

Safety Data Sheet

according to Regulation (EC) No 1907/2006

Waermeleitpaste_Thermally conductive paste

Print date: 03.08.2012

Product code: 0404

Page 1 of 6

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

1.1. Product identifier

Waermeleitpaste_Thermally conductive paste

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

Use of the substance/mixture

Lubricant, lubricants and release products

Heat transfer agent

1.3. Details of the supplier of the safety data sheet

Company name:	Artur Gloeckler GmbH	
Street:	Poststr.6	
Place:	D-63796 Kahl am Main	
Telephone:	+49 6188 9174 0	Telefax: +49 6188 9174 20
e-mail:	info@gloeckler.com	
Contact person:	Mr Bernhard Schmitt	Telephone: +49 6188 9174 11
e-mail:	sdb@gloeckler.com	
Internet:	www.gloeckler.com	

1.4. Emergency telephone:

06188-917412

Contact times of emergency phone number: Mon - Fri 7am - 4 pm

SECTION 2: Hazards identification

2.1. Classification of the substance or mixture

Indications of danger : Dangerous for the environment

R-phrases:

Very toxic to aquatic organisms, may cause long-term adverse effects in the aquatic environment.

2.2. Label elements

Danger symbols: N - Dangerous for the environment



N - Dangerous for the environment

R phrases

50/53

Very toxic to aquatic organisms, may cause long-term adverse effects in the aquatic environment.

SECTION 3: Composition/information on ingredients

3.2. Mixtures

Waermeleitpaste_Thermally conductive paste

Print date: 03.08.2012

Product code: 0404

Page 2 of 6

Hazardous components

EC No	Chemical name	Quantity
CAS No	Classification	
Index No	GHS classification	
REACH No		
215-222-5	zinc oxide	
1314-13-2	N R50-53	55-70 %
030-013-00-7	Aquatic Acute 1, Aquatic Chronic 1; H400 H410	

Full text of R- and H-phrases: see section 16.

SECTION 4: First aid measures

4.1. Description of first aid measures

After inhalation

Provide fresh air.

After contact with skin

Remove mechanically (e.g. dab away using wadding or cellulose material) then thoroughly wash the affected skin with a mild cleanser and water. Change contaminated clothing.

After contact with eyes

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

In case of troubles or persistent symptoms, consult an ophthalmologist.

After ingestion

Rinse mouth thoroughly with water. Do not induce vomiting. Consult physician immediately.

SECTION 5: Firefighting measures

5.1. Extinguishing media

Suitable extinguishing media

Extinguishing powder. alcohol resistant foam. Carbon dioxide (CO₂). Atomized water.

Extinguishing media which must not be used for safety reasons

High power water jet.

5.2. Special hazards arising from the substance or mixture

Can be released in case of fire: Silicon dioxide. Formaldehyde. Carbon dioxide (CO₂). Carbon monoxide.

5.3. Advice for firefighters

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

SECTION 6: Accidental release measures

6.1. Personal precautions, protective equipment and emergency procedures

Protective clothing.

6.2. Environmental precautions

Do not empty into drains or the aquatic environment.

6.3. Methods and material for containment and cleaning up

Absorb with liquid-binding material (e.g. sand, diatomaceous earth, acid- or universal binding agents).

Treat the assimilated material according to the section on waste disposal.

6.4. Reference to other sections

High slip hazard because of leaking or spilled product.

SECTION 7: Handling and storage

Safety Data Sheet

according to Regulation (EC) No 1907/2006

Waermeleitpaste_Thermally conductive paste

Print date: 03.08.2012

Product code: 0404

Page 3 of 6

7.1. Precautions for safe handling

Advice on safe handling

No special technical protective measures are necessary. Observe precautionary measures for the handling of chemicals

Advice on protection against fire and explosion

Usual measures for fire prevention.

Further information on handling

Take precautionary measures against static discharges. Wear antistatic work clothing.

7.2. Conditions for safe storage, including any incompatibilities

Requirements for storage rooms and vessels

Keep container tightly closed. Keep/Store only in original container.
Protect against: heat. frost.

Advice on storage compatibility

Materials to avoid: Oxidizing agents.

Further information on storage conditions

Do not store together with: Food and fodder

SECTION 8: Exposure controls/personal protection

8.1. Control parameters

8.2. Exposure controls

Occupational exposure controls

Do not eat, drink, smoke or sneeze at the workplace.

Protective and hygiene measures

Change contaminated clothing. Wash hands before breaks and at the end of work. When using do not eat or drink.

Respiratory protection

With correct and proper use, and under normal conditions, breathing protection is not required.

Hand protection

Suitable material: NBR (Nitrile rubber). Breakthrough times and swelling characteristics of the material must be taken into consideration.

Eye protection

Tightly sealed safety glasses.

Skin protection

working clothes

Environmental exposure controls

Remove mechanically, placing in appropriate containers for disposal.

SECTION 9: Physical and chemical properties

9.1. Information on basic physical and chemical properties

Physical state:	Paste
Colour:	white - transparent
Odour:	odourless

Test method

pH-Value:	No data available
-----------	-------------------

Changes in the physical state

Melting point:	No data available
----------------	-------------------

Waermeleitpaste_Thermally conductive paste

Print date: 03.08.2012

Product code: 0404

Page 4 of 6

Boiling point: > 300 °C

Flash point: > 200 °C

Explosive properties

none/none

Vapour pressure: < 0,01 hPa
(at 20 °C)

Density (at 20 °C): ca. 2 g/cm³

Water solubility: insoluble

Solubility in other solvents

No data available

SECTION 10: Stability and reactivity

10.1. Reactivity

Material does not decompose at normal ambient temperatures.

10.2. Chemical stability

Material is stable under normal conditions.

10.3. Possibility of hazardous reactions

No risks worthy of mention.

10.4. Conditions to avoid

Protect against: heat. frost.

10.5. Incompatible materials

Oxidizing agents, strong.

10.6. Hazardous decomposition products

Material is stable under normal conditions.

SECTION 11: Toxicological information

11.1. Information on toxicological effects

Acute toxicity

Following eye contact: mild irritant. After eye contact obscuration of sight is possible due to oil film on the eyeball.

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

Irritation and corrosivity

Following eye contact: mild irritant. After eye contact obscuration of sight is possible due to oil film on the eyeball.

Sensitising effects

no danger of sensitization.

Carcinogenic/mutagenic/toxic effects for reproduction

No indications of human germ cell mutagenicity exist. Evidence exists for human carcinogenicity. No indications of human reproductive toxicity exist.

SECTION 12: Ecological information

Safety Data Sheet

according to Regulation (EC) No 1907/2006

Waermeleitpaste_Thermally conductive paste

Print date: 03.08.2012

Product code: 0404

Page 5 of 6

12.1. Toxicity

Very toxic to aquatic organisms, may cause long-term adverse effects in the aquatic environment.

12.2. Persistence and degradability

No data available

12.3. Bioaccumulative potential

No indication of bio-accumulation potential.

12.4. Mobility in soil

No data available

12.5. Results of PBT and vPvB assessment

The components in this formulation do not meet the criteria for classification as PBT or vPvB.

SECTION 13: Disposal considerations**13.1. Waste treatment methods****Advice on disposal**

Do not empty into drains or the aquatic environment. Waste disposal according to official state regulations. Can be burnt together with household waste in compliance with official regulations in contact with approved waste disposal companies and with authorities in charge.

SECTION 14: Transport information**Land transport (ADR/RID)****14.1. UN number:**

UN3082

14.2. UN proper shipping name:

ENVIRONMENTALLY HAZARDOUS SUBSTANCE, LIQUID, N.O.S. (zinc oxide)

14.3. Transport hazard class(es):

9

14.4. Packing group:

III

Hazard label:

9



Classification code:

M6

Limited quantity:

5 L

Transport category:

3

Hazard No:

90

Tunnel restriction code:

E

Other applicable information (land transport)

E1

Inland waterways transport**14.1. UN number:**

UN3082

14.2. UN proper shipping name:

ENVIRONMENTALLY HAZARDOUS SUBSTANCE, LIQUID, N.O.S. (zinc oxide)

14.3. Transport hazard class(es):

9

14.4. Packing group:

III

Hazard label:

9



Safety Data Sheet

according to Regulation (EC) No 1907/2006

Waermeleitpaste_Thermally conductive paste

Print date: 03.08.2012

Product code: 0404

Page 6 of 6

Classification code: M6

Limited quantity: 5 L

Other applicable information (inland waterways transport)

E1

Marine transport

14.1. UN number: UN3082

14.2. UN proper shipping name: ENVIRONMENTALLY HAZARDOUS SUBSTANCE, LIQUID, N.O.S. (zinc oxide)

14.3. Transport hazard class(es): 9

14.4. Packing group: III

Hazard label: 9



Marine pollutant: P

Limited quantity: 5 L

EmS: F-A, S-F

Other applicable information (marine transport)

E1

14.5. Environmental hazards

Dangerous for the environment: yes



SECTION 15: Regulatory information

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

National regulatory information

Water contaminating class (D): 2 - water contaminating

SECTION 16: Other information

Changes

Revision date: 2010-03-16

Safety Data Sheet according to Regulation (EC) No. 1907/2006 (REACH)

Full text of R-phrases referred to under sections 2 and 3

- 50 Very toxic to aquatic organisms.
- 50/53 Very toxic to aquatic organisms, may cause long-term adverse effects in the aquatic environment.
- 53 May cause long-term adverse effects in the aquatic environment.

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

- H400 Very toxic to aquatic life.
- H410 Very toxic to aquatic life with long lasting effects.

Further Information

The information is based on present level of our knowledge. It does not, however, give assurances 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.)