



**AERZEN**

## PRODUKTDATENBLATT

### Delta Lube 06

Sachnummer: 178132000

Seite 1

Version 1, Stand: 20.12.2006


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*Die Angaben dieses Produktdatenblattes basieren auf unseren allgemeinen Erfahrungen und Kenntnissen bei Drucklegung. Die Aerzener Maschinenfabrik GmbH behält sich das Recht vor, alle technischen Daten in dieser Druckschrift jederzeit und ohne Vorankündigung zu ändern.*

**Beschreibung:**

Kompressorenöl zur Schmierung von luftverdichtenden Schraubenkompressoren.

Bezeichnung	Einheit	Wert
<b>Allgemeine Beschreibung</b>		
Farbe		farblos-hellblau
<b>Chemische-physikalische Daten</b>		
Dichte, DIN 51757, 20°C	g/cm <sup>3</sup>	ca. 0,92
Schaumtest, ASTM-D 892 Sequenz I/24°C	ml	<= 50
Schaumtest, ASTM-D 892 Sequenz II/93,5°C	ml	<= 50
Schaumtest, ASTM-D 892, Sequenz III, bei 24°C aus der Probe, Sequenz II	ml	50
Demulgiervermögen, DIN ISO 6614, bei 54°C	min	43/37/3
Flammpunkt, DIN EN ISO 2592, Cleveland, offener Tiegel	°C	>= 248
Wassergehalt DIN 51777 T01, Karl Fischer	%	<= 0,04
<b>Viskosität</b>		
Kinematische Viskosität, DIN 51562 T01,40°C, unterer Grenzwert	mm <sup>2</sup> /s	48
Kinematische Viskosität, DIN 51562 T01,40°C, oberer Grenzwert	mm <sup>2</sup> /s	55
Kinematische Viskosität, DIN 51562 T01,100°C	mm <sup>2</sup> /s	ca. 7,5
Viskositätsindex, DIN ISO 2909	VI	>= 90
<b>Korrosionsschutz</b>		
Korrosionswirkung auf Kupfer, DIN EN ISO 2160, 3h/100°C	Korrosionsgrad	1 – 100
<b>Tiefemperaturverhalten</b>		
Pourpoint, DIN ISO 3016,	°C	<= -39

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# PRODUCT DATA SHEET

## Delta Lube 06

Part number: 178132000

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Version 1, status: 20.12.2006

*ATTENTION! Prints are not subject to modification service.*

*The data stated in this product data sheet are based on our general experiences and knowledge about pressure design. Aerzener Maschinenfabrik GmbH reserves the right to modify all technical data of this data sheet without notice at any time.*

**Description:**

Compressor oil for lubrication of air-compressing screw compressors.

<u>Definition</u>	<u>Unit</u>	<u>Value</u>
<b>General description</b>		
Colour		colourless-light blue
<b>Chemical and physical data</b>		
Density, DIN 51757, 20°C	g/cm <sup>3</sup>	ca. 0,92
Foam test, ASTM-D 892 Sequence I/24°C	ml	<= 50
Foam test, ASTM-D 892 Sequence II/93,5°C	ml	<= 50
Foam test, ASTM-D 892, Sequence III, bei 24°C from the sample, Sequence II	ml	50
Demulsibility, DIN ISO 6614, bei 54°C	min	43/37/3
Flashing point, DIN EN ISO 2592, Cleveland, open cup	°C	>= 248
Water content DIN 51777 T01, Karl Fischer	%	<= 0,04
<b>Viscosity</b>		
Kinematic viscosity, DIN 51562 T01,40°C, lower Limit value	mm <sup>2</sup> /s	48
Kinematic viscosity, DIN 51562 T01,40°C, upper Limit value	mm <sup>2</sup> /s	55
Kinematic viscosity, DIN 51562 T01,100°C	mm <sup>2</sup> /s	ca. 7,5
Viscosity index, DIN ISO 2909	VI	>= 90
<b>Corrosion protection</b>		
Corrosivity on copper, DIN EN ISO 2160, 3h/100°C	Co rrosion category	1 – 100
<b>Low temperature performance</b>		
Pourpoint, DIN ISO 3016,	°C	<= -39

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## 1 Definition of the material /the preparation and the company

- **Product details**
- **Definition of Aerzener Maschinenfabrik GmbH: Delta Lube 06**
- **Part Number: 178132000**
- **Application of the substance / the preparation** lubricant
- **Supplier:**  
Aerzener Maschinenfabrik GmbH  
Reherweg 28  
31855 Aerzen  
Tel.: 0049 (0) 5154 81-0  
Fax: 0049 (0) 5154 81-191  
E-Mail: [info@aerzener.de](mailto:info@aerzener.de)  
Internet: [www.aerzener.com](http://www.aerzener.com)

## 2 Potential hazards

- **Hazard definition:** not applicable.
- **Specific hazard notes for man and environment:**  
The product is not subject to mandatory labelling due to the calculation method of the "General Classification guideline for preparations of the EU" in the latest valid version.
- **Classification system:**  
The classification complies with the current EG-lists added by information coming from technical literature and company statements.

## 3 Composition / Information on ingredients

- **Chemical characterisation**
- **Description:**  
Synthetic hydrocarbon-oil  
Ester oil
- **Hazardous ingredients:** not applicable
- **Additional notes:**  
You will find the precise wording of the stated hazard warnings in chapter 16.

## 4 First-Aid measures

- **After inhalation:** Fresh air supply, in case of complaints consult a doctor.
- **After skin contact:** Rinse contaminated skin with soap and plenty of water.
- **After eye contact:**  
With opened eyelid rinse the eye thoroughly for several minutes. In case of persistent complaints consult a doctor.
- **After ingestion:** In case of persistent complaints consult a doctor.

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**5 Measures for fire-fighting**

- **Appropriate solvents:**  
Fog  
Foam  
Dry powder  
Carbon dioxide
- **Extinguishing agents unsuitable for safety reasons:** Water in a full jet.
- **Special exposure hazards arising from the substance itself, combustion products or resulting gases:**  
A fire can liberate:  
Carbon monoxide (CO)  
Hydrocarbon
- **Special protective equipment:**  
Do not inhale explosion and conflagration gases.  
Usual measures for fires with chemicals.
- **Further information**  
Cool endangered container with water spray jet.  
Fire residues and contaminated fire water have to be disposed according to the requirements of the authorities.

**6 Measures to be taken in case of accidental release**

- **Personal precautions:**  
Special slip danger caused by spilled product.
- **Environmental protection measures:**  
Do not empty into drains / surface water / ground water.
- **Method for cleaning / including :**  
Clean with fluid absorbent components (sand, diatomite, acid binder, universal adsorbent, saw dust  
Dispose the absorbed components as prescribed.

**7 Handling and storage**

- **Handling:**
- **Notes for safe handling:** Avoid formation of aerosol.
- **Notes for fire and explosion protection:** Special measures not necessary.
- **Storage:**
- **Requirements for storage space and container:**  
Dry and cool storage in well sealed containers.
- **Notes on storage alongside other materials:**  
Store apart from food.  
Store apart from oxidizers.
- **Further information to the storage conditions:** None.
- **Storage classe according to VCI :** 10
- Classification according to the German regulations on health and safety at work (**BetrSichV**): -

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### 8 Limitation and control of exposure / personal protective equipment

- **Additional information on the design of technical plants:**  
No further information, see point 7.
- **Components with limit values which have to be controlled with regard to workplace hazards:**  
The product does not contain relevant quantities of substances which have to be controlled in view of workplace hazards.
- **Additional notes:** The lists valid at the time of elaboration are the basis for this data safety sheet.

**AM-designation: Delta Lube 06**

- **Personal protective equipment:**
- **General protection- and hygiene measures:**  
Do not breathe in gases/steam/aerosols.  
Take off dirty, impregnated clothes immediately.  
Avoid longer and intensive contact with skin.  
Provide for thorough cleaning of skin after work and before breaks.
- **Hand guard:** Preventive hand guard by using skin protection is recommended.
- **Eye protection:** Upon filling safety glasses recommendable.

### 9 Physical and chemical properties

- **General data**  
**Type:** Liquid  
**Colour:** Uncoloured  
**Smell:** Specific to product
- **Change in state**  
**Pourpoint -°C (DIN ISO 3016)**
- **Flashing point:** > 100°C (DIN ISO 2592)
- **Danger of explosion:** The product is not explosive.
- **Density 20°C:** ~ 0,92 g/cm<sup>3</sup> (DIN 51757)
- **Dissolubility in / miscibility with**  
**Water:** Indissoluble.
- **Viscosity:**  
**Cinematic 40°C:** ~ 50 mm<sup>2</sup>/s (DIN 51562)

### 10 Stability and reactivity


- **Thermal decomposition / conditions to be avoided:**  
No decomposition in case of storage and handling acc. to regulations.
- **Materials to be avoided:** Oxidants
- **Dangerous reactions:** Dangerous reactions are not known.
- **Dangerous decomposition products:** None in case of handling acc. to regulations.

### 11 Toxicological data

- **Additional toxicological notes:**  
Long-lasting contact with the skin can cause skin irritations and/or dermatitis.

### 12 Data specific to environment

- **Ecotoxic effects:**
- **Behaviour in sewage plants:** The product can be separated mechanically.
- **General notes:**  
Pay attention to that the Delta Lube does not reach the ground water, waters or the canalization.  
Class hazardous to water 1 (self grading); slightly hazardous to water

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**13 Notes for disposal**

- **Product:**
- **Recommendation:** Can be burned on consideration of the official local instructions.

**AM-designation:** Delta Lube 06

- **Waste code no.:**  
For this product a waste code no. cannot be fixed acc. to european waste register (EAK), as at first the purpose of use only allows an allocation by the consumer.  
The waste code no. is to be fixed in agreement with the regional waste disposal contractor.
- **Uncleaned packings:**
- **Recommendation:**  
Contaminated packings are to be discharged optimally, they can then be led to a re-use after corresponding cleaning.

**14 Details for transport**


- **Land transport ADR/RID and GGVS/GGVE (cross-border/domestic):**
- **ADR/RID-GGVS/E class:** -
- **Seagoing vessel transport IMDG/GGVsea:**
- **IMDG/GGVsea-class:** -
- **Air transport ICAO-TI and IATA-DGR:**
- **ICAO/IATA-class:** -
- **Transport/further details:** No hazardous goods acc. to above regulations.

**15 Details for statutory provisions**

- **Identification acc. to EC-guidelines:**  
The product is unbinding to designation due to the method of calculation of the „General grading guideline for preparations of the EC” in the last current version.
- **National instructions:**
- **Classification acc. to operating safety regulation:** -
- **Water hazard class:**  
In general not hazardous to waters.  
Acc. to VwVwS 17.5.99 enclosure 4

**16 Other details**

The details are based on the today's state of our knowledge, however they do not show an assurance of product properties and do not justify a contractual legal relationship.

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