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

### 1.1. Product identifier

**Name of product** Anti-Eis-Öl / Deicing oil

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

#### Identified uses

##### Product categories [PC]

PC4 - Anti-freeze and de-icing products

### 1.3. Details of the supplier of the safety data sheet

#### Manufacturer/distributor

TPH Bausysteme GmbH  
Nordportbogen 8, D-22848 Norderstedt  
Phone +49 (0)40 / 52 90 66 78-0, Fax +49 (0)40 / 52 90 66  
78-78  
E-Mail [info@tph-bausysteme.com](mailto:info@tph-bausysteme.com)  
Internet [www.tph-bausysteme.com](http://www.tph-bausysteme.com)

#### Advice

E-mail (competent person):  
[sdb-info@tph-bausysteme.com](mailto:sdb-info@tph-bausysteme.com)

### 1.4. Emergency telephone number

#### Emergency advice

GIZ-Nord  
Phone +49 (0)551 / 19240

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## SECTION 2: Hazards identification

### 2.1. Classification of the substance or mixture

#### Classification according to Regulation (EC) No 1272/2008 [CLP/GHS]

##### Additional hints

This mixture is not classified as hazardous according to Regulation (EC) 1272/2008 [GHS].

### 2.2. Label elements

#### Labelling according to Regulation (EC) No 1272/2008 [CLP/GHS]

No information available.

### 2.3. Other hazards

#### Results of PBT and vPvB assessment

No data available

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## SECTION 3: Composition/ information on ingredients

### 3.1. Substances

not applicable

### 3.2. Mixtures

**Description**  
Deicing oil for injection pumps

## **SECTION 4: First aid measures**

### **4.1. Description of first aid measures**

#### **General information**

Remove contaminated soaked clothing immediately.  
In case of allergic reactions, specially at respiratory tract, seek medical treatment immediately.

#### **In case of inhalation**

Remove the casualty into fresh air and keep him immobile.  
In the event of symptoms refer for medical treatment.

#### **In case of skin contact**

In case of contact with skin wash off with soap and water.  
Remove contaminated clothing immediately, even underwear and shoes.  
Consult a doctor if skin irritation persists.

#### **In case of eye contact**

In case of contact with eyes rinse with plenty of water carefully. In the event of persistent symptoms seek medical treatment.

#### **In case of ingestion**

Do not induce vomiting.  
Refer to medical treatment.  
Give water to drink in small sips.  
Rinse out mouth thoroughly with water.

### **4.2. Most important symptoms and effects, both acute and delayed**

#### **Physician's information / possible symptoms**

Nausea

### **4.3. Indication of any immediate medical attention and special treatment needed**

#### **Treatment (Advice to doctor)**

Treat symptoms.

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## **SECTION 5: Firefighting measures**

### **5.1. Extinguishing media**

#### **Suitable extinguishing media**

Foam  
Dry powder  
Carbon dioxide  
Water spray jet

#### **Unsuitable extinguishing media**

Strong water jet

### **5.2. Special hazards arising from the substance or mixture**

In the event of fire the following can be released:

Carbon monoxide (CO)  
Carbon dioxide (CO<sub>2</sub>)

### 5.3. Advice for firefighters

#### **Special protective equipment for fire-fighters**

Use breathing apparatus with independent air supply.  
Do not inhale explosion and/or combustion gases.

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## SECTION 6: Accidental release measures

### 6.1. Personal precautions, protective equipment and emergency procedures

#### **For non-emergency personnel**

Ensure adequate ventilation.  
Keep people away and stay on the upwind side.  
Use personal protective clothing.  
High risk of slipping due to leakage/spillage of product.

#### **For emergency responders**

Use breathing apparatus if exposed to vapours/dust/aerosol.  
High risk of slipping due to leakage/spillage of product.

### 6.2. Environmental precautions

Do not discharge into the drains/surface waters/groundwater.

### 6.3. Methods and material for containment and cleaning up

Take up with absorbent material.  
Do not take up with sawdust or other combustible materials.

### 6.4. Reference to other sections

No information available.

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## SECTION 7: Handling and storage

### 7.1. Precautions for safe handling

#### **Advice on safe handling**

No special measures necessary if used correctly.  
Take the usual precautions when handling with chemicals.

#### **General protective measures**

No special measures required.

#### **Hygiene measures**

At work do not eat, drink and smoke.  
Remove soiled or soaked clothing immediately.  
Keep away from food and drink.  
Wash hands and skin before breaks and after work.

#### **Advice on protection against fire and explosion**

No special measures necessary.

### 7.2. Conditions for safe storage, including any incompatibilities

#### **Requirements for storage rooms and vessels**

Keep in closed original container.

#### **Advice on storage compatibility**

Store and transport separate of food.

#### **Further information on storage conditions**

Store container at cool and aired place.

**Storage group** 10

**7.3. Specific end use(s)**

No information available.

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## SECTION 8: Exposure controls/personal protection

**8.1. Control parameters**

No information available.

**8.2. Exposure controls**

**Respiratory protection**

If ventilation insufficient, wear respiratory protection.

**Hand protection**

Synthetic rubber gloves

**Eye protection**

tightly fitting goggles

**Other protection measures**

protective clothing

**Thermal hazards**

No data available

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## SECTION 9: Physical and chemical properties

**9.1. Information on basic physical and chemical properties**

<b>Appearance</b>	<b>Colour</b>	<b>Odour</b>
liquid	red	like mineral oil

**Odour threshold**

not determined

**Important health, safety and environmental information**

	Value	Temperature	at	Method	Remark
<b>pH value</b>	not applicable				
<b>Acid number</b>	not applicable				
<b>starts to boil</b>	> 280 °C				
<b>pourpoint</b>	-24 °C			DIN/ISO 3016	
<b>Flash point</b>	225 °C			ISO 2592	
<b>Vapourisation rate</b>	No data available				
<b>Flammable (solid)</b>	No data available				
<b>Flammability (gas)</b>	No data available				

	Value	Temperature	at	Method	Remark
<b>Ignition temperature</b>	No data available				
<b>Self ignition temperature</b>	no				
<b>Lower explosion limit</b>	1 Vol-%				
<b>Upper explosion limit</b>	10 Vol-%				
<b>Vapour pressure</b>	< 0,5 Pa	20 °C			
<b>Relative density</b>	0,8 - 0,9 g/cm <sup>3</sup>	20 °C			
<b>Bulk density</b>	not applicable				
<b>Vapour density</b>	> 1				
<b>Solubility in water</b>					more or less insoluble
<b>Solubility/other</b>				No data available	
<b>Partition coefficient n-octanol/water (log P O/W)</b>	> 6	20 °C			
<b>Decomposition temperature</b>	> 320 °C				
<b>Viscosity dynamic</b>	ca. 100 - 150 mPa*s	20 °C		DIN EN ISO 2555	
<b>Solvent separation test</b>	No data available				
<b>Solvent content</b>	0 %				
<b>Water content</b>	not determined				
<b>Solids content</b>	not applicable				
<b>Combustion value</b>	not applicable				
<b>Oxidising properties</b>					
	no				
<b>Explosive properties</b>					
	No data available				
<b>9.2. Other information</b>					
	no				

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## SECTION 10: Stability and reactivity

### 10.1. Reactivity

No information available.

### 10.2. Chemical stability

No information available.

### 10.3. Possibility of hazardous reactions

Reactions with strong oxidising agents.

### 10.4. Conditions to avoid

None, if handled according to order.

### 10.5. Incompatible materials

#### Substances to avoid

Reactions with strong oxidising agents.

### 10.6. Hazardous decomposition products

No dangerous composition products during appropriate storage and handling.

### Thermal decomposition

Remark No decomposition if used as directed.

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## SECTION 11: Toxicological information

### 11.1. Information on toxicological effects

#### Acute toxicity/Irritation/Sensitization

	Value/Validation	Species	Method	Remark
<b>LD50 acute oral</b>	> 5000 mg/kg	rat		
<b>LD50 acute dermal</b>	> 5000 mg/kg	rabbit		
<b>LC50 acute inhalation</b>	No data available			
<b>Skin irritation</b>	low irritant effect	rabbit		
<b>Eye irritation</b>	low irritant	rabbit eye		
<b>Skin sensitization</b>	non-sensitizing	Guinea pig	OECD 406	
<b>Sensitization respiratory system</b>		No data available		

#### Subacute Toxicity - Carcinogenicity

	Value	Species	Method	Validation
<b>Subacute Toxicity</b>	No data available			
<b>Subchronic Toxicity</b>	No data available			
<b>Chronic Toxicity</b>	No data available			
<b>Mutagenicity</b>				not mutagenic
<b>Reproduction-Toxicity</b>				No indications of toxic effects were observed in reproduction studies in animals.
<b>Carcinogenicity</b>				No indications of carcinogenic effects are available from long-term trials.

**Specific target organ toxicity (single exposure)**

No indications of critical properties.

**Specific target organ toxicity (repeated exposure)**

No indications of critical properties.

**Aspiration hazard**

No data available

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

	Value	Species	Method	Validation
<b>Fish</b>	IL50 > 100 mg/l			
<b>Daphnia</b>	IL50 > 100 mg/l			
<b>Algae</b>	IL50 > 100 mg/l			
<b>Bacteria</b>	No data available			

**12.2. Persistence and degradability**

	Elimination rate	Method of analysis	Method	Validation
<b>Physico-chemical degradability</b>	No data available			
<b>Biological degradability</b>				not readily degradable
<b>Degradability</b>	No data available			
<b>Biological eliminability</b>	No data available			

	Elimination rate	Method of analysis	Method	Validation
<b>Degradability according to WRMG</b>	No data available			

**12.3. Bioaccumulative potential**

The product has not been tested. Because of the product's consistency and low solubility in water bioavailability is not likely.

**12.4. Mobility in soil**

No information available.

**12.5. Results of PBT and vPvB assessment**

No data available

**12.6. Other adverse effects**

No data available

**Behaviour in sewage plant**

No information available.

**Respiration inhibition of activated sludge**

	Value	Method	Remark
<b>EC 50</b>	No data available		

**Additional ecological information**

	Value	Method	Remark
<b>OC</b>	No data available		
<b>COD</b>	No data available		
<b>BOD</b>	No data available		
<b>AOX</b>	No data available		

**Contains following heavy metals and compounds of the 76/464/EWG**

no

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**SECTION 13: Disposal considerations**
**13.1. Waste treatment methods**

<b>Waste code No.</b>	<b>Name of waste</b>
13 02 05*	mineral-based non-chlorinated engine, gear and lubricating oils

Wastes marked with an asterisk are considered to be hazardous waste pursuant to Directive 2008/98/EC on hazardous waste.

**Recommendations for the product**

Remove in accordance with local official regulations.

**Recommendations for packaging**

Contaminated packaging should be emptied as far as possible and after appropriate cleansing may be taken for reuse.

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## SECTION 14: Transport information

	ADR/RID	IMDG	IATA-DGR
<b>14.1. UN number</b>	-	-	-
<b>14.2. UN proper shipping name</b>	-	-	-
<b>14.3. Transport hazard class(es)</b>	-	-	-
<b>14.4. Packing group</b>	-	-	-
<b>14.5. Environmental hazards</b>	-	-	-

**14.6. Special precautions for user**

No information available.

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

No information available.

**Land and inland navigation transport ADR/RID**

No dangerous goods as defined by these transport regulations.

**Marine transport IMDG**

No dangerous goods as defined by these transport regulations.

**Air transport ICAO/IATA-DGR**

No dangerous goods as defined by these transport regulations.

**Transport/further information**

No dangerous goods as defined by the transport regulations - ADR/RID, IMDG, ICAO/IATA-DGR.

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## SECTION 15: Regulatory information

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

**Water hazard class** 1 self-classification

**15.2. Chemical Safety Assessment**

No information available.

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## SECTION 16: Other information

**Recommended uses and restrictions**

National and local regulations concerning chemicals shall be observed.

**Further information**

The information contained herein is based on the state of our knowledge. It characterizes the product with regard to the appropriate safety precautions. It does not represent a guarantee of the properties of the product.

Indication of changes: "!" = Data changed compared with the previous version. Previous version: 1.2