

**Safety Data Sheet**

according to Regulation (EC) No 1907/2006

**Boge 3000 plus**

Revision date: 01.01.2023

Product code: 5990-

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**SECTION 1: Identification of the substance/mixture and of the company/undertaking****1.1. Product identifier**

Boge 3000 plus

**1.2. Relevant identified uses of the substance or mixture and uses advised against****1.3. Details of the supplier of the safety data sheet**

Company name:	BOGE KOMPRESSOREN		
	Otto Boge GmbH & Co. KG		
Street:	Otto-Boge-Straße 1-7		
Place:	33739 Bielefeld		
Telephone:	+49 5206 601-0	Telefax: +49 5206 601-200	
e-mail:	info@boge.com		
Internet:	www.boge.com		

**1.4. Emergency telephone number:** Emergency telephone number (24h) + 44 1235 239670 (en)**Further Information**

Reserved for industrial and professional use.

**SECTION 2: Hazards identification****2.1. Classification of the substance or mixture****Regulation (EC) No 1272/2008**

This mixture is not classified as hazardous in accordance with Regulation (EC) No 1272/2008.

The preparation is not dangerous in the sense of Directive 1999/45/EC.

**2.2. Label elements****Additional advice on labelling**

Contains Alkarylcarbonsäurederivate (Alkarylcarboxylic acid derivatives). May produce an allergic reaction.

**2.3. Other hazards**

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

**SECTION 3: Composition/information on ingredients****3.2. Mixtures****Hazardous components**

CAS No	Chemical name			Quantity
	EC No	Index No	REACH No	
	Classification (Regulation (EC) No 1272/2008)			
	Highly refined, low viscosity mineral oils/hydrocarbons (Viscosity >7 - <20.5 cSt @40°C)			86-90 %
	Asp. Tox. 1; H304 EUH066			

Full text of H and EUH statements: see section 16.

**Specific Conc. Limits, M-factors and ATE**

CAS No	EC No	Chemical name	Quantity
		Specific Conc. Limits, M-factors and ATE	
		Highly refined, low viscosity mineral oils/hydrocarbons (Viscosity >7 - <20.5 cSt @40°C)	86-90 %
	inhalation: Data lacking (gases); dermal: LD50 = >2000 mg/kg; oral: LD50 = >2000 mg/kg		

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**Further Information**

umfasst eine oder mehrere der folgenden CAS-Nummern (REACH-Registrierungsnummern): 64742-53-6 (01-2119480375-34), 64742-54-7 (01-2119484627-25), 64742-55-8 (01-2119487077-29), 64742-56-9 (01-2119480132-48), 64742-65-0 (01-2119471299-27), 68037-01-4 (01-2119486452-34), 72623-86-0 (01-2119474878-16), 72623-87-1 (01-2119474889-13), 8042-47-5 (01-2119487078-27), 848301-69-9 (01-0000020163-82).

**SECTION 4: First aid measures****4.1. Description of first aid measures****General information**

Seek medical attention if problems persist. No administration in cases of unconsciousness or cramps. First aider: Pay attention to self-protection!

**After contact with eyes**

In case of contact with eyes, rinse immediately with plenty of flowing water for 10 to 15 minutes holding eyelids apart. Consult an ophthalmologist.

**After ingestion**

Do NOT induce vomiting.

**SECTION 5: Firefighting measures****5.1. Extinguishing media****Suitable extinguishing media**

Co-ordinate fire-fighting measures to the fire surroundings.  
Water fog. Extinguishing powder. Carbon dioxide. Foam.

**Unsuitable extinguishing media**

High power water jet.

**5.3. Advice for firefighters**

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

**Additional information**

Collect contaminated fire extinguishing water separately. Do not allow entering drains or surface water.

**SECTION 6: Accidental release measures****6.1. Personal precautions, protective equipment and emergency procedures****General advice**

Wear personal protection equipment. Do not breathe gas/fumes/vapour/spray. Provide adequate ventilation.

**For non-emergency personnel**

Special danger of slipping by leaking/spilling product.

**For emergency responders**

Self-protection of the first aider Remove affected person from the danger area and lay down. Do not leave affected person unattended. Remove all sources of ignition. Use appropriate respiratory protection.

**6.2. Environmental precautions**

Do not allow to enter into surface water or drains. Prevent spread over a wide area (e.g. by containment or oil barriers). Treat the recovered material as prescribed in the section on waste disposal.

Collect in closed containers for disposal.

**6.3. Methods and material for containment and cleaning up****For containment**

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

Clean contaminated articles and floor according to the environmental legislation.

Clean with detergents. Avoid solvent cleaners.

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#### 6.4. Reference to other sections

See protective measures under point 7 and 8.

Disposal: see section 13

### SECTION 7: Handling and storage

#### 7.1. Precautions for safe handling

##### Advice on safe handling

Avoid oil mist

Use only in well-ventilated areas.

When using do not eat, drink or smoke.

##### Further information on handling

Do not breathe mist/vapours/spray.

Chemical resistant safety shoes. High slip hazard because of leaking or spilled product. Do not put any product-impregnated cleaning rags into your trouser pockets.

High slip hazard because of leaking or spilled product.

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

##### Requirements for storage rooms and vessels

Keep the packing dry and well sealed to prevent contamination and absorption of humidity.

Recommended storage temperature: 0-50 °C // 32 - 122°F

##### Further information on storage conditions

Protect from sunlight. Store in a well-ventilated place.

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

Observe technical data sheet.

Reserved for industrial and professional use.

### SECTION 8: Exposure controls/personal protection

#### 8.1. Control parameters

##### Occupational exposure limits

CAS No	Substance	ppm	mg/m <sup>3</sup>	fib/cm <sup>3</sup>	Category	Origin
-	Mineral Oil pure, highly & severely refined (Inhalable)	-	5		TWA (8 h)	

##### DNEL/DMEL values

CAS No	Substance			
DNEL type	Exposure route	Effect	Value	
	Highly refined, low viscosity mineral oils/hydrocarbons (Viscosity >7 - <20.5 cSt @40°C)			

#### 8.2. Exposure controls



#### Individual protection measures, such as personal protective equipment

##### Hand protection

Protect skin by using skin protective cream.

Wash hands before breaks and after work.

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**Skin protection**

Chemical resistant safety shoes. Take off immediately all contaminated clothing.  
Thorough skin-cleansing after handling the product. Set out skin protection guidelines.

**Respiratory protection**

If technical exhaust or ventilation measures are not possible or insufficient, respiratory protection must be worn.

**Environmental exposure controls**

Do not allow to enter into surface water or drains.

**SECTION 9: Physical and chemical properties****9.1. Information on basic physical and chemical properties**

Physical state:	liquid		
Colour:	light brown		
Odour:	characteristic		
			<b>Test method</b>
Boiling point or initial boiling point and boiling range:	> 280 °C		estimated
Lower explosion limits:	1 vol. %		
Upper explosion limits:	10 vol. %		
Flash point:	230 °C		ISO 2592
Auto-ignition temperature:	>320 °C		
pH-Value:	not applicable		
Viscosity / kinematic: (at 40 °C)	46 mm <sup>2</sup> /s		DIN EN ISO 3104
Partition coefficient n-octanol/water:	> 6		
Vapour pressure:	< 0,5 hPa		
Density (at 15 °C):	0,868 g/cm <sup>3</sup>		EN ISO 12185
Relative vapour density:	>1		

**9.2. Other information****Other safety characteristics**

Pour point: -30 °C ISO 3016

No further relevant information available.

**SECTION 10: Stability and reactivity****10.1. Reactivity**

No known hazardous reactions.

**10.2. Chemical stability**

The product is chemically stable under recommended conditions of storage, use and temperature.

**10.3. Possibility of hazardous reactions**

No hazardous reaction when handled and stored according to provisions.

**10.4. Conditions to avoid**

Protect against: heat.  
Protect from direct sunlight.

**10.5. Incompatible materials**

The following must be prevented: Oxidizing agents, strong. acid.

**10.6. Hazardous decomposition products**

Hazardous decomposition products: none

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## SECTION 11: Toxicological information

### 11.1. Information on hazard classes as defined in Regulation (EC) No 1272/2008

#### Toxicokinetics, metabolism and distribution

There are no data available on the preparation/mixture itself.  
Data apply to the main component.

#### Acute toxicity

Based on available data, the classification criteria are not met.

#### ATEmix tested

	Dose	Species	Source
LD50, oral	> 5000 mg/kg	Ratte	
LD50, dermal	> 5000 mg/kg	Kaninchen	

CAS No	Chemical name				
	Exposure route	Dose	Species	Source	Method
	Highly refined, low viscosity mineral oils/hydrocarbons (Viscosity >7 - <20.5 cSt @40°C)				
	oral	LD50 >2000 mg/kg	RAT		
	dermal	LD50 >2000 mg/kg	RABBIT		
	inhalation	Data lacking			

#### Irritation and corrosivity

Based on available data, the classification criteria are not met.

#### Sensitising effects

Based on available data, the classification criteria are not met.  
(4-Nonylphenoxy)essigsäure: May cause an allergic skin reaction.

#### Carcinogenic/mutagenic/toxic effects for reproduction

Based on available data, the classification criteria are not met.

#### STOT-single exposure

Based on available data, the classification criteria are not met.

#### STOT-repeated exposure

Based on available data, the classification criteria are not met.

#### Aspiration hazard

Based on available data, the classification criteria are not met.

#### Additional information on tests

No risks worthy of mention. Practical experience.  
The statement is derived from the properties of the single components.  
The classification was undertaken in accordance with the calculation method governed by the Preparations Directive (1999/45/EC).

### 11.2. Information on other hazards

#### Endocrine disrupting properties

This product does not contain a substance that has endocrine disrupting properties with respect to non-target organisms as no components meets the criteria.

## SECTION 12: Ecological information

### 12.1. Toxicity

Based on available data, the classification criteria are not met.  
Additional ecotoxicological information The statement is derived from the properties of the components.

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#### 12.3. Bioaccumulative potential

log Pow: > 6

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

The substances in the mixture do not meet the PBT/vPvB criteria according to REACH, annex XIII.

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

#### 12.6. Endocrine disrupting properties

This product does not contain a substance that has endocrine disrupting properties with respect to non-target organisms as no components meets the criteria.

### SECTION 13: Disposal considerations

#### 13.1. Waste treatment methods

##### List of Wastes Code - residues/unused products

130205 OIL WASTES AND WASTES OF LIQUID FUELS (EXCEPT EDIBLE OILS, AND THOSE IN CHAPTERS 05, 12 AND 19); waste engine, gear and lubricating oils; mineral-based non-chlorinated engine, gear and lubricating oils; hazardous waste

##### List of Wastes Code - used product

130205 OIL WASTES AND WASTES OF LIQUID FUELS (EXCEPT EDIBLE OILS, AND THOSE IN CHAPTERS 05, 12 AND 19); waste engine, gear and lubricating oils; mineral-based non-chlorinated engine, gear and lubricating oils; hazardous waste

##### Contaminated packaging

Non-contaminated packages may be recycled.

### SECTION 14: Transport information

#### Land transport (ADR/RID)

14.1. UN number or ID number: No dangerous good in sense of these transport regulations.

14.2. UN proper shipping name: No dangerous good in sense of these transport regulations.

14.3. Transport hazard class(es): No dangerous good in sense of these transport regulations.

14.4. Packing group: No dangerous good in sense of these transport regulations.

##### Other applicable information (land transport)

Not restricted

#### Inland waterways transport (ADN)

14.1. UN number or ID number: No dangerous good in sense of these transport regulations.

14.2. UN proper shipping name: No dangerous good in sense of these transport regulations.

14.3. Transport hazard class(es): No dangerous good in sense of these transport regulations.

14.4. Packing group: No dangerous good in sense of these transport regulations.

##### Other applicable information (inland waterways transport)

Not restricted

#### Marine transport (IMDG)

14.1. UN number or ID number: No dangerous good in sense of these transport regulations.

14.2. UN proper shipping name: No dangerous good in sense of these transport regulations.

14.3. Transport hazard class(es): No dangerous good in sense of these transport regulations.

##### Other applicable information (marine transport)

Not restricted

#### Air transport (ICAO-TI/IATA-DGR)

14.1. UN number or ID number: No dangerous good in sense of these transport regulations.

14.2. UN proper shipping name: No dangerous good in sense of these transport regulations.

14.3. Transport hazard class(es): No dangerous good in sense of these transport regulations.

##### Other applicable information (air transport)

Not restricted

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**14.5. Environmental hazards**

ENVIRONMENTALLY HAZARDOUS: No  
 Danger releasing substance: No dangerous good in sense of these transport regulations.

**14.6. Special precautions for user**

Section 7: Handling and Storage SECTION 8: Exposure controls/personal protection

**14.7. Maritime transport in bulk according to IMO instruments**

no

**SECTION 15: Regulatory information****15.1. Safety, health and environmental regulations/legislation specific for the substance or mixture****EU regulatory information**

2010/75/EU (VOC): 0,0  
 2004/42/EC (VOC): 0,0

**National regulatory information**

Water hazard class (D): 1 - slightly hazardous to water

**15.2. Chemical safety assessment**

For this substance a chemical safety assessment has not been carried out.

**SECTION 16: Other information****Changes**

AICS (Australien), DSL (Kanada), IECSC (China), REACH (Europäische Union), ENCS (Japan),  
 ISHL (Japan), KECI (Korea), NZIoC (Neuseeland), PICCS (Philippinen), TSCA (USA)

**Abbreviations and acronyms**

Acute Tox.: Akute Toxizität  
 Aquatic Chronic: Langfristig (chronisch) gewässergefährdend  
 Asp. Tox.: Aspirationsgefahr  
 Repr.: Reproduktionstoxizität  
 Skin Corr.: Ätzwirkung auf die Haut  
 Skin Sens.: Sensibilisierung durch Hautkontakt

ACGIH = Amerikanische Konferenz der staatlich-industriellen Hygieniker  
 ADR = Europäisches Übereinkommen über die internationale Beförderung gefährlicher Güter auf der Straße  
 AICS = Australisches Verzeichnis chemischer Substanzen  
 ASTM = Amerikanische Gesellschaft für Werkstoffprüfung  
 BEL = Biologische Expositionsgrenze  
 BTEX = Benzol, Toluol, Ethylbenzol, Xylol  
 CAS = Chemical Abstracts Service  
 CEFIC = Wirtschaftsverband der europäischen chemischen Industrie  
 CLP = Einstufung, Verpackung und Kennzeichnung  
 COC = Flammpunktprüfer nach Cleveland  
 DIN = Deutsches Institut für Normung  
 DMEL = Abgeleitetes Minimal-Effekt Niveau  
 DNEL = Expositionskonzentration ohne Auswirkungen  
 DSL = Kanadisches Verzeichnis inländischer Substanzen  
 EC = Europäische Kommission  
 EC50 = Effektive Konzentration 50  
 ECHA = Europäische Chemikalien Agentur  
 EINECS = Europäisches Altstoffverzeichnis

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EL50 = Effektives Niveau 50  
 ENCS = Japanisches Verzeichnis bestehender und neuer Chemikalien  
 EWC = Europäischer Abfall-Code  
 GHS = Global Harmonisiertes System zur Einstufung und Kennzeichnung von Chemikalien  
 IARC = Internationales Krebsforschungszentrum  
 IATA = Internationale Flug-Transport-Vereinigung  
 IC50 = Hemmkonzentration 50  
 IL50 = Hemmniveau 50  
 IMDG = Internationale Maritime Gefahrgüter  
 INV = Chinesisches Chemikalien-Verzeichnis  
 IP346 = "Institute of Petroleum" (IP) Testmethode Nr. 346 zur Bestimmung von polyzyklischen Aromaten  
 DMSO-extrahierbar  
 KECI = Koreanisches Verzeichnis bestehender Chemikalien  
 LC50 = Letale Konzentration 50  
 LD50 = Letale Dosis 50  
 LL/EL/IL = Letale Belastung / Expositionsgrenze / Inhibitionsgrenze  
 LL50 = Letales Niveau 50  
 MARPOL = Übereinkommen zur Verhütung der Meeres-Verschmutzung durch Schiffe  
 NOEC/NOEL = Höchste Dosis oder Expositionskonzentration einer Substanz ohne beobachtete Auswirkungen  
 OE\_HP V = Occupational Exposure – High Production Volume (Berufliche Exposition – hohes Produktionsvolumen)  
 PBT = Persistent, bioakkumulierbar, toxisch  
 PICCS = Philippinisches Verzeichnis von Chemikalien und chemischen Substanzen  
 PNEC = Abgeschätzte Nicht-Effekt Konzentration  
 REACH = Registrierung, Bewertung, Zulassung und Beschränkung von Chemikalien  
 RID = Regulations Relating to International Carriage of Dangerous Goods by Rail (Regelung zur internationalen Beförderung gefährlicher Güter im Schienenverkehr)  
 SKIN\_DES = Skin Designation (Kennzeichnung, dass Hautabsorption vermieden werden soll)  
 STEL = Kurzzeit Expositionsgrenze  
 TRA = Gezielte Risiko-Bewertung  
 TSCA = US-Amerikanisches Gesetz zur Chemikalienkontrolle  
 TWA = Zeitgewichteter Durchschnitt  
 vPvB = Sehr persistent und sehr bioakkumulierbar

**Relevant H and EUH statements (number and full text)**

H304                      May be fatal if swallowed and enters airways.  
 EUH066                    Repeated exposure may cause skin dryness or cracking.

**Further Information**

The information is based on the present level of our knowledge. It does not, however, give assurance of product properties and establishes no contract legal rights.

Abkürzungen und Akronyme siehe Verzeichnis unter <http://abk.esdscom.eu>

*(The data for the hazardous ingredients were taken respectively from the last version of the sub-contractor's safety data sheet.)*