JB GERMAN OIL Turbo 3000 D Truck Speed 15W-40

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

1.1. Product identifier

Trade name/designation:

JB GERMAN OIL Turbo 3000 D Truck Speed 15W-40

Article No.:
j2039...

UFI:
22MP-JQAC-2P4D-RJWR

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

Supplier (manufacturer/importer/only representative/downstream user/distributor):

JB German Oil GmbH & Co.KG.
Wölzower Weg 13 – 19
19243 Wittenburg
Germany
Telephone: +49 (0) 38852 90620
Telefax: +49 (0) 38852 906220
E-mail: Vertrieb@jb-germanoil.de
Website: www.jb-germanoil.de
E-mail (competent person): vertrieb@jb-germanoil.de

1.4. Emergency telephone number

Abt. Produktsicherheit, 24h: +49 700 24 112 112 (Company ID: LUB) (outside USA/Canada), 011 49 700 24 112 112 (Company ID: LUB) (inside USA/Canada), +49 (0) 38852 90620 (Only available during office hours.)

SECTION 2: Hazards identification

2.1. Classification of the substance or mixture

Classification according to Regulation (EC) No 1272/2008 [CLP]:

Hazard classes and hazard categories	Hazard statements	Classification pro cedure
Respiratory or skin sensitisation *(Skin Sens. 1)*	H317: May cause an allergic skin reaction.	
Serious eye damage/eye irritation *(Eye Irrit. 2)*	H319: Causes serious eye irritation.	

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2.2. Label elements

Labelling according to Regulation (EC) No. 1272/2008 [CLP]

Hazard pictograms:

GHS07
Exclamation mark

Signal word: Warning

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Hazard components for labelling:
Phosphorodithioic acid, mixed O,O-bis(sec-Bu and 1,3-dimethylbutyl) esters, zinc salts; Calcium long chain alkaryl sulfonate; Benzenesulfonic acid, methyl-, mono-C20-24-branched alkyl derivs., Calcium salts

hazard statements for health hazards	
H317	May cause an allergic skin reaction.
H319	Causes serious eye irritation.

Precautionary Statements Prevention	
P261	Avoid breathing dust/fume/gas/mist/vapours/spray.
P280	Wear protective gloves/protective clothing/eye protection/face protection.

Precautionary Statements Response	
P302 + P352	IF ON SKIN: Wash with plenty of soap and water.
P305 + P351 + P338	IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.
P333 + P313	If skin irritation or rash occurs: Get medical advice/attention.
P337 + P313	If eye irritation persists: Get medical advice/attention.

2.3. Other hazards
No data available

SECTION 3: Composition / information on ingredients

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3.2. Mixtures
Hazardous ingredients / Hazardous impurities / Stabilisers:

product identifiers	Substance name Classification according to Regulation (EC) No 1272/2008 [CLP]	Concen-tration
CAS No.: 68784-31-6 **EC No.:** 272-238-5 **REACH No.:** 01-2119657973-23	**Phosphorodithioic acid, mixed O,O-bis(sec-Bu and 1,3-dimethylbutyl) esters, zinc salts** Aquatic Chronic 2, Eye Dam. 1 **Danger** H318-H411	0 – ≤ 1.12 weight-%
CAS No.: 722503-69-7 **EC No.:** 682-812-0	**Calcium long chain alkaryl sulfonate** Aquatic Chronic 4, Skin Sens. 1B **Warning** H317-H413	0 – ≤ 1.12 weight-%
CAS No.: 722503-68-6 **EC No.:** 682-816-2	**Benzenesulfonic acid, methyl-, mono-C20-24-branched alkyl derivs., Calcium salts** Aquatic Chronic 4, Skin Sens. 1B **Warning** H317-H413	0 – ≤ 0.56 weight-%

Full text of H- and EUH-phrases: see section 16.

SECTION 4: First aid measures

4.1. Description of first aid measures
General information:
In case of accident or unwellness, seek medical advice immediately (show directions for use or safety data sheet if possible). Remove victim out of the danger area. Remove contaminated, saturated clothing. If unconscious place in recovery position and seek medical advice. Do not leave affected person unattended.

Following inhalation:
Consult a doctor immediately. Provide fresh air. In case of respiratory tract irritation, consult a physician.

In case of skin contact:
After contact with skin, wash immediately with plenty of water and soap. Consult a doctor immediately. After contact with skin, wash immediately with plenty of water and soap. If skin irritation or rash occurs: Get medical advice/attention. Take off immediately all contaminated clothing.

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After eye contact:
Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. If eye irritation persists: Get medical advice/attention.

After ingestion:
Rinse mouth thoroughly with water. Do NOT induce vomiting. Rinse mouth. Let water be drunken in little sips (dilution effect). Get medical advice/attention if you feel unwell.

Self-protection of the first aider:
Use personal protection equipment.

4.2. Most important symptoms and effects, both acute and delayed
Serious eye damage/eye irritation Allergic reactions

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:
Use water spray jet to protect personnel and to cool endangered containers.

Unsuitable extinguishing media:
Full water jet

5.2. Special hazards arising from the substance or mixture
During heating or in case of fire, toxic gases is possible.

Hazardous combustion products:
Carbon monoxide Carbon dioxide (CO2) Nitrogen oxides (NOx) In case of fire: Gases/vapours, toxic

5.3. Advice for firefighters
In case of fire: Wear self-contained breathing apparatus. Protective clothing. Wear a self-contained breathing apparatus and chemical protective clothing.

5.4. Additional information
Do not inhale explosion and combustion gases. Move undamaged containers from immediate hazard area if it can be done safely. 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
6.1.1. For non-emergency personnel
Personal precautions:
Use personal protection equipment. Special danger of slipping by leaking/spilling product. Remove persons to safety.

Protective equipment:
Wear protective gloves/protective clothing/eye protection/face protection.

6.1.2. For emergency responders
Personal protection equipment:
Personal protection equipment: see section 8

6.2. Environmental precautions
Do not allow to enter into soil/subsoil. Prevent spread over a wide area (e.g. by containment or oil barriers). In case of gas escape or of entry into waterways, soil or drains, inform the responsible authorities. Do not allow to enter into surface water or drains.

6.3. Methods and material for containment and cleaning up
For containment:
Suitable material for taking up: Sand, Kieselguhr, Universal binder, Chemical binding agents, containing acids Absorb with liquid-binding material (sand, diatomaceous earth, acid- or universal binding agents).

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For cleaning up:
Remove from the water surface (e.g. skimming, sucking). Absorb with liquid-binding material (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
Safe handling: see section 7 Personal protection equipment: see section 8 Disposal: see section 13

6.5. Additional information
Clear spills immediately. Use appropriate container to avoid environmental contamination.

SECTION 7: Handling and storage

7.1. Precautions for safe handling

Protective measures

Advices on safe handling:
When using do not eat, drink, smoke, sniff. Wash hands before breaks and after work. Avoid oil mist. Do not put any product-impregnated cleaning rags into your trouser pockets. Wear personal protection equipment (refer to section 8).

Fire prevent measures:
No special fire protection measures are necessary.

Environmental precautions:
See section 8.

Advices on general occupational hygiene
Minimum standard for preventive measures while handling with working materials are specified in the TRGS 500. When using do not eat, drink or smoke. Avoid contact with eyes and skin.

7.2. Conditions for safe storage, including any incompatibilities

Technical measures and storage conditions:
Keep container tightly closed in a cool, well-ventilated place.

Requirements for storage rooms and vessels:
Suitable container/equipment material: Floors should be impervious, resistant to liquids and easy to clean. Shafts and sewers must be protected from entry of the product. Keep/Store only in original container.

Hints on storage assembly:
not required

Storage class: 10 – Combustible liquids that cannot be assigned to any of the above storage classes

Further information on storage conditions:
Store in a cool dry place. Keep away from heat.

7.3. Specific end use(s)

Recommendation:
Observe technical data sheet.

SECTION 8: Exposure controls/personal protection

8.1. Control parameters

8.1.1. Occupational exposure limit values
No data available

8.1.2. Biological limit values
No data available

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8.1.3. DNEL-/PNEC-values

Substance name	DNEL value	① DNEL type ② Exposure route
Lubricating oils (petroleum), C20-50, hydrotreated neutral oil-based, high-viscosity CAS No.: 72623-85-9	2.7 mg/m³	① DNEL worker ② inhalative, long-term, systemic
Lubricating oils (petroleum), C20-50, hydrotreated neutral oil-based, high-viscosity CAS No.: 72623-85-9	5.58 mg/m³	① DNEL worker ② inhalative, long-term, local
Lubricating oils (petroleum), C20-50, hydrotreated neutral oil-based, high-viscosity CAS No.: 72623-85-9	0.97 mg/kg bw/day	① DNEL worker ② dermal, long-term, systemic
Lubricating oils (petroleum), C>25, solvent-extd., deasphalted, dewaxed, hydrogenated CAS No.: 101316-69-2	2.73 mg/m³	① DNEL worker ② inhalative, long-term, systemic
Lubricating oils (petroleum), C>25, solvent-extd., deasphalted, dewaxed, hydrogenated CAS No.: 101316-69-2	5.58 mg/m³	① DNEL worker ② inhalative, long-term, local
Lubricating oils (petroleum), C>25, solvent-extd., deasphalted, dewaxed, hydrogenated CAS No.: 101316-69-2	0.97 mg/kg bw/day	① DNEL worker ② dermal, long-term, systemic
Phosphorodithioic acid, mixed O,O-bis(sec-Bu and 1,3-dimethylbutyl) esters, zinc salts CAS No.: 68784-31-6	2.93 mg/m³	① DNEL worker ② inhalative, long-term, systemic
Lubricating oils (petroleum), C15-30, hydrotreated neutral oil-based CAS No.: 72623-86-0	2.73 mg/m³	① DNEL worker ② inhalative, long-term, systemic
Lubricating oils (petroleum), C15-30, hydrotreated neutral oil-based CAS No.: 72623-86-0	5.58	① DNEL worker ② inhalative, long-term, local
Lubricating oils (petroleum), C15-30, hydrotreated neutral oil-based CAS No.: 72623-86-0	0.97 mg/kg	① DNEL worker ② dermal, long-term, systemic

Substance name	PNEC Value	① PNEC type
Phosphorodithioic acid, mixed O,O-bis(sec-Bu and 1,3-dimethylbutyl) esters, zinc salts CAS No.: 68784-31-6	4 µg/l	① PNEC aquatic, freshwater
Phosphorodithioic acid, mixed O,O-bis(sec-Bu and 1,3-dimethylbutyl) esters, zinc salts CAS No.: 68784-31-6	4.6 µg/l	① PNEC aquatic, marine water
Lubricating oils (petroleum), C15-30, hydrotreated neutral oil-based CAS No.: 72623-86-0	9.99 mg/kg	① PNEC secondary poisoning

8.2. Exposure controls

8.2.1. Appropriate engineering controls

See section 7. No additional measures necessary.

8.2.2. Personal protection equipment

Eye/face protection:

During transfer: Eye glasses Eye glasses with side protection DIN EN 166

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Skin protection:
Hand protection
NBR (Nitrile rubber), PVC (polyvinyl chloride)
Thickness of the glove material: >= 0,4 mm
480
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.
Suitable protective clothing: Protective clothing Tested protective gloves must be worn EN ISO 374
Suitable material: Breakthrough time (maximum wearing time) min In the case of wanting to use the gloves again, clean them before taking off and air them well. Breakthrough times and swelling properties of the material must be taken into consideration.

Respiratory protection:
Usually no personal respirative protection necessary. If technical exhaust or ventilation measures are not possible or insufficient, respiratory protection must be worn. A

8.2.3. Environmental exposure controls
No data available

8.3. Additional information
TLV-ACGIH mineral oil mist, limit 5 mg/m³

SECTION 9: Physical and chemical properties

9.1. Information on basic physical and chemical properties

Appearance
Physical state: Liquid
Colour: tawny
Odour: not determined

Safety relevant basis data

parameter		at °C	Method	Remark
pH	*not determined*			
Melting point	*not determined*			
Freezing point	-33 °C			
Initial boiling point and boiling range	*not determined*			
Decomposition temperature	*not determined*			
Flash point	234 °C			
Evaporation rate	*not determined*			
Auto-ignition temperature	*not determined*			
Upper/lower flammability or explosive limits	*not determined*			
Vapour pressure	*not determined*			
Vapour density	*not determined*			
Density	880 kg/m³	15 °C		
Bulk density	*not determined*			
Water solubility	*not determined*			
Partition coefficient: n-octanol/ water	*not determined*			
Dynamic viscosity	*not determined*			
Kinematic viscosity	103 mm²/s	40 °C		

9.2. Other information
No data available

SECTION 10: Stability and reactivity

10.1. Reactivity
No known hazardous reactions.

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10.2. Chemical stability
The mixture is chemically stable under recommended conditions of storage, use and temperature.

10.3. Possibility of hazardous reactions
No data available

10.4. Conditions to avoid
To avoid thermal decomposition do not overheat.

10.5. Incompatible materials
Materials to avoid: Acid,, Reducing agent

10.6. Hazardous decomposition products
Hazardous combustion products: Carbon dioxide Carbon monoxide Nitrogen oxides (NOx)

SECTION 11: Toxicological information

11.1. Information on toxicological effects

CAS No.	Substance name	Toxicological information
68784-31-6	Phosphorodithioic acid, mixed O,O-bis(sec-Bu and 1,3-dimethylbutyl) esters, zinc salts	**LD_{50} oral:** 2,900 – 3,400 mg/kg (Rat) **LD_{50} dermal:** 5,000 mg/kg (rabbit)
722503-69-7	Calcium long chain alkaryl sulfonate	**LD_{50} oral:** 5,000 mg/kg

Acute oral toxicity:
Based on available data, the classification criteria are not met.

Acute dermal toxicity:
Based on available data, the classification criteria are not met.

Acute inhalation toxicity:
Based on available data, the classification criteria are not met.

Skin corrosion/irritation:
Based on available data, the classification criteria are not met.

Serious eye damage/irritation:
Causes serious eye irritation.

Respiratory or skin sensitisation:
May cause an allergic skin reaction. Contains Calcium long chain alkaryl sulfonate, Benzenesulfonic acid, methyl-, mono-C20-24-branched alkyl derivs., Calcium salts. May produce an allergic reaction.

Germ cell mutagenicity:
Based on available data, the classification criteria are not met.

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

Reproductive toxicity:
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:
No data available

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SECTION 12: Ecological information

12.1. Toxicity

CAS No.	Substance name	Toxicological information
68784-31-6	Phosphorodithioic acid, mixed O,O-bis(sec-Bu and 1,3-dimethylbutyl) esters, zinc salts	**LC_{50}:** 46 mg/l 4 d (fish) **NOEC:** 0.4 – 0.8 mg/l 21 d (crustaceans) **LOEC:** 0.8 mg/l 21 d (crustaceans) **IC_{50}:** 0.53 – 0.8 mg/l 4 d (crustaceans)
722503-69-7	Calcium long chain alkaryl sulfonate	**EC_{50}:** >100 mg/l 2 d (crustaceans)

12.2. Persistence and degradability
No data available

12.3. Bioaccumulative potential
No data available

12.4. Mobility in soil
No data available

12.5. Results of PBT and vPvB assessment

CAS No.	Substance name	Results of PBT and vPvB assessment
68784-31-6	Phosphorodithioic acid, mixed O,O-bis(sec-Bu and 1,3-dimethylbutyl) esters, zinc salts	The substance in the mixture does not meet the PBT/vPvB criteria according to REACH, annex XIII.
722503-69-7	Calcium long chain alkaryl sulfonate	The substance in the mixture does not meet the PBT/vPvB criteria according to REACH, annex XIII.
722503-68-6	Benzenesulfonic acid, methyl-, mono-C20-24-branched alkyl derivs., Calcium salts	The substance in the mixture does not meet the PBT/vPvB criteria according to REACH, annex XIII.

12.6. Other adverse effects
No data available

SECTION 13: Disposal considerations

13.1. Waste treatment methods
Dispose of waste according to applicable legislation.

13.1.1. Product/Packaging disposal
Waste codes/waste designations according to EWC/AVV

Waste code product:

Remark:
The allocation of waste identity numbers/waste descriptions must be carried out according to the EEC, specific to the industry and process.

Waste code packaging:

Remark:
Dispose of waste according to applicable legislation.

Waste treatment options
Appropriate disposal / Product:
Dispose of waste according to applicable legislation. Consult the appropriate local waste disposal expert about waste disposal.

Appropriate disposal / Package:
Non-contaminated packages may be recycled. Completely emptied packages can be recycled.

SECTION 14: Transport information

No dangerous good in sense of these transport regulations.

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Land transport (ADR/RID)	Inland waterway craft (ADN)	Sea transport (IMDG)	
14.1. UN-No.			
No dangerous good in sense of these transport regulations.	No dangerous good in sense of these transport regulations.	No dangerous good in sense of these transport regulations.	
14.2. UN proper shipping name			
No dangerous good in sense of these transport regulations.	No dangerous good in sense of these transport regulations.	No dangerous good in sense of these transport regulations.	
14.3. Transport hazard class(es)			
not relevant			
14.4. Packing group			
not relevant			
14.5. Environmental hazards			
not relevant			
14.6. Special precautions for user			
not relevant			

14.7. Transport in bulk according to Annex II of MARPOL 73/78 and the IBC Code
No

SECTION 15: Regulatory information

15.1. Safety, health and environmental regulations/legislation specific for the substance or mixture

15.1.1. EU legislation

Other regulations (EU):
Safety data sheet available for professional user on request.

15.1.2. National regulations

[DE] National regulations

Störfallverordnung

for substances contained in the product:
E2 Hazardous to the Aquatic Environment in Category Chronic 2

Water hazard class (WGK)

WGK:
2 - deutlich wassergefährdend

Source:
Self-classification (mixture; calculation rule).

Technische Regeln für Gefahrstoffe
TRGS 510
Minimum standard for preventive measures while handling with working materials are specified in the TRGS 500.

Berufsgenossenschaftliche Vorschriften (BGV)
Berufsgenossenschaftliche Regeln (BGR) 190, 192, 195

Other regulations, restrictions and prohibition regulations
Altöl-Verordnung (AltölV)

15.2. Chemical Safety Assessment
Chemical safety assessments for substances in this mixture were not carried out.

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SECTION 16: Other information

16.1. Indication of changes

2.2.	Label elements
3.2.	Mixtures

16.2. Abbreviations and acronyms

For abbreviations and acronyms, see: ECHA Guidance on information requirements and chemical safety assessment, chapter R.20 (Table of terms and abbreviations).

16.3. Key literature references and sources for data

67/548/EEC - Dangerous Substances Directive
1999/45/EEC - Dangerous Preparations Directive
EC 1907/2006 - REACH Regulation
1272/2008 EC - Regulation on classification, labeling and packaging of substances and mixtures, and amending Directives 67/548/EEC and 1999/45/EC and Regulation (EC) No 1907/2006
Regulation (EC) No 1907/2006 (REACH), Annex II
European Chemicals Agency (ECHA), C & L classification and labeling inventory
European Chemicals Agency (ECHA), ECHA CHEM Registered substances
OECD The Global Portal to Information on Chemical Substances (ChemPortal)
Institute for Occupational Safety and Health of the German Social Accident Insurance (IFA): GESTIS substance database and International limit values for chemical substances
Federal Environment Agency, Section IV 2.4: Documentation and Information Centre substances hazardous to water Rigoletto (catalog substances hazardous to water)

16.4. Classification for mixtures and used evaluation method according to regulation (EC) No 1272/2008 [CLP]

Classification according to Regulation (EC) No 1272/2008 [CLP]:

Hazard classes and hazard categories	Hazard statements	Classification pro cedure
Respiratory or skin sensitisation *(Skin Sens. 1)*	H317: May cause an allergic skin reaction.	
Serious eye damage/eye irritation *(Eye Irrit. 2)*	H319: Causes serious eye irritation.	

16.5. Relevant R-, H- and EUH-phrases (Number and full text)

Hazard statements	
H317	May cause an allergic skin reaction.
H318	Causes serious eye damage.
H411	Toxic to aquatic life with long lasting effects.
H413	May cause long lasting harmful effects to aquatic life.

16.6. Training advice

No data available

16.7. Additional 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.

* Data changed compared with the previous version