

Safety data sheet according to Regulation (EC) No 1272/2008, Annex II

1. Identification

Material Name	Bauer-Kompressorenöl
Product Code	N30387
Product Use	Compressor oil
Uses Advised Against	This product must not be used in applications other than those recommended in Section 1, without first seeking the advice off the supplier.
Manufacturer/Supplier	BAUER KOMPRESSOREN GmbH, Stäblistraße 8, D-81477 München Telefon +49(0)89-78049-0, Telefax +49(0)89-78049-167
Emergency Telephone Number	Telefon +49(0)89-78049-0

2. Hazards Identification

Classification of the substance or mixture	<p>Classification (REGULATION (EC) No 1272/2008) Skin sensitisation, Category 1 H317: May cause an allergic skin reaction. Chronic aquatic toxicity, Category 3 H412: Harmful to aquatic life with long lasting effects.</p> <p>Classification (67/548/EEC, 1999/45/EC) Sensitising R43: May cause sensitisation by skin contact. Dangerous for the environment R52/53: Harmful to aquatic organisms, may cause long-term adverse</p>
Label elements	Labeling according to Regulation (EC) 1272/2008
Hazard statements	H317 May cause an allergic skin reaction. H412 Harmful to aquatic life with long lasting effect.
Precautionary statements	<p>Prevention: P261 Avoid breathing dust/ fume/ gas/ mist/ vapours/ spray. P273 Avoid release to the environment. P280 Wear protective gloves.</p> <p>Response: P333 + P313 If skin irritation or rash occurs: Get medical</p>

advice/ attention.
 P362 + P364 Take off contaminated clothing and wash it before reuse.

Disposal:

P501 Dispose of contents/ container to an approved waste disposal plant.
 Do not handle until all safety precautions have been read and understood.

Other hazards

3. Composition/information on ingredients

For the full text of the R-phrases mentioned in this Section, see Section 16.
 For the full text of the H-statements mentioned in this Section, see Section 16.

Chemical Name	CAS-No. EC-No. Registration number	Classification (67/548/EEC)	Classification (REGULATION (EC) No 1272/2008)	Concentration [%]
Long chain alkyl polyamide	01-2119960832-33-xxxx	Xi; R43-R36/38 R52/53	Eye Irrit. 2; H319 Skin Irrit. 2; H315 Skin Sens. 1; H317 Aquatic Chronic 3; H412	>= 1 - < 10
Benzenamine, N-phenyl-, reaction products with 2,4,4-trimethylpentene	68411-46-1 270-128-1 01-2119491299-23-0002	R52/53	Aquatic Chronic 3; H412	>= 1 - < 10
triphenyl phosphate	115-86-6 204-112-2	N; R50/53	Aquatic Acute 1; H400 Aquatic Chronic 1; H410	>= 0.25 - < 1
N-1-naphthylaniline	90-30-2 201-983-0 01-2119488764-27-xxxx	Xn; R22 Xi; R43 N; R50/53	Acute Tox. 4; H302 Skin Sens. 1; H317 STOT RE 2; H373 Aquatic Acute 1; H400 Aquatic Chronic 1; H410	>= 0.25 - < 1

4. First aid measures

General advice	Move out of dangerous area. Consult a physician. Show this safety data sheet to the doctor in attendance.
Inhalation	Move to fresh air in case of accidental inhalation of dust or fumes from overheating or combustion. If symptoms persist, call a physician.
Skin contact	Take off contaminated clothing and shoes immediately. Wash off with soap and plenty of water. If symptoms persist, call a physician.
Eye contact	Flush eyes with water as a precaution. Remove contact lenses. Protect unharmed eye. Keep eye wide open while rinsing. If eye irritation persists, consult a specialist.
Ingestion	Clean mouth with water and drink afterwards plenty of water. Do not give milk or alcoholic beverages. Never give anything by mouth to an unconscious person. Obtain medical attention.
Most important symptoms and effects, both acute and delayed	Symptoms: sensitizing effects
Indication of any immediate medical attention and special treatment needed	Treatment: For specialist advice physicians should contact the Poisons Information Service

5. Firefighting measures

Suitable extinguishing media	Use extinguishing measures that are appropriate to local circumstances and the surrounding environment.
Special hazards arising from the substance or mixture	Specific hazards during firefighting: Burning produces noxious and toxic fumes.

Advice for firefighters

In the event of fire, wear self-contained breathing apparatus. Collect contaminated fire extinguishing water separately. This must not be discharged into drains. Fire residues and contaminated fire extinguishing water must be disposed of in accordance with local regulations.

6. Accidental release measures

Personal precautions, protective equipment and emergency procedures

Use personal protective equipment.
Ensure adequate ventilation.

Environmental precautions

Try to prevent the material from entering drains or water courses.
If the product contaminates rivers and lakes or drains inform respective authorities.

Methods and material for containment and cleaning up

Soak up with inert absorbent material (e.g. sand, silica gel, acid binder, universal binder, sawdust).
Keep in suitable, closed containers for disposal.

Reference to other sections

Refer to protective measures listed in sections 7 and 8.

7. Handling and storage

Precautions for safe handling

For personal protection see section 8.
Smoking, eating and drinking should be prohibited in the application area.
Dispose of rinse water in accordance with local and national regulations.

Conditions for safe storage, including any incompatibilities

Requirements for storage areas and containers: Keep container tightly closed in a dry and well-ventilated place.
Other data : No decomposition if stored and applied as directed.

Specific end use(s)

Raw material for industry

8. Exposure controls/personal protection

Respiratory protection

In the case of vapour formation use a respirator with an approved filter.

Eye/face protection

Eye wash bottle with pure water
Tightly fitting safety goggles

Skin and body protection	impervious clothing. Choose body protection according to the amount and concentration of the dangerous substance at the work place.
Hand protection	Polyvinyl alcohol or nitrile- butyl-rubber gloves The selected protective gloves have to satisfy the specifications of EU Directive 89/686/EEC and the standard EN 374 derived from it. Before removing gloves clean them with soap and water.
Hygiene measures	Handle in accordance with good industrial hygiene and safety practice. When using do not eat or drink. When using do not smoke. Wash hands before breaks and at the end of workday.
Environmental exposure controls	Try to prevent the material from entering drains or water courses. If the product contaminates rivers and lakes or drains inform.

9. Physical and chemical properties

Physical state	Liquid
Colour	Yellow
Odour	No data available
pH-value	No information available
Melting point/freezing point	No information available
Initial boiling point and boiling range	No information available
Flash point	290°C
Evaporation rate	No information available
Flammability (solid, gas)	No information available
Lower explosive limit	No information available
Upper explosive limit	No information available
Vapour pressure	No information available
Vapour density (air = 1)	No information available
Density	0,94 g/cm
Pour point	-36°C
Bulk density	No information available
Solubility(ies)	No information available
Water solubility	No information available
Partition coefficient (n-octanol/water)	No information available
Auto-ignition temperature	420°C
Viscosity, kinematic	293 mm ² /s at 40 °C Method: ASTM D 445 25.4 mm ² /s at 100 °C Method: ASTM D 445
Explosive properties	No information available
Oxidising properties	No
Miscibility	No information available
Fat solubility/solvent	No information available

10. Stability and reactivity

Reactivity	Stable under recommended storage conditions.
Chemical stability	No decomposition if stored and applied as directed.
Possibility of hazardous reactions	Note: No decomposition if used as directed.
Conditions to avoid	Exposure to moisture Contamination
Incompatible materials	Acids, Bases, Oxidizing agents
Hazardous decomposition products	Carbon oxides, metal oxides, nitrogen oxides (NOx)

11. Toxicological information

Acute oral toxicity	<p>Acute toxicity estimate: 35,176 mg/kg Method: Calculation method Remarks: Not classified due to lack of data. Acute oral toxicity Benzenamine, N-phenylreaction products with 2,4,4-trimethylpentene: LD50: > 2,000 mg/kg Species: Rat Method: OECD Test Guideline 401 triphenyl phosphate : LD50: > 2,000 mg/kg Species: Rat N-1-naphthylaniline : LD50: 1,625 mg/kg Species: Rat</p>
Acute dermal toxicity	<p>Remarks: Not classified due to lack of data. Acute dermal toxicity Benzenamine, N-phenylreaction products with 2,4,4-trimethylpentene: LD50: > 2,000 mg/kg Species: Rat triphenyl phosphate : LD50: > 7,900 mg/kg Species: Rabbit N-1-naphthylaniline : LD50 Dermal: > 5,000 mg/kg Species: Rabbit</p>
Acute inhalation toxicity	<p>Remarks: Not classified due to lack of data. Acute inhalation toxicity triphenyl phosphate : LC50: > 200 mg/l Exposure time: 1 h Species: Rat</p>
Skin corrosion/irritation	<p>Skin irritation : Remarks: Not classified due to lack of data. Skin irritation Benzenamine, N-phenyl-, reaction products with 2,4,4-trimethylpentene Species: Rabbit Result: No skin irritation Method: OECD Test Guideline 404 triphenyl phosphate Species: Rabbit Result: No skin irritation Method: OECD Test Guideline 404 Exposure time: 4 h N-1-naphthylaniline Species: Rabbit Result: No skin irritation Method: Draize Test</p>

Serious eye damage/irritation

Eye irritation : Remarks: Not classified due to lack of data.
Eye irritation Benzenamine, N-phenylreaction products with 2,4,4-Trimethylpentene
Species: Rabbit
Result: No eye irritation
Method: OECD Test Guideline 405
triphenyl phosphate
Species: Rabbit
Result: No eye irritation
Method: OECD Test Guideline 405
N-1-naphthylaniline
Species: Rabbit
Result: No eye irritation
Method: OECD Test Guideline 405

Respiratory or skin sensitisation

Sensitisation : Classification: May cause sensitisation by skin contact.
Sensitisation Benzenamine, N-phenylreaction products with 2,4,4-Trimethylpentene
Species: Guinea pig
Classification: Did not cause sensitisation on laboratory animals.
Method: OECD Test Guideline 406
triphenyl phosphate
Maximisation Test (GPMT)
Species: Guinea pig
Classification: Did not cause sensitisation on laboratory animals.
Method: OECD Test Guideline 406
N-1-naphthylaniline
Maximisation Test (GPMT)
Species: Guinea pig
Classification: May cause sensitisation by skin contact.
Result: May cause sensitisation by skin contact.
Patch Test
Species: Human
Classification: May cause sensitisation by skin contact.
Result: May cause sensitisation by skin contact.

Germ cell mutagenicity

triphenyl phosphate:
Ames test
Result: negative
in vitro assay
Result: negative
Unscheduled DNA synthesis (UDS)
Result: negative
N-1-naphthylaniline:
Ames test
Result: negative
Chinese Hamster Ovary (CHO)
Result: negative
Genotoxicity in vivo N-1-naphthylaniline:
in vivo assay
Species: Mouse
Result: negative

Mutagenicity Assessment	Not classified due to lack of data.
Carcinogenicity Assessment	Not classified due to lack of data.
Reproductive toxicity Assessment	Not classified due to lack of data.
Target Organ Systemic Toxicant - Single exposure	Remarks: Not classified due to lack of data.
Target Organ Systemic Toxicant - Repeated exposure	Remarks: Not classified due to lack of data.
Aspiration hazard	No aspiration toxicity classification
Other information	No data is available on the product itself.

12. Ecological information

Toxicity to fish	<p>Remarks: No data available</p> <p>Toxicity to fish Benzenamine, N-phenylreaction products with 2,4,4-trimethylpentene: LC50: > 71 mg/l Exposure time: 96 h Species: Danio rerio (zebra fish) Method: OECD Test Guideline 203 triphenyl phosphate : LC50: 0.78 mg/l Exposure time: 96 h Species: Lepomis macrochirus (Bluegill sunfish) static test LC50: 1.2 mg/l Exposure time: 96 h Species: Oryzias latipes (Orange-red killifish) static test N-1-naphthylaniline LC50: 0.44 mg/l Exposure time: 96 h Species: Oncorhynchus mykiss (rainbow trout) semi-static test Analytical monitoring: yes Toxicity to fish (Chronic toxicity) triphenyl phosphate NOEC: 0.037 mg/l Exposure time: 30 d Species: Oncorhynchus mykiss (rainbow trout)</p>
Toxicity to daphnia	<p>N-1-naphthylaniline : NOEC: 0.02 mg/l Exposure time: 21 d Species: Daphnia magna (Water flea) Analytical monitoring: yes</p>
Persistence and degradability	<p>Biodegradability : Result: No data available Biodegradability Benzenamine, N-phenylreaction products with 2,4,4- trimethylpentene: Result: According to the results of tests of biodegradability this product is not readily biodegradable. Method: CO2 Evolution Test</p>

triphenyl phosphate: Result: No data available
 Biodegradability Benzenamine, N-phenylreaction products with 2,4,4-trimethylpentene:
 Result: According to the results of tests of biodegradability this product is not readily biodegradable.
 Method: CO2 Evolution Test
 triphenyl phosphate:
 aerobic
 Result: Readily biodegradable
 83 - 94 %
 Method: OECD Test Guideline 301
 N-1-naphthylaniline:
 aerobic
 Result: According to the results of tests of biodegradability this product is not readily biodegradable.
 0 %
 Method: OECD Test Guideline 301

Bioaccumulative potential

Bioaccumulation : Remarks: No data available
 Bioaccumulation triphenyl phosphate
 Species: Oryzias latipes (Orange-red killifish)
 Exposure time: 18 d
 Temperature: 25 °C
 Concentration: 0.01 mg/l
 Bioconcentration factor (BCF): 144
 N-1-naphthylaniline
 Species: Cyprinus carpio (Carp)
 Exposure time: 56 d
 Temperature: 25 °C
 Concentration: 0.1 mg/l
 Bioconcentration factor (BCF): 427 - 2,730
 Mobility: Remarks: No data available

Results of PBT and vPvB assessment

This substance/mixture contains no components considered to be either persistent, bioaccumulative and toxic (PBT), or very persistent and very bioaccumulative (vPvB) at levels of 0.1% or higher.

Other adverse effects

Additional ecological information: The product itself has not been tested. An environmental hazard cannot be excluded in the event of unprofessional handling or disposal. Harmful to aquatic organisms, may cause long-term adverse effects in the aquatic environment.
 Additional ecological information Benzenamine, N-phenylreaction products with 2,4,4-trimethylpentene:
 Harmful to aquatic organisms, may cause long-term adverse effects in the aquatic environment.
 Do not allow material to contaminate ground water system.
 Do not flush into surface water or sanitary sewer system.

13. Disposal considerations

Waste treatment methods	<p>Product : The product should not be allowed to enter drains, water courses or the soil.</p> <p>Do not contaminate ponds, waterways or ditches with chemical or used container.</p> <p>Offer surplus and non-recyclable solutions to a licensed disposal company.</p> <p>Contaminated packaging : Empty remaining contents.</p> <p>Dispose of as unused product. Do not re-use empty containers.</p>
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14. Transport information

ADR	Not dangerous goods
IMDG	Not dangerous goods
IATA	Not dangerous goods
RID	Not dangerous goods
Special precautions for user	Not classified as dangerous in the meaning of transport regulations.

15. Regulatory information

Safety, health and environmental regulations/legislation specific for the substance or mixture	<p>REACH - Candidate List of Substances of Very High Concern for Authorisation (Article 59):. This product does not contain substances of very high concern (Regulation (EC) No 1907/2006 (REACH), Article 57).</p> <p>Major Accident Hazard Legislation: 96/82/EC Update: 2003</p> <p>Petroleum products: (a) gasolines and naphthas, (b) kerosenes (including jet fuels), (c) gas oils (including diesel fuels, home heating oils and gas oil blending streams),(d) heavy fuel oils</p> <p>13</p> <p>Quantity 1: 2,500 t</p> <p>Quantity 2: 25,000 t</p> <p>Water contaminating class (Germany)</p> <p>WGK 1 slightly water endangering self classification</p>
Notification status	<p>US.TSCA : On TSCA Inventory</p> <p>DSL : This product contains the following components listed on the Canadian NDSL. All other components are on the Canadian DSL.</p>

AICS : On the inventory, or in compliance with the inventory
 NZIoC : Not in compliance with the inventory
 ENCS : On the inventory, or in compliance with the inventory
 KECI : On the inventory, or in compliance with the inventory
 PICCS : On the inventory, or in compliance with the inventory
 IECSC : On the inventory, or in compliance with the inventory

Chemical Safety Assessment

No information available

16. Other information

Full text of R-phrases referred to under sections 2 and 3

R22 Harmful if swallowed.
 R36/38 Irritating to eyes and skin.
 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 H-Statements referred to under sections 2 and 3.

H302 Harmful if swallowed.
 H315 Causes skin irritation.
 H317 May cause an allergic skin reaction.
 H319 Causes serious eye irritation.
 H373 May cause damage to organs through prolonged or repeated exposure if swallowed.
 H400 Very toxic to aquatic life.
 H410 Very toxic to aquatic life with long lasting effects.
 H412 Harmful to aquatic life with long lasting effects.

The information provided in this Safety Data Sheet is correct to the best of our knowledge, information and belief at the date of its publication. The information given is designed only as a guidance for safe handling, use, processing, storage, transportation, disposal and release and is not to be considered a warranty or quality specification. The information relates only to the specific material designated and may not be valid for such material used in combination with any other materials or in any process, unless specified in the text.