

Safety data sheet according to Regulation (EC) No 1907/2006

1. IDENTIFICATION OF THE SUBSTANCE/PREPARATION AND OF THE COMPANY

Identification of the product

BAUER COMPRESSOR OIL

Order No.: N30387

Use of the product

Lubricant

Company identification

BAUER KOMPRESSOREN GmbH, Postfach 710260, D-81452 München
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Telephone number of the company in case of emergencies:

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2. HAZARDS IDENTIFICATION

Classification according to Regulation EC

The preparation is classified as dangerous according to Directive 1999/45/EC and its amendments.

Classification: R52/R53

Environmental hazards

Harmful to aquatic organisms, may cause long-term adverse effects in the aquatic environment.

See point 11 for more detailed information on health effects and symptoms.

3. COMPOSITION/INFORMATION ON INGREDIENTS

Product: preparation

Ingredient name	CAS number	%	EC number	Classification
Europe				
N-Phenyl-1-naphthylamine	90-30-2	0.5 – 1	201-983-0	Xn; R20/22 R43 N; R50/53
Triphenyl phosphate	115-86-6	0.5 – 1	204-112-2	N; R50/53

Ingredient name	CAS number	%	EC number	Classification
France				
N-Phenyl-1-naphthylamin	90-30-2	0.5–1	201-983-0	Xn; R20/22 R43 N; R50/53
Triphenyl phosphate	115-86-6	0.5–1	204-112-2	N; R50/53
Netherlands				
N-Phenyl-1-naphthylamin	90-30-2	0.25–1	201-983-0	Xn; R20/22 R43 N; R50/53
Triphenyl phosphate	115-86-6	0.25–2,5	204-112-2	N; R50/53
Germany				
N-Phenyl-1-naphthylamin	90-30-2	0.5–1	201-983-0	Xn; R20/22 R43 N; R50/53
Triphenylphosphate	115-86-6	0.5–1	204-112-2	N; R50/53
United Kingdom (UK)				
N-Phenyl-1-naphthylamin	90-30-2	0.5–1	201-983-0	Xn; R20/22 R43 N; R50/53
Triphenyl phosphate	115-86-6	0.5–1	204-112-2	N; R50/53
Spain				
N-Phenyl-1-naphthylamin	90-30-2	0.5–1	201-983-0	Xn; R20/22 R43 N; R50/53
Triphenyl phosphate	115-86-6	0.5–1	204-112-2	N; R50/53

See point 16 for the full text of the R-phrases declared above.

Occupational exposure limits, if available, are listed in point 8.

4. FIRST AID MEASURES

First-aid measures

Eye contact

Check for and remove any contact lenses.

Bei Berührung die Haut sofort mindestens 20 Minuten lang mit reichlich Wasser abspülen and discard contaminated clothing and footwear.

Get medical attention if irritation occurs.

Skin contact	Wash with soap and water. Get medical attention if irritation occurs.
Inhalation	If inhaled, remove to fresh air. If not breathing, give artificial respiration. Get medical attention if symptoms appear.
Ingestion	Do not induce vomiting. Never give anything by mouth to an unconscious person. Get medical attention if symptoms appear.
Protection of first-aiders	No action shall be taken involving any personal risk or without suitable training.
Notes to physician	Not available.

See point 11 for more detailed information on health effects and symptoms.

5. FIRE FIGHTING MEASURES

Extinguishing media

Appropriate media

Use an extinguishing agent suitable for the surrounding fire.

Inappropriate media

None known.

Besondere Expositionsgefahren

No special hazards.

This product is harmful to aquatic organisms. **Mit diesem Stoff kontaminiertes Löschwasser muß eingedämmt werden und darf nicht in Gewässer, Kanalisation oder Abfluß gelangen.**

Hazardous thermal decomposition products

The final products of combustion are carbon oxides and water. Nitrogen, sulfur and metal oxides may also be produced in some cases.

Special protective equipment for fire-fighters

Fire-fighters should wear appropriate protective equipment and self-contained breathing apparatus (SCBA) with a full face-piece operated in positive pressure mode.

6. ACCIDENTAL RELEASE MEASURES

Personal precautions

Sofort Rettungskräfte hinzuziehen. Keep unnecessary personnel from entering. Use appropriate personal protective equipment.

Environmental precautions

Avoid dispersal of spilt material and runoff and contact with soil, waterways, drains and sewers.

Methods for cleaning up

Wenn keine Einsatzkräfte verfügbar sind, verschüttetes Produkt eindämmen. Bei kleinen Verschüttungen ein Absorptionsmittel hinzugeben (notfalls auch Erde), das Material mit Hilfe einer Schaufel aufnehmen und zur späteren Entsorgung in einen dicht verschließbaren, wasserdichten Behälter geben. Bei grossen freigesetzten Mengen Produkt eindämmen oder anderweitig eingrenzen, damit kein Abfließen in Gewässer erfolgen kann. Verschüttetes Material in einen geeigneten Behälter zur Entsorgung geben.

7. HANDLING AND STORAGE

Handling

Verschüttetes und ausgelaufenes Produkt darf nicht mit dem Erdreich und Oberflächengewässern in Kontakt kommen.

Storage

Behälter dicht geschlossen halten. Behälter an einem kühlen und gut gelüfteten Ort aufbewahren.

Packaging materials

Recommended

Use original container.

8. EXPOSURE CONTROLS / PERSONAL PROTECTION

Ingredient name	Occupational exposure limits
Europe Triphenyl phosphate	ACGIH TLV (USA, 2001). TWA: 3 mg/m ³ 8 hours.
France Triphenyl phosphate	INRS (Frankreich, 2/2005). VME: 3 mg/m ³ 8 hours. Form: Alle Formen.
Netherlands Triphenyl phosphate	Nationale MAC-lijst (Netherlands, 3/2005). TGG: 3 mg/m ³ 8 hours. Form: Alle Formen.
Germany Triphenyl phosphate	TRGS900 MAK (Germany, 5/2004). TWA: 3 mg/m ³ 8 hours. Form: Inhalierbarer Anteil.
United Kingdom (UK) Triphenyl phosphate	EH40-WEL (United Kingdom (UK), 1/2005). STEL: 6 mg/m ³ 15 minutes. Form: Alle Formen. TWA: 3 mg/m ³ 8 hours. Form: Alle Formen.
Spain Triphenyl phosphate	INSHT (Spanien, 1/2005). VLA-ED: 3 mg/m ³ 8 hours. Form: Alle Formen.

Recommended monitoring procedures

If this product contains ingredients with exposure limits, personal, workplace atmosphere or biological monitoring may be required to determine the effectiveness of the ventilation or other control measures and/or the necessity to use respiratory protective equipment. Reference should be made to European Standard EN 689 for methods for the assessment of exposure by inhalation to chemical agents and national guidance documents for methods for the determination of hazardous substances.

Exposure controls

Occupational exposure controls

No special ventilation requirements.
General ventilation should be sufficient to control worker exposure to airborne contaminants. If this product contains ingredients with exposure limits, use process enclosures, local exhaust ventilation or other engineering controls to keep worker exposure below any recommended or statutory limits.

Eye protection

Safety glasses with side shields.

Hand protection

Natural rubber (latex).

Hygiene measures

Wash hands, forearms and face thoroughly after handling compounds and before eating, smoking and using the lavatory and at the end of the day. During formulation, follow good industrial hygiene practice.

Environmental exposure controls

Emissions from ventilation or work process equipment should be checked to ensure they comply with the requirements of environmental protection legislation. In some cases, fume scrubbers, filters or engineering modifications to the process equipment will be necessary to reduce emissions to acceptable levels.

9. PHYSICAL AND CHEMICAL PROPERTIES

General information

Physical state	Liquid
Colour	Amber (light)
Odour	Mild

Important health, safety and environmental information

Flash point [method]	Open cup: 265 °C (509 °F) [Cleveland]
Relative density	0,95 (water = 1)

10. STABILITY AND REACTIVITY

Stability	The product is stable.
Conditions to avoid	None known.
Materials to avoid	Oxidisers.

11. TOXICOLOGICAL INFORMATION

Potential acute health effects

Inhalation	No known significant effects or critical hazards.
Ingestion	No known significant effects or critical hazards.
Skin contact	No known significant effects or critical hazards.
Eye contact	No known significant effects or critical hazards.

Acute toxicity

Product/ingredient name	Test	Result	Route of exposure	Species
N-Phenyl-1-naphtylamin	LD50	1625 mg/kg	Oral	Rat
	LD50	1231 mg/kg	Oral	Mouse
Triphenyl phosphate	LD50	3500 mg/kg	Oral	Rat
	LD50	1320 mg/kg	Oral	Mouse
	LD50	> 7900 mg/kg	Dermal	Rabbit

Potential chronic health effects

Carcinogenicity	No known significant effects or critical hazards.
Mutagenicity	No known significant effects or critical hazards.
Reproductive toxicity	No known significant effects or critical hazards.

Over-exposure signs/symptoms

Inhalation	No known significant effects or critical hazards.
Ingestion	No known significant effects or critical hazards.
Skin	No known significant effects or critical hazards.

12. ECOLOGICAL INFORMATION

Ecotoxicity

Product/ingredient name	Species	Exposure	Result
Triphenylphosphate	Daphnia magna (EC50)	48 hours	1 mg/l
	Oncorhynchus mykiss (LC50)	96 hours	0,3 mg/l
	Oncorhynchus mykiss (LC50)	96 hours	0,36 mg/l
	Oncorhynchus mykiss (LC50)	96 hours	0,37 mg/l
	Oncorhynchus mykiss (LC50)	96 hours	0,4 mg/l
	Pimephales promelas (LC50)	96 hours	0,66 mg/l

Other ecological information

Persistence/Degradability

Abbauprodukte

Die Endprodukte des biologischen Abbaus sind Kohlenstoffoxide und Wasser. In einigen Fällen können auch Stickstoff, Schwefeloxide und Metallsalz entstehen.

Mobility

Not available.

Other adverse effects

Harmful to aquatic organisms, may cause long-term adverse effects in the aquatic environment.

13. DISPOSAL CONSIDERATIONS

Methods of disposal

The generation of waste should be avoided or minimised wherever possible. Avoid dispersal of spilt material and runoff and contact with soil, waterways, drains and sewers. Disposal of this product, solutions and any by-products should at all times comply with the requirements of environmental protection and waste disposal legislation and any regional local authority requirements.

Abfall-Klassifizierung

Bei der Entsorgung sind alle relevanten Bestimmungen von Bund, Ländern und Gemeinden zu beachten.

Hazardous waste

The classification of the product may meet the criteria for a hazardous waste.

14. TRANSPORT INFORMATION**Regulations**

UN/IMDG/IATA/ADNR/ADR Not regulated by any transport mode.

15. REGULATORY INFORMATION**EU regulations**

Risk phrases R52/53. Harmful to aquatic organisms, may cause long-term adverse effects in the aquatic environment.

Product use Einstufung und Kennzeichnung wurden entsprechend den EU-Richtlinien 67/548/EWG und 1999/45/EG (einschließlich Änderungen) und gemäß dem vorgesehenen Einsatz durchgeführt.
– Industrial applications.

Other EU regulations

Additional warning phrases Contains N-Phenyl-1-naphthylamine. May produce an allergic reaction.

Statistische EG-Klassifizierung (Zolltarif-Kennziffer) 32089091

The Restriction of Hazardous Substances in Electrical and Electronic Equipment (ROHS) Directive (2002/95/EC) In compliance.

National regulations**Germany**

Beschäftigungsbeschränkungen gemäß Abschnitt 15b der Gefahrstoffverordnung No

Störfallverordnung No

Hazard class for water 1

16. OTHER INFORMATION

**Full text of R-phrases
referred to in points 2 and 3 –
Europa**

R20/22 – Harmful by inhalation and if swallowed.
R43 – May cause sensitisation by skin contact.
R50/53 – Very toxic to aquatic organisms, may cause long-term adverse effects in the aquatic environment.
R52/53 – Harmful to aquatic organisms, may cause long-term adverse effects in the aquatic environment.

**Full text of classifications
referred to in points 2 and 3 –
Europa**

Xn – Harmful
N – Dangerous for the environment

**Full text of R-phrases
referred to in points 2 and 3 –
France**

R20/22 – Harmful by inhalation and if swallowed.
R43 – May cause sensitisation by skin contact.
R50/53 – Very toxic to aquatic organisms, may cause long-term adverse effects in the aquatic environment.
R52/53 – Harmful to aquatic organisms, may cause long-term adverse effects in the aquatic environment.

**Full text of classifications
referred to in points 2 and 3 –
France**

Xn – Harmful
N – Dangerous for the environment

**Full text of R-phrases
referred to in points 2 and 3 –
Netherlands**

R20/22 – Harmful by inhalation and if swallowed.
R43 – May cause sensitisation by skin contact.
R50/53 – Very toxic to aquatic organisms, may cause long-term adverse effects in the aquatic environment.
R52/53 – Harmful to aquatic organisms, may cause long-term adverse effects in the aquatic environment.

**Full text of classifications
referred to in points 2 and 3 –
Netherlands**

Xn – Harmful
N – Dangerous for the environment

**Full text of R-phrases
referred to in points 2 and 3 –
Germany**

R20/22 – Harmful by inhalation and if swallowed.
R43 – May cause sensitisation by skin contact.
R50/53 – Very toxic to aquatic organisms, may cause long-term adverse effects in the aquatic environment.
R52/53 – Harmful to aquatic organisms, may cause long-term adverse effects in the aquatic environment.

**Full text of classifications
referred to in points 2 and 3 –
Germany**

Xn – Harmful
N – Dangerous for the environment

**Full text of R-phrases
referred to in points 2 and 3 –
United Kingdom (UK)**

R20/22 – Harmful by inhalation and if swallowed.
R43 – May cause sensitisation by skin contact.
R50/53 – Very toxic to aquatic organisms, may cause long-term adverse effects in the aquatic environment.
R52/53 – Harmful to aquatic organisms, may cause long-term adverse effects in the aquatic environment.

**Full text of classifications
referred to in points 2 and 3 –
United Kingdom (UK)**

Xn – Harmful
N – Dangerous for the environment

**Full text of R-phrases
referred to in points 2 and 3 –
Spain**

R20/22 – Harmful by inhalation and if swallowed.
R43 – May cause sensitisation by skin contact.
R50/53 – Very toxic to aquatic organisms, may cause long-term adverse effects in the aquatic environment.
R52/53 – Harmful to aquatic organisms, may cause long-term adverse effects in the aquatic environment.

**Full text of classifications
referred to in points 2 and 3 –
Spain**

Xn – Harmful
N – Dangerous for the environment