

# Safety Data Sheet

according to Regulation (EC) No 1907/2006

## Boge Syprem SX Art. 599026

Revision date: 01.01.2021

Product code: 599026

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

#### 1.1. Product identifier

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

##### Use of the substance/mixture

Lubricant

#### 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

Giftnotruf Berlin: +49 (0) 30 / 30686 790

### 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.

#### 2.2. Label elements

#### 2.3. Other hazards

No information available.

### SECTION 3: Composition/information on ingredients

#### 3.2. Mixtures

##### Hazardous components

CAS No	Chemical name			Quantity
	EC No	Index No	REACH No	
	GHS Classification			
68411-46-1	Benzenamine, N-phenyl-, reaction products with 2,4,4-trimethylpentene			< 5 %
	270-128-1		01-2119491299-23	
	Aquatic Chronic 3; H412			

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

### 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.

##### After inhalation

Move victim to fresh air. Put victim at rest and keep warm.

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**After contact with skin**

Remove contaminated, saturated clothing immediately. In case of accident or unwellness, seek medical advice immediately (show directions for use or safety data sheet if possible).

**After contact with eyes**

Rinse immediately carefully and thoroughly with eye-bath or water. Seek medical advice.

**After ingestion**

Do NOT induce vomiting. In case of swallowing, keep the patient at rest and contact a doctor.

**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**

Treat symptomatically.

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

Co-ordinate fire-fighting measures to the fire surroundings.

**Unsuitable extinguishing media**

High power water jet.

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

In case of fire may be liberated:

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

Carbon monoxide

Nitrogen oxides (NO<sub>x</sub>).

**5.3. Advice for firefighters**

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

**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**

See protective measures under point 7 and 8.

**6.2. Environmental precautions**

Do not allow to enter into surface water or drains.

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

Absorb with liquid-binding material (e.g. sand, diatomaceous earth, acid- or universal binding agents). Treat the recovered material as prescribed in the section on waste disposal.

**6.4. Reference to other sections**

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.

Direct contact with skins avoid.

When using do not eat, drink or smoke.

**Advice on protection against fire and explosion**

Prevent access by unauthorised personnel.

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### Further information on handling

When using do not eat, drink or smoke.  
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 container tightly closed.

#### Hints on joint storage

Keep away from food, drink and animal feedingstuffs.  
Do not store with strong oxidizing agents.

#### Further information on storage conditions

the regulations relating to storage premises apply to workshops where the product is handled.

### 7.3. Specific end use(s)

refer to chapter 1.2

## SECTION 8: Exposure controls/personal protection

### 8.1. Control parameters

### 8.2. Exposure controls



#### Protective and hygiene measures

Take off contaminated clothing. Wash hands before breaks and after work.

#### Eye/face protection

Wear eye protection/face protection.

#### Hand protection

When handling with chemical substances, protective gloves must be worn with the CE-label including the four control digits. The quality of the protective gloves resistant to chemicals must be chosen as a function of the specific working place concentration and quantity of hazardous substances. For special purposes, it is recommended to check the resistance to chemicals of the protective gloves mentioned above together with the supplier of these gloves.

#### Skin protection

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

#### Respiratory protection

In case of inadequate ventilation wear respiratory protection.

## SECTION 9: Physical and chemical properties

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

Physical state:	liquid
Colour:	light yellow
Odour:	mild

#### Test method

pH-Value (at 20 °C):	not applicable	DIN 51369
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#### Changes in the physical state

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Melting point:	not applicable
Initial boiling point and boiling range:	not applicable
Pour point:	not determined
Flash point:	225 °C ASTM D 92

**Flammability**

Solid:	not applicable
Gas:	not applicable

**Explosive properties**

not explosive.

Lower explosion limits:	not determined
Upper explosion limits:	not determined
Ignition temperature:	not determined

**Auto-ignition temperature**

Solid:	not determined
Gas:	not determined

Decomposition temperature:	not determined
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**Oxidizing properties**

Not oxidising.

Vapour pressure: (at 20 °C)	< 0,1 hPa
Vapour pressure:	not determined
Density (at 20 °C):	0,84 g/cm³ EN ISO 12185
Water solubility:	No

**Solubility in other solvents**

not determined

Partition coefficient:	not determined
Viscosity / dynamic: (at 40 °C)	15 - 220 mPa·s
Viscosity / kinematic: (at 20 °C)	not applicable ASTM D 7042
Vapour density:	not determined
Evaporation rate:	not determined

**9.2. Other information**

Solid content:	not determined
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No information available.

**SECTION 10: Stability and reactivity****10.2. Chemical stability**

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

**10.4. Conditions to avoid**

Protect against direct sunlight. Protect against: heat.

**10.5. Incompatible materials**

Do not store with strong oxidizing agents. 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 toxicological effects

## Acute toxicity

CAS No	Chemical name				
	Exposure route	Dose	Species	Source	Method
68411-46-1	Benzenamine, N-phenyl-, reaction products with 2,4,4-trimethylpentene				
	oral	LD50 >5000 mg/kg	Rat	OECD 401	
	dermal	LD50 >2000 mg/kg	Rat		

## Additional information on tests

The mixture is classified as not hazardous according to regulation (EC) No 1272/2008 [CLP].

## SECTION 12: Ecological information

## 12.1. Toxicity

CAS No	Chemical name					
	Aquatic toxicity	Dose	[h]   [d]	Species	Source	Method
68411-46-1	Benzenamine, N-phenyl-, reaction products with 2,4,4-trimethylpentene					
	Acute fish toxicity	LC50 > 71 mg/l	96 h			
	Acute crustacea toxicity	EC50 51 mg/l	48 h		OECD 202	

## 12.2. Persistence and degradability

The product has not been tested.

## 12.3. Bioaccumulative potential

The product has not been tested.

## 12.4. Mobility in soil

The product has not been tested.

## 12.5. Results of PBT and vPvB assessment

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

## 12.6. Other adverse effects

Avoid release to the environment.

## SECTION 13: Disposal considerations

## 13.1. Waste treatment methods

## Disposal recommendations

Do not allow to enter into surface water or drains. Dispose of waste according to applicable legislation.

## Contaminated packaging

Wash with plenty of water. Completely emptied packages can be recycled.

## SECTION 14: Transport information

## Land transport (ADR/RID)

## 14.1. UN number:

No dangerous good in sense of this transport regulation.

## 14.2. UN proper shipping name:

No dangerous good in sense of this transport regulation.

## 14.3. Transport hazard class(es):

No dangerous good in sense of this transport regulation.

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**14.4. Packing group:**

No dangerous good in sense of this transport regulation.

**Inland waterways transport (ADN)****14.1. UN number:**

No dangerous good in sense of this transport regulation.

**14.2. UN proper shipping name:**

No dangerous good in sense of this transport regulation.

**14.3. Transport hazard class(es):**

No dangerous good in sense of this transport regulation.

**14.4. Packing group:**

No dangerous good in sense of this transport regulation.

**Marine transport (IMDG)****14.1. UN number:**

No dangerous good in sense of this transport regulation.

**14.2. UN proper shipping name:**

No dangerous good in sense of this transport regulation.

**14.3. Transport hazard class(es):**

No dangerous good in sense of this transport regulation.

**Air transport (ICAO-TI/IATA-DGR)****14.1. UN number:**

No dangerous good in sense of this transport regulation.

**14.2. UN proper shipping name:**

No dangerous good in sense of this transport regulation.

**14.3. Transport hazard class(es):**

No dangerous good in sense of this transport regulation.

**14.5. Environmental hazards**

ENVIRONMENTALLY HAZARDOUS: No

**14.6. Special precautions for user**

Personal protection equipment: see section 8

**14.7. Transport in bulk according to Annex II of Marpol and the IBC Code**

No dangerous good in sense of this transport regulation.

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

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

**15.2. Chemical safety assessment**

Chemical safety assessments for substances in this mixture were not 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

Legende zu Abkürzungen in diesem Sicherheitsdatenblatt:

Die in diesem Dokument verwendeten Standard-Abkürzungen und -Akronyme können in einschlägiger Referenzliteratur (z. B. wissenschaftlichen Wörterbüchern) bzw. auf Webseiten nachgeschlagen werden.

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

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BTEX = Benzol, Toluol, Ethylbenzol, Xylole  
 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  
 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 / Inhibitions-grenze  
 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)**

H412 Harmful to aquatic life with long lasting effects.

**Further Information**

The above information describes exclusively the safety requirements of the product and is based on our present-day knowledge. The information is intended to give you advice about the safe handling of the product named in this safety data sheet, for storage, processing, transport and disposal. The information cannot be transferred to other products. In the case of mixing the product with other products or in the case of processing, the information on this safety data sheet is not necessarily valid for the new made-up material.

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