



**Material Safety Data Sheet  
According to 2001/58/EC**

Printed on: 2004-02-16

Reviewed on: 2004-02-16

Page: 1/5

1 Identification of substance/preparation and company

- Product data
- Commercial name: ZGT couplant
- Manufacturer/Supplier:  
GE Inspection Technologies Systems GmbH  
Robert-Bosch-Str. 3  
D-50354 Hürth  
Tel.: +49-2233-601-0 (exchange) Fax: +49-2233-601-402
- Information provided by:  
GE Inspection Technologies Systems GmbH  
Department P-Lab  
Tel.: +49-2233-601-472 Fax: +49-2233-601-402
- Advice service in case of emergency: +49-2233-601-472 or +49-2233-601-0 (tel. exchange)

2 Composition/information on ingredients

- Chemical characterization: silicone oil-based lubricating grease.  
CAS no. identification not applicable
- according to §3 ChemG (law on chemicals): preparation

3 Potential hazards

- Hazard identification:  
No particular hazards are known provided that normal safety precautions regarding handling of mineral oil products and chemical products as well as the notes on handling (item 7) and on personal protective equipment (item 8) are observed.
- Special danger notes for persons and environment: not applicable
- Classification system:  
The classification and identification were based on the knowledge of substance or preparation properties and Annex I No. 1 of the GefStoffV (Dangerous Substances Directive).

4 First-aid measures

- General notes:  
Change any grease-soaked clothing. Never put any rags containing lubricating grease into the pockets of your clothing.  
Change any product-soaked or contaminated clothes and shoes.  
Never put any rags containing the product into the pockets of your clothing.



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Page: 2/5

Commercial name: ZGT couplant

- after inhalation:  
Supply fresh air, or if any physical complaints occur, call a doctor.  
(may apply to inhalation of vapors from an overheated product)
- after skin contact:  
Wash with water and soap. The product does not generally cause any skin irritations.
- after eye contact:  
Irrigate the eyes with flowing fresh water for several minutes, holding the eyelids apart.
- after ingestion:  
If symptoms persist, seek medical advice.

5 Fire-fighting measures

- Suitable extinguishing agents:  
CO<sub>2</sub>, extinguishing powder or water spray. A large-scale fire should be fought using water spray or alcohol-resistant foam.  
Fire-fighting measures must be suited to the environmental conditions.
- Inadequate extinguishing agent for safety reasons: full water jet.
- Special protective equipment:  
During fire-fighting operations: breathing apparatus independent of ambient air.

6 Measures with accidental release:

- Personal precautions: Not required.
- Environmental protection measures: No special measures required.
- Method for cleaning/collecting:  
The collected material must be disposed of according to local regulations.
- Additional notes: No release of dangerous substances.

7 Handling and storage

- Handling:
- Notes on safe handling: No special measures required.
- Notes on fire and explosion protection:  
No special measures required.
- Storage:
- Requirements regarding store rooms and storage tanks: No special requirements.
- Notes on centralized storage of substances: Store separately from foodstuffs.
- Other information concerning storage conditions: none

8 Exposure limits and personal protective equipment

- Additional notes on the design of technical installations:  
No other data, please refer to item 7.
- Constituents with workplace-related limit values to be monitored:
- Additional notes:  
The lists valid at the time of creation were taken as a basis.
- Personal protective equipment:



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Page: 3/5

Commercial name: ZGT couplant

- General protective and sanitary measures:  
The normal precautions when handling mineral oil products or chemicals must always be taken into account.  
Avoid prolonged and intensive skin contact.  
Preventive skin protection by barrier cream.  
Do not carry any product-soaked cleaning rags in your pant pockets.
- Respiratory protection: not required.
- Hand protection: not required.
- Eye protection: not required.
- Skin protection: protective clothes.

9 Physical and chemical properties

- Form: paste
- Colour: whitish
- Odour: characteristic
- Value/Range Unit Method
- Constitutional change
- Pour point/melting point/melting range: Not defined
- Boiling point/boiling range: not defined
- Flash point: Not applicable
- Decomposition temperature: Not defined.
- Explosion hazard: Non explosive.
- Density: at 20°C 1.02 g/cm3
- Solubility in / miscibility with insoluble in water
- Viscosity or consistency class: NLGI: 1-2

10 Stability and reactivity

- Thermal decomposition / conditions to be avoided:  
No decomposition with intended use.
- Dangerous reactions: No dangerous reactions known.
- Hazardous decomposition products:  
No hazardous decomposition products known.

11 Toxicological information

- Acute toxicity:
- Primary effect of irritation:
- on the skin: No irritant effect known.
- on the eye: No irritant effect known.
- Sensitization: No sensitizing effect known.

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Page: 4/5

**Commercial name: ZGT couplant**

- Additional toxicological notes:  
With proper handling and intended use, the product causes no adverse health effects in our experience and according to existing information.  
The substance is not subject to identifying marking provisions laid down in the latest version of the EC lists.

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**12 Ecological information**

- General notes:  
Water hazard class 1 (self-classification according to VCI draft): low water hazard  
Do not allow to enter groundwater, water courses or drains.

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**13 Notes on disposal**

- Product:
- Recommendation:  
Even fairly small quantities should be disposed of according to local regulations.  
Waste oil categories and forbidden mixings should be observed when storing used mineral oil products.  
Deliver recyclings, waste material and waste oil only to officially authorized waste disposal companies!
- Uncleaned packings:
- Recommendations:  
Contaminated packings must be fully emptied, after which they can be cleaned accordingly and re-used.  
Small expendable packings must be disposed of as stipulated by the law.

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**14 Transport information**

- Road and rail transport ADR/RID and GGVS/GGVE (international/domestic):
- ADR/RID-GGVS/E class:
- Sea transport IMDG/GGVSea:
- IMDG/GGVSea class:
- Air transport ICAO-TI and IATA-DGR:
- ICAO/IATA class:
- Transport/other information:  
No hazardous material according to the hazardous goods/transport regulations.

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**15 Regulatory information**

- Identifying marking according to the EEC directives:  
The substance is not subject to identifying marking according to the EC lists or other literature known to us.  
The normal precautions with the handling of mineral oil products or chemicals must be observed.  
The product is not subject to identifying marking according to the EC directives/GefStoffV.
- National regulations:



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Page: 5/5

Commercial name: ZGT couplant

- Water hazard class:  
WGK 1 (self-classification according to VCI draft): low water hazard.

16 Other information:

All ingredients and constituents are included in the European lists of substances and are allowed to be marketed within the EC. All data are based on our current knowledge. They are meant to describe the technical aspects of the product's safety, however, they are not to be considered as a guarantee of the product's (e.g. application) properties and do not create any legal contractual relationship.

The present data sheet is a safety data sheet according to §14 GefStoffV (Dangerous Substances Directive)..

With products which are not subject to identifying marking the data sheet is issued on voluntary basis. It is produced by EDP-based means according to TRGS 220 and does not carry a signature.

- Data sheet issued by:  
GE Inspection Technologies Systems GmbH  
Department P-Lab
- Contact person: Dr. Splitt
- Validity:  
Upon issuance of the present safety data sheet all previous ones for this product become null and void.