

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

**1.1. Product identifier**

Name of product Trennöl / Separation oil

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

**Identified uses**

**Product categories [PC]**

PC24 - Lubricants, greases, release 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  
Internet www.tph-bausysteme.com

**Advice**

E-mail (competent person):  
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**

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**Description**

Separation oil for seal gaskets

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**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**

No information available.

**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**

no

**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>)

Sulfur oxide

### **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.

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**Storage group** 10

**7.3. Specific end use(s)**  
No information available.

## 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

## SECTION 9: Physical and chemical properties

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

<b>Appearance</b> liquid	<b>Colour</b> yellowish	<b>Odour</b> odourless
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**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>boiling point</b>	300 - 400 °C		1013 hPa		
<b>melting point</b>	No data available				
<b>Flash point</b>	> 210 °C			DIN 51376	
<b>Vapourisation rate</b>	not determined				
<b>Flammable (solid)</b>	not applicable				
<b>Flammability (gas)</b>	not applicable				

	Value	Temperature	at	Method	Remark
<b>Ignition temperature</b>	No data available				
<b>Self ignition temperature</b>	no				
<b>Lower explosion limit</b>	no				
<b>Upper explosion limit</b>	no				
<b>Vapour pressure</b>	< 0,0001 hPa	20 °C			
<b>Relative density</b>	ca. 1,055 g/cm <sup>3</sup>	20 °C			
<b>Bulk density</b>	not applicable				
<b>Vapour density</b>	not determined				
<b>Solubility in water</b>	0,0022 g/l				
<b>Solubility/other</b>					No data available
<b>Partition coefficient n-octanol/water (log P O/W)</b>	5,7 - 11,3	20 °C		OECD 117	
<b>Decomposition temperature</b>	> 300 °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				
<b>9.2. Other information</b>	no				

## SECTION 10: Stability and reactivity

### 10.1. Reactivity

No hazardous reactions known.

### 10.2. Chemical stability

No information available.

### 10.3. Possibility of hazardous reactions

No hazardous reactions known.

### 10.4. Conditions to avoid

no

### 10.5. Incompatible materials

#### Substances to avoid

None, if handled according to order.

### 10.6. Hazardous decomposition products

No dangerous composition products during appropriate storage and handling.

### Thermal decomposition

Remark No decomposition if used as directed.

## SECTION 11: Toxicological information

### 11.1. Information on toxicological effects

#### Acute toxicity/Irritation/Sensitization

	Value/Validation	Species	Method	Remark
<b>LD50 acute oral</b>	> 15900 mg/kg	rat (male)		
<b>LD50 acute dermal</b>	> 5000 mg/kg	rat		
<b>LC50 acute inhalation</b>	No data available			
<b>Skin irritation</b>	non-irritant	rabbit		
<b>Eye irritation</b>	non-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>				No mutagenity, after different in-vitro studies.
<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.
<b>Specific target organ toxicity (single exposure)</b>	No indications of critical properties.			
<b>Specific target organ toxicity (repeated exposure)</b>	No indications of critical properties.			
<b>Aspiration hazard</b>	No data available			

## SECTION 12: Ecological information

### 12.1. Toxicity

#### Ecotoxicological effects

	Value	Species	Method	Validation
<b>Fish</b>	LC0 > 2 mg/l (96 h)	zebra fish		
<b>Daphnia</b>	EC0 > 100 mg/l (48 h)	Daphnia magna		
<b>Algae</b>	IC0 > 2 mg/l (72 h)	Desmodesmus subspicatus		
<b>Bacteria</b>	EC50 > 10000 mg/l (3 h)	activated sludge (ind.)	OECD 209	

### 12.2. Persistence and degradability

	Elimination rate	Method of analysis	Method	Validation
<b>Physico-chemical degradability</b>	No data available			
<b>Biological degradability</b>	61 % (47 d)			
<b>Degradability</b>	No data available			

	Elimination rate	Method of analysis	Method	Validation
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**Biological eliminability** No data available

**Degradability according to WRMG** 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**

When low concentrations are discharged correctly into adapted biological sewage treatment plants, interference with the degradation activity of activated sludge is not likely.

**Respiration inhibition of activated sludge**

	Value	Method	Remark
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**EC 50** No data available

**Additional ecological information**

	Value	Method	Remark
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**OC** No data available

**COD** No data available

**BOD** No data available

**AOX** The product contains organically bound halogen in accordance with the formulation. It can contribute to the adsorbable organic halogen value in the effluent from sewage treatment plants.

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

no

**SECTION 13: Disposal considerations**

**13.1. Waste treatment methods**

**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.



**SECTION 14: Transport information**

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

**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.

**SECTION 15: Regulatory information**

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

**National regulations**

**Water hazard class** 1 KBWS-classification

**15.2. Chemical Safety Assessment**

No information available.

**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