately with plenty of flowing water for 10 to 15 minutes holding eyelids apart and consult an ophthalmologist.

After ingestion

Rinse mouth thoroughly with water. Never give anything by mouth to an unconscious person or a person with cramps. Call a physician immediately.

SECTION 5: Firefighting measures**5.1. Extinguishing media****Suitable extinguishing media**

In case of fire: Use sand, earth, extinguishing powder or foam to extinguish.

Additional information

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

SECTION 6: Accidental release measures

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6.1. Personal precautions, protective equipment and emergency procedures**For non-emergency personnel**

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**

For cleaning up: Isopropyl alcohol

SECTION 7: Handling and storage**7.1. Precautions for safe handling****Advice on safe handling**

Use only outdoors or with adequate ventilation.

Hygiene measures

Avoid contact with eyes and skin.

7.2. Conditions for safe storage, including any incompatibilities**SECTION 8: Exposure controls/personal protection****8.1. Control parameters****Exposure limits (EH40)**

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

8.2. Exposure controls**SECTION 9: Physical and chemical properties****9.1. Information on basic physical and chemical properties**

Physical state: solid
Colour: white
Odour: neutral

Test method

Melting point/freezing point: n/a
Boiling point or initial boiling point and 250 °C
boiling range:
pH-Value: 5-7
Water solubility: OECD 105
Partition coefficient n-octanol/water: OECD 117
Density: 2,5 g/cm³

9.2. Other information**Information with regard to physical hazard classes**

Sustained combustibility: Sustained combustibility

SECTION 10: Stability and reactivity**10.5. Incompatible materials**

Acids and alkalis

SECTION 11: Toxicological information

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11.1. Information on hazard classes as defined in GB CLP Regulation**Acute toxicity**

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

ATEmix calculated

ATE (oral) > 2000 mg/kg; ATE (dermal) > 2000 mg/kg; ATE (inhalation vapour) > 20 mg/l; ATE (inhalation dust/mist) > 5 mg/l

CAS No	Chemical name				
	Exposure route	Dose	Species	Source	Method
1314-13-2	zinc oxide				
	oral	LD50 mg/kg	> 5000	Rat	IUCLID

Irritation and corrosivity

Serious eye damage/eye irritation: Causes serious eye irritation.

Skin corrosion/irritation: 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

Germ cell mutagenicity: Based on available data, the classification criteria are not met.

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

Reproductive toxicity: 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.

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

Very toxic to aquatic life.

Very toxic to aquatic life with long lasting effects.

12.5. Results of PBT and vPvB assessment

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

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.

SECTION 13: Disposal considerations**13.1. Waste treatment methods****SECTION 14: Transport information****SECTION 15: Regulatory information****15.1. Safety, health and environmental regulations/legislation specific for the substance or mixture****National regulatory information****SECTION 16: Other information**

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Abbreviations and acronyms

Eye Irrit: Eye irritation

Aquatic Acute: Acute aquatic hazard

Aquatic Chronic: Chronic aquatic hazard

Classification for mixtures and used evaluation method according to GB CLP Regulation

Classification	Classification procedure
Eye Irrit. 2; H319	Calculation method
Aquatic Acute 1; H400	Calculation method
Aquatic Chronic 1; H410	Calculation method

Relevant H and EUH statements (number and full text)

H319 Causes serious eye irritation.

H400 Very toxic to aquatic life.

H410 Very toxic to aquatic life with long lasting effects.

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