Engine Oil 5W-30 Article number 101150, 101151, 101152, 101153, 101154



Ferdinand Bilstein GmbH + Co. KG

Date printed 05.03.2024, Revision 05.03.2024

Version 7.0. Supersedes version: 5.0

Page 1 / 17

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

1.1 Product identifier

Engine Oil 5W-30

Article number: 101150, 101151, 101152, 101153, 101154

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

1.2.1 Relevant uses

Engine oil

1.2.2 Uses advised against

None known.

1.3 Details of the supplier of the safety data sheet

Company Ferdinand Bilstein GmbH + Co. KG

Wilhelmstr. 47

58256 Ennepetal / GERMANY Phone +49 2333 911-0 Fax +49 2333 911-444 Homepage www.febi.com E-mail info@febi.com

Address enquiries to

Technical information info@febi.com
Safety Data Sheet info@febi.com

1.4 Emergency telephone number

Advisory body +49 (0)89-19240 (24h) (English)

SECTION 2: Hazards identification

2.1 Classification of the substance or mixture

Skin Sens. 1: H317 May cause an allergic skin reaction.

2.2 Label elements

The product is classified as hazardous in accordance to OSHA Standard 29 CFR 1910.1200

(HCS 2012)

Hazard pictograms

!>

Signal word WARNING

Contains: C14-16-18 Alkyl phenol, CAS: 1190625-94-5

Hazard statements H317 May cause an allergic skin reaction.

Precautionary statements P101 If medical advice is needed, have product container or label at hand.

P102 Keep out of reach of children. P280 Wear protective gloves.

P333+P313 If skin irritation or rash occurs: Get medical advice/attention.

P501 Dispose of contents / container to an appropriate treatment and disposal facility in accordance with applicable laws and regulations, and product characteristics at time of

disposal.

Engine Oil 5W-30 Article number 101150, 101151, 101152, 101153, 101154



Ferdinand Bilstein GmbH + Co. KG

Date printed 05.03.2024, Revision 05.03.2024

Version 7.0. Supersedes version: 5.0

Page 2 / 17

2.3 Other hazards

Physico-chemical hazards No particular hazards known.

Human health dangersFrequent persistent contact with the skin can cause skin irritation.

Environmental hazardsDoes not contain any PBT or vPvB substances.

Contains no ingredients with endocrine-disrupting properties.

Other hazards Further hazards were not determined with the current level of knowledge.

This product is classified as non-hazardous in accordance to OSHA Standard 29 CFR

1910.1200.

SECTION 3: Composition / Information on ingredients

3.1 Substances

Not applicable

3.2 Mixtures

The product is a mixture.

Range [%]	Substance
30 - < 60	Destillates (petroleum), hydrotreated heavy paraffinic (containing < 3% DMSO-extract)
	CAS: 64742-54-7
1 - < 2,5	Zinc bis[O-(6-methylheptyl)] bis[O-(sec-butyl)] bis(dithiophosphate)
	CAS: 93819-94-4
1 - < 2,5	C14-16-18 Alkyl phenol
	CAS: 1190625-94-5
1 - < 2,5	Bis(nonylphenyl)amine
	CAS: 36878-20-3
1 - < 2,5	Distillates (petroleum), solvent-dewaxed heavy paraffinic (< 3% DMSO Extrakt)
	CAS: 64742-65-0
1 - < 2,5	Distillates (petroleum), solvent-dewaxed light paraffinic (containing < 3% DMSO-extract)
	CAS: 64742-56-9

Comment on component parts

For full text of H-statements and R-phrases: see SECTION 16.

SECTION 4: First aid measures

4.1 Description of first aid measures

General information Change soaked clothing.

Inhalation Ensure supply of fresh air.

In the event of symptoms seek medical treatment.

Skin contact In case of contact with skin wash off immediately with soap and water.

Consult a doctor if skin irritation persists.

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.

Ingestion Consult a doctor immediately.

Rinse out mouth and give plenty of water to drink.

Do not induce vomiting.

4.2 Most important symptoms and effects, both acute and delayed

If swallowed or in the event of vomiting, risk of product entering the lungs.

4.3 Indication of any immediate medical attention and special treatment needed

Treat symptomatically.

Forward this sheet to the doctor.

Engine Oil 5W-30 Article number 101150, 101151, 101152, 101153, 101154



Ferdinand Bilstein GmbH + Co. KG

Date printed 05.03.2024, Revision 05.03.2024

Version 7.0. Supersedes version: 5.0

Page 3 / 17

SECTION 5: Fire-fighting measures

5.1 Extinguishing media

Suitable extinguishing media Fire extinguishing method of surrounding areas must be considered.

Foam, dry powder, water spray jet, carbon dioxide

Extinguishing media that must not

be used

Full water jet.

5.2 Special hazards arising from the substance or mixture

Risk of formation of toxic pyrolysis products.

Carbon monoxide (CO) Sulphur oxides (SOx). Nitrogen oxides (NOx). Hydrogen sulfide ((H2S).

5.3 Advice for firefighters

Do not inhale explosion and/or combustion gases.

Use self-contained breathing apparatus.

Fire residues and contaminated firefighting water must be disposed of in accordance within

the local regulations.

SECTION 6: Accidental release measures

6.1 Personal precautions, protective equipment and emergency procedures

High risk of slipping due to leakage/spillage of product.

Forms slippery surfaces with water.

Ensure adequate ventilation.

Use personal protective equipment (protective gloves, safety glasses, protective clothing).

6.2 Environmental precautions

Prevent spread over a wide area (e.g. by containment or oil barriers).

Do not discharge into the drains/surface waters/groundwater.

6.3 Methods and material for containment and cleaning up

Take up with absorbent material (e.g. general-purpose binder).

Dispose of absorbed material in accordance within the regulations.

6.4 Reference to other sections

See SECTION 8+13

SECTION 7: Handling and storage

7.1 Precautions for safe handling

Avoid formation of aerosols.

Do not smoke.

Fire class (DIN EN 2): B

Wash hands before breaks and after work.

Do not eat, drink or smoke when using this product.

Use barrier skin cream.

Take off contaminated clothing and wash before reuse.

Cloths contaminated with product should not be kept in trouser pockets.

Engine Oil 5W-30 Article number 101150, 101151, 101152, 101153, 101154



Ferdinand Bilstein GmbH + Co. KG

Date printed 05.03.2024, Revision 05.03.2024

Version 7.0. Supersedes version: 5.0

Page 4 / 17

7.2 Conditions for safe storage, including any incompatibilities

Keep only in original container. Prevent penetration into the ground.

Do not store together with oxidizing agents.

Do not store together with food and animal food/diet.

Keep container tightly closed. Protect from heat/overheating.

7.3 Specific end use(s)

See product use, SECTION 1.2

Engine Oil 5W-30 Article number 101150, 101151, 101152, 101153, 101154



Ferdinand Bilstein GmbH + Co. KG

Date printed 05.03.2024, Revision 05.03.2024

Version 7.0. Supersedes version: 5.0

Page 5 / 17

SECTION 8: Exposure controls/personal protection

8.1 Control parameters

Ingredients with occupational exposure limits to be monitored (US)

Substance

Destillates (petroleum), hydrotreated heavy paraffinic (containing < 3% DMSO-extract)

CAS: 64742-54-7

Long-term exposure: 5 mg/m³, OSHA, oil mist

DNEL

Substance		
Bis(nonylphenyl)amine, CAS: 36878-20-3		
Industrial, dermal, Long-term - systemic effects, 5 mg/kg bw/day		
general population, dermal, Long-term - systemic effects, 2,5 mg/kg bw/day		
general population, oral, Long-term - systemic effects, 0,25 mg/kg bw/day		
Destillates (petroleum), hydrotreated heavy paraffinic (containing < 3% DMSO-extract), CAS: 64742-54-7		
Industrial, inhalative, Long-term - systemic effects, 2.73 mg/m³		
Industrial, inhalative, Long-term - local effects, 5.58 mg/m³		
Industrial, dermal, Long-term - systemic effects, 970 μg/kg bw/day		
general population, inhalative, Long-term - local effects, 1.19 mg/m³		
general population, oral, Long-term - systemic effects, 740 μg/kg bw/day		
Distillates (petroleum), solvent-dewaxed light paraffinic (containing < 3% DMSO-extract), CAS: 64742-56-9		
Industrial, inhalative, Long-term - systemic effects, 2,73 mg/m³		
Industrial, inhalative, Long-term - local effects, 5,58 mg/m³		
Industrial, dermal, Long-term - systemic effects, 0,97 mg/kg bw/day		
general population, oral, Long-term - systemic effects, 0,74 mg/kg bw/day		
Distillates (petroleum), solvent-dewaxed heavy paraffinic (< 3% DMSO Extrakt), CAS: 64742-65-0		
Industrial, inhalative, Long-term - systemic effects, 2,73 mg/m³		
Industrial, inhalative, Long-term - local effects, 5,58 mg/m³		
Industrial, dermal, Long-term - systemic effects, 970 μg/kg bw/day		
general population, oral, Long-term - local effects, 740 μg/kg bw/day		
Zinc bis[O-(6-methylheptyl)] bis[O-(sec-butyl)] bis(dithiophosphate), CAS: 93819-94-4		
Industrial, inhalative, Long-term - systemic effects, 8,31 mg/m³		
Industrial, dermal, Long-term - systemic effects, 0,58 mg/kg bw/day		
general population, inhalative, Long-term - systemic effects, 2,11 mg/m³		
general population, dermal, Long-term - systemic effects, 0,29 mg/kg bw/day		
general population, oral, Long-term - systemic effects, 0,24 mg/kg bw/day		
C14-16-18 Alkyl phenol, CAS: 1190625-94-5		
Industrial, inhalative, Long-term - systemic effects, 1,17 mg/m³		
Industrial, dermal, Long-term - systemic effects, 300 μg/kg bw/d		

PNEC

Substance	
Bis(nonylphenyl)amine, CAS: 36878-20-3	
freshwater, 412 μg/L	
seawater, 41.2 µg/L	
sediment (freshwater), 1 mg/kg sediment dw	
sediment (seawater), 0.1 mg/kg sediment dw	
Destillates (petroleum), hydrotreated heavy paraffinic (containing < 3% DMSO-extract), CAS: 64742-54-7	

Engine Oil 5W-30 Article number 101150, 101151, 101152, 101153, 101154



Ferdinand Bilstein GmbH + Co. KG

Date printed 05.03.2024, Revision 05.03.2024

Version 7.0. Supersedes version: 5.0

Page 6 / 17

oral (food), 9,33 mg/kg
Distillates (petroleum), solvent-dewaxed light paraffinic (containing < 3% DMSO-extract), CAS: 64742-56-9
oral (food), 9,33 mg/kg food
Distillates (petroleum), solvent-dewaxed heavy paraffinic (< 3% DMSO Extrakt), CAS: 64742-65-0
oral (food), 9,33 mg/kg food
Zinc bis[O-(6-methylheptyl)] bis[O-(sec-butyl)] bis(dithiophosphate), CAS: 93819-94-4
freshwater, 0,004 mg/l
seawater, 0,004 mg/l
sewage treatment plants (STP), 100 mg/l
sediment (freshwater), 0,012 mg/kg dw
sediment (seawater), 0,001 mg/kg dw
soil, 0,005 mg/kg
oral (food), 10,67 mg/kg
C14-16-18 Alkyl phenol, CAS: 1190625-94-5
freshwater, 100 μg/l
seawater, 10 µg/l
sewage treatment plants (STP), 100 mg/l
sediment (freshwater), 4266,16 mg/kg dw
sediment (seawater), 426,62 mg/kg dw
soil, 852,58 mg/kg dw
oral (food), 3,3 mg/kg

8.2 Exposure controls

Additional advice on system design
Ensure adequate ventilation on workstation.

Measurement methods for taking workplace measurements must meet the performance requirements of DIN EN 482. For example, recommendations are given in the IFA's list of

hazardous substances.

Eye protection Safety glasses. (EN 166:2001)

Hand protection The details concerned are recommendations. Please contact the glove supplier for further

information.

> 0,11 mm: Nitrile rubber, >480 min (EN 374-1/-2/-3).

Skin protection Light protective clothing.

Other Personal protective equipment should be selected specifically for the working place,

depending on concentration and quantity handled. The resistance of this equipment to

chemicals should be ascertained with the respective supplier.

Avoid contact with eyes and skin.

Respiratory protection In the event of occupational exposure limits being exceeded or of inadequate ventilation: wear

appropriate respiratory protection.

Short term: filter apparatus, combination filter A-P1. (DIN EN 14387)

Thermal hazards No information available.

Delimitation and monitoring of the

environmental exposition

Comply with applicable environmental regulations limiting discharge to air, water and soil.

Engine Oil 5W-30 Article number 101150, 101151, 101152, 101153, 101154



Ferdinand Bilstein GmbH + Co. KG

Date printed 05.03.2024, Revision 05.03.2024

Version 7.0. Supersedes version: 5.0

Page 7 / 17

SECTION 9: Physical and chemical properties

9.1 Information on basic physical and chemical properties

Physical stateLiquidFormLiquidColorlight brownOdorcharacteristic

Odor threshold No information available.

pH-value Not applicable

pH-value [1%]Boiling point or initial boiling pointNo information available.

and boiling range [°C]

Flash point [°C] >195 (ISO 2592)
Flammability Not applicable

Lower explosion limitNo information available.Upper explosion limitNo information available.

Oxidizing properties No

Vapor pressure/gas pressure [kPa] <0,01 (20°C)

Density [g/cm³] ca. 0,849 (DIN 51757) (15 °C / 59,0 °F)

Relative density

Bulk density [kg/m³]

Not applicable

Solubility in water

Not applicable

virtually insoluble

Solubility other solvents No information available.

Partition coefficient n-octanol/water No information available.

(log value)

Kinematic viscosity ca. 10,1 mm²/s (100°C) (DIN 51562/T1)

>20,5 mm²/s (40°C)

Relative vapour density

No information available.

Melting point [°C]

<-36 (DIN ISO 3016)

Auto-ignition temperature [°C]

No information available.

Decomposition temperature [°C] >65°C

Particle characteristics No information available.

9.2 Other information

Pour point: ca -36°C

SECTION 10: Stability and reactivity

10.1 Reactivity

See SECTION 10.3.

10.2 Chemical stability

Stable under normal ambient conditions (ambient temperature).

10.3 Possibility of hazardous reactions

Reactions with strong oxidizing agents.

10.4 Conditions to avoid

strong acids

Strong heating, because the thermal decomposition starts from > 65°C.

Engine Oil 5W-30 Article number 101150, 101151, 101152, 101153, 101154



Ferdinand Bilstein GmbH + Co. KG

Date printed 05.03.2024, Revision 05.03.2024

Version 7.0. Supersedes version: 5.0

Page 8 / 17

10.5 Incompatible materials

Oxidizing agent Acids Strong basic compounds

10.6 Hazardous decomposition products

In the case of heating following (decomposition) products may occure: Hydrogen sulfide ((H2S).

Engine Oil 5W-30 Article number 101150, 101151, 101152, 101153, 101154



Ferdinand Bilstein GmbH + Co. KG

Date printed 05.03.2024, Revision 05.03.2024

Version 7.0. Supersedes version: 5.0

Page 9 / 17

SECTION 11: Toxicological information

11.1 Information on toxicological effects

Acute oral toxicity

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

Product

ATE-mix, oral, >2000 mg/kg bw

Substance

Bis(nonylphenyl)amine, CAS: 36878-20-3

LD50, oral, Rat, 5000 mg/kg bw

Destillates (petroleum), hydrotreated heavy paraffinic (containing < 3% DMSO-extract), CAS: 64742-54-7

LD50, oral, Rat, 5000 mg/kg bw

Distillates (petroleum), solvent-dewaxed light paraffinic (containing < 3% DMSO-extract), CAS: 64742-56-9

LD50, oral, Rat, >5000 mg/kg bw (OECD 401)

NOAEL, oral, Rat, >1000 mg/kg bw (OECD 421)

Distillates (petroleum), solvent-dewaxed heavy paraffinic (< 3% DMSO Extrakt), CAS: 64742-65-0

LD50, oral, Rat, 5000 mg/kg bw

Zinc bis[O-(6-methylheptyl)] bis[O-(sec-butyl)] bis(dithiophosphate), CAS: 93819-94-4

LD50, oral, Rat, 2600 mg/kg

C14-16-18 Alkyl phenol, CAS: 1190625-94-5

LD50, oral, Rat (female), >2000 mg/kg bw

Acute dermal toxicity

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

Product

ATE-mix, dermal, >2000 mg/kg bw

Substance

Destillates (petroleum), hydrotreated heavy paraffinic (containing < 3% DMSO-extract), CAS: 64742-54-7

LD50, dermal, Rabbit, 2000 - 5 00 mg/kg bw

Distillates (petroleum), solvent-dewaxed light paraffinic (containing < 3% DMSO-extract), CAS: 64742-56-9

LD50, dermal, Rabbit, >5000 mg/kg bw (OECD 403)

NOAEL, dermal, Rat, >2000 mg/kg bw (OECD 414)

Distillates (petroleum), solvent-dewaxed heavy paraffinic (< 3% DMSO Extrakt), CAS: 64742-65-0

LD50, dermal, Rabbit, > 2000 - 5000 mg/kg bw

Zinc bis[O-(6-methylheptyl)] bis[O-(sec-butyl)] bis(dithiophosphate), CAS: 93819-94-4

LD50, dermal, Rabbit, >3160 mg/kg bw/day

C14-16-18 Alkyl phenol, CAS: 1190625-94-5

LD50, dermal, Rat, >2000 mg/kg bw

Acute inhalational toxicity

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

Product

ATE-mix, inhalativ (vapor), >20 mg/L

Substance

Destillates (petroleum), hydrotreated heavy paraffinic (containing < 3% DMSO-extract), CAS: 64742-54-7

LC50, inhalative, Rat, 2.18 - 5.53 mg/L air, 4h

Distillates (petroleum), solvent-dewaxed light paraffinic (containing < 3% DMSO-extract), CAS: 64742-56-9

LC50, inhalative, Rat, >5,53 mg/l air (OECD 403)

Engine Oil 5W-30 Article number 101150, 101151, 101152, 101153, 101154



Ferdinand Bilstein GmbH + Co. KG

Date printed 05.03.2024, Revision 05.03.2024

Version 7.0. Supersedes version: 5.0

Page 10 / 17

Distillates (petroleum), solvent-dewaxed heavy paraffinic (< 3% DMSO Extrakt), CAS: 64742-65-0

LC50, inhalative, Rat, 2,18 - 5,53 mg/L air 4h, 4h

Zinc bis[O-(6-methylheptyl)] bis[O-(sec-butyl)] bis(dithiophosphate), CAS: 93819-94-4

LC50, inhalative, Rat, >2 mg/l

Serious eye damage/irritation

No classification due to substance-specific concentration limits.

CAS 93819-94-4: >10% - <12,5% Eye Irrit. 2

Substance

Distillates (petroleum), solvent-dewaxed light paraffinic (containing < 3% DMSO-extract), CAS: 64742-56-9

Eye, non-irritating

Distillates (petroleum), solvent-dewaxed heavy paraffinic (< 3% DMSO Extrakt), CAS: 64742-65-0

Eye, non-irritating

Skin corrosion/irritation Based on the information available, the classification criteria have not been fulfilled.

Substance

Distillates (petroleum), solvent-dewaxed light paraffinic (containing < 3% DMSO-extract), CAS: 64742-56-9

dermal, non-irritating

Distillates (petroleum), solvent-dewaxed heavy paraffinic (< 3% DMSO Extrakt), CAS: 64742-65-0

dermal, non-irritating

Respiratory or skin sensitisation May cause an allergic skin reaction.

Substance

Distillates (petroleum), solvent-dewaxed light paraffinic (containing < 3% DMSO-extract), CAS: 64742-56-9

dermal, non-sensitizing

Distillates (petroleum), solvent-dewaxed heavy paraffinic (< 3% DMSO Extrakt), CAS: 64742-65-0

dermal, non-sensitizing

Specific target organ toxicity — single exposure

Based on the information available, the classification criteria have not been fulfilled.

Specific target organ toxicity — repeated exposure

Based on the information available, the classification criteria have not been fulfilled.

Substance

Bis(nonylphenyl)amine, CAS: 36878-20-3

NOEL, oral, Rat, 100 mg/kg bw/day

Destillates (petroleum), hydrotreated heavy paraffinic (containing < 3% DMSO-extract), CAS: 64742-54-7

NOAEL, dermal, Rat, 30 - 2000 mg/kg bw/day

NOAEL, dermal, Rabbit, 1000 mg/kg bw/day

NOAEC, inhalative, Rat, 980 mg/m³ air

LOAEL, oral, Rat, 125 mg/kg bw/day

Distillates (petroleum), solvent-dewaxed light paraffinic (containing < 3% DMSO-extract), CAS: 64742-56-9

NOAEC, inhalative, Rat, 980 mg/m³, no adverse effect observed

LOAEL, oral, Rat, 125 mg/kg bw/day, adverse effect observed

Distillates (petroleum), solvent-dewaxed heavy paraffinic (< 3% DMSO Extrakt), CAS: 64742-65-0

NOAEL, inhalative, Rat, 980 mg/m³ air, no adverse effect observed

LOAEL, dermal, mouse, 100 mg/kg bw/day, The effects observed are not sufficient for classification.

LOAEL, oral, Rat, 125 mg/kg bw/day, The effects observed are not sufficient for classification.

C14-16-18 Alkyl phenol, CAS: 1190625-94-5

NOAEL, oral, Rat, 30 - 100 mg/kg bw/day

Engine Oil 5W-30 Article number 101150, 101151, 101152, 101153, 101154



Ferdinand Bilstein GmbH + Co. KG

Date printed 05.03.2024, Revision 05.03.2024

Version 7.0. Supersedes version: 5.0

Page 11 / 17

Mutagenicity

Based on the information available, the classification criteria have not been fulfilled.

Substance

Distillates (petroleum), solvent-dewaxed light paraffinic (containing < 3% DMSO-extract), CAS: 64742-56-9

in vitro, negativ

Distillates (petroleum), solvent-dewaxed heavy paraffinic (< 3% DMSO Extrakt), CAS: 64742-65-0

in vitro, negativ

Reproduction toxicity

Based on the information available, the classification criteria have not been fulfilled.

- Fertility

Substance

Destillates (petroleum), hydrotreated heavy paraffinic (containing < 3% DMSO-extract), CAS: 64742-54-7

NOAEL, oral, Rat, 1000 mg/kg bw/d (Effect on fertility), no adverse effect observed

Distillates (petroleum), solvent-dewaxed light paraffinic (containing < 3% DMSO-extract), CAS: 64742-56-9

NOAEL, oral, Rat, 1000 mg/kg bw/day, In vivo study, negativ

Distillates (petroleum), solvent-dewaxed heavy paraffinic (< 3% DMSO Extrakt), CAS: 64742-65-0

NOAEL, oral, Rat, 1000 mg/kg bw/d, no adverse effect observed

- Development

Substance

Destillates (petroleum), hydrotreated heavy paraffinic (containing < 3% DMSO-extract), CAS: 64742-54-7

NOAEL, oral, Rat, 1000 mg/kg bw/d (Effect on fertility), no adverse effect observed

Distillates (petroleum), solvent-dewaxed light paraffinic (containing < 3% DMSO-extract), CAS: 64742-56-9

NOAEL, oral, Rat, 1000 mg/kg bw/day, In vivo study, negativ

Carcinogenicity

Based on the information available, the classification criteria have not been fulfilled.

Aspiration hazard

Based on the information available, the classification criteria have not been fulfilled.

General remarks

Toxicological data of complete product are not available.

Engine Oil 5W-30 Article number 101150, 101151, 101152, 101153, 101154



Ferdinand Bilstein GmbH + Co. KG

Date printed 05.03.2024, Revision 05.03.2024

Version 7.0. Supersedes version: 5.0

Page 12 / 17

SECTION 12: Ecological information

12.1 Toxicity

Substance	
Bis(nonylphenyl)amine, CAS: 36878-20-3	
EC50, (48h), Invertebrates, 100 mg/L	
EL50, (72h), Algae, 100 mg/L	
NOELR, (21d), Invertebrates, 4.45 mg/L	
NOELR, (33d), fish, 10 mg/L	
Destillates (petroleum), hydrotreated heavy paraffinic (containing < 3% DMSO-extract), CAS: 64742-54-7	
EL50, (48h), Invertebrates, 10 g/L	
NOELR, (14d), fish, 1 mg/L	
LL50, (96h), Invertebrates, 10 g/L	
LL50, (96h), fish, 100 mg/L	
Distillates (petroleum), solvent-dewaxed light paraffinic (containing < 3% DMSO-extract), CAS: 64742-56-9	
EL50, (24h), Daphnia magna, >10000 mg/l (OECD 202)	
LL50, (96h), Pimephales promelas, >100 mg/l (OECD 203)	
NOEL, (21d), Daphnia magna, 10 mg/l (OECD 211)	
NOEL, (72h), Pseudokirchneriella subcapitata, >100 mg/l (OECD 201)	
Distillates (petroleum), solvent-dewaxed heavy paraffinic (< 3% DMSO Extrakt), CAS: 64742-65-0	
NOELR, (14d), fish, 1 g/L	
LL50, (96h), Invertebrates, 10 g/L	
LL50, (96h), fish, 100 mg/L	
Zinc bis[O-(6-methylheptyl)] bis[O-(sec-butyl)] bis(dithiophosphate), CAS: 93819-94-4	
EC50, (48h), Daphnia magna, 5,4 mg/l (OECD 202)	
EC50, (72h), Selenastrum capricornutum, 2,1 mg/l	
EC50, (3h), Activated sludge, >10000 mg/l	
IC50, (21d), Daphnia magna, >0,8 mg/l	
LL50, (96h), Oncorhynchus mykiss, 4,5 mg/l	
C14-16-18 Alkyl phenol, CAS: 1190625-94-5	
LC50, (96h), Cyprinus carpio, >100 mg/l	
EC50, (24h), Daphnia magna, >100 mg/l	
EC50, (72h), Pseudokirchneriella subcapitata, >100 mg/l	
NOEC, (72h), Pseudokirchneriella subcapitata, 100 mg/l	
NOELR, (24h), Daphnia magna, >100 mg/l	

12.2 Persistence and degradability

Behaviour in environment

compartments

Behaviour in sewage plant

Can be separated out mechanically in purification plants.

Biological degradability The product is not readily biodegradable.

12.3 Bioaccumulative potential

No information available.

12.4 Mobility in soil

No information available.

Engine Oil 5W-30 Article number 101150, 101151, 101152, 101153, 101154



Ferdinand Bilstein GmbH + Co. KG

Date printed 05.03.2024, Revision 05.03.2024

Version 7.0. Supersedes version: 5.0

Page 13 / 17

12.5 Results of PBT and vPvB assessment

Based on all available information not to be classified as PBT or vPvB respectively.

12.6 Endocrine disrupting properties

Contains no ingredients with endocrine-disrupting properties.

12.7 Other adverse effects

Ecological data of complete product are not available.

Do not discharge product unmonitored into the environment or into the drainage.

SECTION 13: Disposal considerations

13.1 Waste treatment methods

Product

Coordinate disposal with the authorities if necessary.

Disposal in an incineration plant in accordance with the regulations of the local authorities.

In according to RoHS!

Contaminated packaging

Uncontaminated packaging may be taken for recycling.

Packaging that cannot be cleaned should be disposed of as for product.

RCRA Hazard Class (40CFR 261)

Waste must be disposed of in accordance with federal, state and local environmental control

regulations. Consult your local or regional authorities.

SECTION 14: Transport

14.1 UN number

Transport by land according to

ADR/RID

Not applicable

Inland navigation (ADN) Not applicable

Marine transport in accordance with Not applicable

IMDG

Air transport in accordance with IATA Not applicable

DOT Road Shipment Information (49 Not applicable

CFR)

Engine Oil 5W-30 Article number 101150, 101151, 101152, 101153, 101154



Ferdinand Bilstein GmbH + Co. KG

Date printed 05.03.2024, Revision 05.03.2024

Version 7.0. Supersedes version: 5.0

Page 14 / 17

14.2 UN proper shipping name

Transport by land according to

ADR/RID

NO DANGEROUS GOODS

Inland navigation (ADN)

NO DANGEROUS GOODS

IMDG

Marine transport in accordance with NOT CLASSIFIED AS "DANGEROUS GOODS"

Air transport in accordance with IATA NOT CLASSIFIED AS "DANGEROUS GOODS"

DOT Road Shipment Information (49 Not applicable

CFR)

14.3 Transport hazard class(es)

Transport by land according to

ADR/RID

Not applicable

Inland navigation (ADN)

Not applicable

Marine transport in accordance with Not applicable

IMDG

Air transport in accordance with IATA Not applicable

DOT Road Shipment Information (49 Not applicable

CFR)

14.4 Packing group

Transport by land according to

ADR/RID

Not applicable

Inland navigation (ADN)

Not applicable

Marine transport in accordance with Not applicable

IMDG

Air transport in accordance with IATA Not applicable

DOT Road Shipment Information (49 Not applicable

CFR)

Engine Oil 5W-30 Article number 101150, 101151, 101152, 101153, 101154



Ferdinand Bilstein GmbH + Co. KG

Date printed 05.03.2024, Revision 05.03.2024

Version 7.0. Supersedes version: 5.0

Page 15 / 17

14.5 Environmental hazards

Transport by land according to

ADR/RID

No

Inland navigation (ADN)

No

Marine transport in accordance with

IMDG

Air transport in accordance with IATA No

DOT Road Shipment Information (49 No

CFR)

14.6 Special precautions for user

Relevant information under SECTION 6 to 8.

14.7 Transport in bulk according to Annex II of MARPOL and the IBC Code

Not applicable

SECTION 15: Regulatory information

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

US Regulations

National regulations 29 CFR 1910.1200-HCS 2012, OSHA-PEL, ACGIH-TLV, NTP, IARC, SARA Title III, NFPA,

TSCA, California - Prop. 65

- SARA, 302 This product does not contain any ingredients regulated under this list.
 - SARA, 311 This product does not contain any ingredients regulated under this list.
 - SARA, 313 This product does not contain any ingredients regulated under this list.

- CA Proposition 65 No components require labeling under California Proposition 65.

- TSCA All chemical substances in this material are included on or exempted from listing on the TSCA

Inventory.

- FDA Not applicable

American Conference of A4: Not cl

Governmental Industrial Hygienists - ACGIH

A4: Not classifiable as a human carcinogen.

International Agency for Research on IARC: Not classifiable as to carcenogenicity to humans.

Cancer IARC

National Toxicology Program - NTP This product is not named NTP - National Toxicology Program.

HAP-VOC Not applicable

Transport-regulations DOT-Classification, ADR (2023); IMDG-Code (2023, 41. Amdt.); IATA-DGR (2024)

15.2 Chemical safety assessment

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

Engine Oil 5W-30 Article number 101150, 101151, 101152, 101153, 101154



Ferdinand Bilstein GmbH + Co. KG

Date printed 05.03.2024, Revision 05.03.2024

Version 7.0. Supersedes version: 5.0

Page 16 / 17

SECTION 16: Other information

16.1 Abbreviations and acronyms:

ACGIH = American Conference of Governmental Industrial Hygienists;

ADR = Accord européen relatif au transport international des marchandises Dangereuses par Route;

RID = Règlement concernant le transport international ferroviaire de marchandises dangereuses;

ADN = Accord européen relatif au transport international des marchandises dangereuses par voie de navigation intérieure;

CAS = Chemical Abstracts Service;

CERCLA = Comprehensive Environmental Response, Compensation and Liability Act;

CFR = Code of Federal Regulations;

CPR = Controlled Products Regulations;

DMEL = Derived Minimum Effect Level;

DNEL = Derived No Effect Level;

DOT = Department of Transportation;

EC50 = Median effective concentration;

EPA = Environmental Protection Agency;

GHS = Globally Harmonized System of Classification and Labelling of Chemicals;

IATA = International Air Transport Association;

IBC-Code = International Code for the Construction and Equipment of Ships carrying

Dangerous Chemicals in Bulk;

IC50 = Inhibition concentration, 50%;

IMDG = International Maritime Code for Dangerous Goods;

IARC = International Agency of Research on Cancer;

IATA = International Air Transport Association;

TSCA = Toxic Substance Control Act;

HMIS = Hazardous Materials Identification System;

NFPA = National Fire Protection Association;

NIOSH = National Institute for Occupational Safety and Health;

OSHA = Occupational Safety and Health Administration;

LC50 = Lethal concentration, 50%;

LD50 = Median lethal dose, 50%;

MARPOL = International Convention for the Prevention of Marine Pollution from Ships;

PBT = Persistent, Bioaccumulative and Toxic substance;

PNEC = Predicted No-Effect Concentration;

REACH = Registration, Evaluation, Authorisation and Restriction of Chemicals;

SARA = Superfund Amendments and Reauthorization Act;

TLV®/TWA = Threshold limit value – time-weighted average; TLV®STEL = Threshold limit value – short-time exposure limit;

VOC = Volatile Organic Compounds;

vPvB = very Persistent and very Bioaccumulative;

16.2 Ratings

Engine Oil 5W-30 Article number 101150, 101151, 101152, 101153, 101154



Ferdinand Bilstein GmbH + Co. KG

Date printed 05.03.2024, Revision 05.03.2024

Version 7.0. Supersedes version: 5.0

Page 17 / 17

NFPA Ratings



TOP, FLAMMABILITY: 1 - Slight Hazard LEFT, HEALTH: 1 - Slight Hazard RIGHT, REACTIVITY: 0 - Minimal Hazard BOTTOM, SPECIAL NOTICE: None

HMIS Ratings



- 1 Slight Hazard
- 1 Slight Hazard
- 0 Minimal Hazard
- X Personal protection rating to be supplied by user depending on use conditions

PERSONAL PROTECTION:

- A Safety Glasses
- B Safety Glasses and Gloves
- C Safety Glasses, Gloves and Protection Apron
- D Face Shield, Gloves and Protection Apron
- E Safety Glasses, Gloves and Dust Respirator
- F Safety Glasses, Gloves, Protection Apron and Dust Respirator
- G Safety Glasses, Gloves and Vapor Respirator.
- H Splash Goggles, Gloves, Protection Apron and Vapor Respirator.
- I Safety Glasses, Gloves, Dust Respirator and Vapor Respirator.
- J Splash Goggles, Gloves, Protection Apron, Dust Respirator and Vapor Respirator.
- K Airline Mask or Hood, Gloves, Full Suit and Boots.
- X Personal protection rating to be supplied by user depending on use conditions

Modified position

1.3, 3.2, 5.1, 6.1, 8.1, 8.2, 9.1, 11.1, 11.2, 12.6, 12.7, 15.1, 16.2, 16.3