

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

1.1 Product identifier

**Engine Oil SAE 5W-30 Longlife Plus SQ
Article number: 1004390**

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

Call NHS 111 or a doctor

SECTION 2: Hazards identification

2.1 Classification of the substance or mixture [REGULATION (GB) CLP]

No classification.

2.2 Label elements

The product is required to be labelled in accordance with regulation CLP.

Hazard pictograms

none

Signal word

none

Hazard statements

none

Precautionary statements

none

Special labelling

EUH210 Safety data sheet available on request.

Contains: Calcium sulfonate, Calcium sulfonate, borated. EUH208 May produce an allergic reaction.

2.3 Other hazards

Physico-chemical hazards

No particular hazards known.

Human health dangers

The substance/mixture does not contain components considered to have endocrine disrupting properties according to REACH Article 57(f) or Commission Delegated regulation (EU) 2017/2100 or Commission Regulation (EU) 2018/605 at levels of 0.1% or higher.

Environmental hazards

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 hazards

none

SECTION 3: Composition / Information on ingredients

3.1 Substances

not applicable

3.2 Mixtures

The product is a mixture.

| Range [%] | Substance |
|-----------|---|
| 20 - < 50 | Lubricating oils (petroleum), C20-50, hydrotreated neutral oil-based CAS: 72623-87-1, EINECS/ELINCS: 276-738-4, EU-INDEX: 649-483-00-5, Reg-No.: 01-2119474889-13-XXXX GHS/CLP: Asp. Tox. 1: H304 |
| 0,1 - < 1 | Calcium sulfonate, borated EINECS/ELINCS: Polymer GHS/CLP: Skin Sens. 1B: H317 - Repr. 2: H361d SCL [%]: >= 2: Skin Sens. 1B: H317, >= 17,15: Repr. 2: H361d |
| 0,1 - < 1 | Calcium sulfonate EINECS/ELINCS: Polymer GHS/CLP: Skin Sens. 1B: H317 SCL [%]: >= 2: Skin Sens. 1B: H317 |

Comment on component parts For full text of H-statements: see SECTION 16.
 Contains less than 3 % w/w DMSO-extract (only for mineral oils).

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 | Do not induce vomiting. Rinse out mouth and give plenty of water to drink. Get medical advice. |

4.2 Most important symptoms and effects, both acute and delayed

Irritant effects

4.3 Indication of any immediate medical attention and special treatment needed

If swallowed or in the event of vomiting, risk of product entering the lungs.
 Treat symptomatically.
 Forward this sheet to your doctor.

SECTION 5: Fire-fighting measures

5.1 Extinguishing media

| | |
|--|---|
| Suitable extinguishing media | 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

Not combusted hydrocarbons.
 Risk of formation of toxic pyrolysis products.
 Carbon monoxide (CO)

5.3 Advice for firefighters

Use self-contained breathing apparatus.
 Fire residues and contaminated firefighting water must be disposed of in accordance with 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.

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 residues with absorbent material (e.g. sand).
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

No special measures necessary if used correctly.
Avoid formation of aerosols.
The product is combustible.
Do not eat, drink or smoke when using this product.
Use barrier skin cream.
Wash hands before breaks and after work.
Contaminated work clothing should not be allowed out of the workplace.
Take off contaminated clothing and wash before reuse.

7.2 Conditions for safe storage, including any incompatibilities

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

SECTION 8: Exposure controls / personal protection

8.1 Control parameters

Ingredients with occupational exposure limits to be monitored (UK)

not relevant

Ingredients with occupational exposure limits to be monitored EU (2004/37/EG)

not relevant

DNEL

| |
|---|
| Substance |
| Lubricating oils (petroleum), C20-50, hydrotreated neutral oil-based, CAS: 72623-87-1 |
| Industrial, inhalative, Long-term - systemic effects, 2.73 mg/m ³ |
| Industrial, inhalative, Long-term - local effects, 5.58 mg/m ³ |
| Industrial, dermal, Long-term - systemic effects, 970 µg/kg bw/day |
| general population, oral, Long-term - systemic effects, 0.74mg/kg bw/day |

PNEC

| |
|---|
| Substance |
| Lubricating oils (petroleum), C20-50, hydrotreated neutral oil-based, CAS: 72623-87-1 |
| oral (food), 9.33 mg/kg food |

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. General exposure limit for oil mist should be noted. |
| Eye protection | If there is a risk of splashing: safety glasses (EN 166:2001) |
| Hand protection | The details concerned are recommendations. Please contact the glove supplier for further information. > 0,4 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 | Not required under normal conditions. In the event of occupational exposure limits being exceeded or of inadequate ventilation: wear appropriate respiratory protection. |
| Thermal hazards | No information available. |
| Delimitation and monitoring of the environmental exposition | Comply with applicable environmental regulations limiting discharge to air, water and soil. |

SECTION 9: Physical and chemical properties

9.1 Information on basic physical and chemical properties

| | |
|--|--------------------------------------|
| Physical state | liquid |
| Form | liquid |
| Color | light brown |
| Odor | characteristic |
| Odour threshold | not relevant |
| pH-value | not applicable |
| pH-value [1%] | not applicable |
| Boiling point or initial boiling point and boiling range [°C] | No information available. |
| Flash point [°C] | 254 |
| Flammability | Not highly flammable. Combustible |
| Lower explosion limit | not applicable |
| Upper explosion limit | not applicable |
| Oxidising properties | no |
| Vapour pressure/gas pressure [kPa] | No information available. |
| Density [g/cm³] | 0,85 (DIN 51757) (15 °C / 59,0 °F) |
| Relative density | No information available. |
| Bulk density [kg/m³] | not applicable |
| Solubility in water [g/L] | immiscible |
| Solubility other solvents | No information available. |
| Partition coefficient n-octanol/water (log value) | No information available. |
| Kinematic viscosity | 70,87 mm ² /s (40° C) |
| Relative vapour density | No information available. |
| Melting point [°C] | No information available. |
| Auto-ignition temperature [°C] | No information available. |
| Decomposition temperature [°C] | No information available. |
| Particle characteristics | not applicable |

9.2 Other information

none

SECTION 10: Stability and reactivity

10.1 Reactivity

No dangerous reactions known if used as directed.

10.2 Chemical stability

Stable under normal ambient conditions (ambient temperature).

10.3 Possibility of hazardous reactions

No dangerous reactions known if used as directed.

10.4 Conditions to avoid

Strong heating.

10.5 Incompatible materials

Strong oxidizing agent.
Strong bases
Strong acids.

10.6 Hazardous decomposition products

No hazardous decomposition products known.

SECTION 11: Toxicological information

11.1 Information on hazard classes as defined in Regulation (EC) No 1272/2008

Acute oral toxicity

| |
|--|
| Product |
| oral, Based on the available information, the classification criteria are not fulfilled. |
| Substance |
| Lubricating oils (petroleum), C20-50, hydrotreated neutral oil-based, CAS: 72623-87-1 |
| LD50, oral, Rat, > 5000 mg/kg bw |

Acute dermal toxicity

| |
|--|
| Product |
| dermal, Based on the available information, the classification criteria are not fulfilled. |
| Substance |
| Lubricating oils (petroleum), C20-50, hydrotreated neutral oil-based, CAS: 72623-87-1 |
| LD50, dermal, Rabbit, > 5000 mg/kg bw |

Acute inhalational toxicity

| |
|--|
| Product |
| inhalative, Based on the available information, the classification criteria are not fulfilled. |
| Substance |
| Lubricating oils (petroleum), C20-50, hydrotreated neutral oil-based, CAS: 72623-87-1 |
| LC50, inhalative, Rat, > 5 mg/L, 4h |

Serious eye damage/irritation Based on the available information, the classification criteria are not fulfilled.

| |
|---|
| Substance |
| Lubricating oils (petroleum), C20-50, hydrotreated neutral oil-based, CAS: 72623-87-1 |
| Eye, non-irritating |

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

| |
|---|
| Substance |
| Lubricating oils (petroleum), C20-50, hydrotreated neutral oil-based, CAS: 72623-87-1 |
| dermal, non-irritating |

Respiratory or skin sensitisation Based on the available information, the classification criteria are not fulfilled.

| |
|---|
| Substance |
| Lubricating oils (petroleum), C20-50, hydrotreated neutral oil-based, CAS: 72623-87-1 |
| dermal, non-sensitizing |

Specific target organ toxicity — single exposure Based on the available information, the classification criteria are not fulfilled.

Specific target organ toxicity — repeated exposure Based on the available information, the classification criteria are not fulfilled.

| |
|---|
| Substance |
| Lubricating oils (petroleum), C20-50, hydrotreated neutral oil-based, CAS: 72623-87-1 |
| NOAEC, inhalative, Rat, 980 mg/m ³ air |
| LOAEL, oral, Rat, 125 mg/kg bw/day |

Mutagenicity Based on the available information, the classification criteria are not fulfilled.

| |
|---|
| Substance |
| Lubricating oils (petroleum), C20-50, hydrotreated neutral oil-based, CAS: 72623-87-1 |

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Date printed 06.10.2025, Revision 06.10.2025

Version 1.0 Page 7 / 10

in vitro, negativ

Reproduction toxicity Based on the available information, the classification criteria are not fulfilled.

- Fertility

| |
|---|
| Substance |
| Lubricating oils (petroleum), C20-50, hydrotreated neutral oil-based, CAS: 72623-87-1 |
| NOAEL, oral, Rat, 1000 mg/kg bw/day |

- Development No information available.

Carcinogenicity Based on the available information, the classification criteria are not fulfilled.

Aspiration hazard Based on the available information, the classification criteria are not fulfilled.

General remarks

Toxicological data of complete product are not available.
The toxicity data listed pertaining to the ingredients are intended for those working in the medicinal professions, experts for occupational health and safety and toxicologists.

11.2 Information on other hazards

11.2.1 Endocrine disrupting properties The substance/mixture does not contain components considered to have endocrine disrupting properties according to REACH Article 57(f) or Commission Delegated regulation (EU) 2017/2100 or Commission Regulation (EU) 2018/605 at levels of 0.1% or higher.

11.2.2 Other information none

SECTION 12: Ecological information

Product

12.1 Toxicity

Based on the available information, the classification criteria are not fulfilled.

| |
|---|
| Substance |
| Lubricating oils (petroleum), C20-50, hydrotreated neutral oil-based, CAS: 72623-87-1 |
| EL50, (48h), Invertebrates, > 10000 mg/L |
| LL50, (4d), Fish, > 100 mg/L |

12.2 Persistence and degradability

Behaviour in environment compartments not determined

Behaviour in sewage plant not determined

Biological degradability not determined

| |
|---|
| Substance |
| Lubricating oils (petroleum), C20-50, hydrotreated neutral oil-based, CAS: 72623-87-1 |
| (28d), 1 - 4 %, OECD 301 B, The product is not readily biodegradable. |

12.3 Bioaccumulative potential

No information available.

12.4 Mobility in soil

No information available.

12.5 Results of PBT and vPvB assessment

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



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Date printed 06.10.2025, Revision 06.10.2025

Version 1.0 Page 8 / 10

12.6 Endocrine disrupting properties

The substance/mixture does not contain components considered to have endocrine disrupting properties according to REACH Article 57(f) or Commission Delegated regulation (EU) 2017/2100 or Commission Regulation (EU) 2018/605 at levels of 0.1% or higher.

12.7 Other adverse effects

No classification on the basis of the calculation procedure of the preparation directive.

SECTION 13: Disposal considerations

13.1 Waste treatment methods

Waste material must be disposed of in accordance with the Directive on waste 2008/98/EC as well as other national and local regulations. It is not possible to determine a waste code for this product in accordance with the European Waste Catalogue (EWC) since it is only possible to classify it according to how it is used by the customer. The waste code is to be determined within the EU in liaison with the waste-disposal operator.

Product

In according to RoHS!
Disposal in an incineration plant in accordance with the regulations of the local authorities.
For recycling, consult manufacturer.

Waste no. (recommended)

130205* mineral-based non-chlorinated engine, gear and lubricating oils

Contaminated packaging

Uncontaminated packaging may be taken for recycling.
Packaging that cannot be cleaned should be disposed of as for product.

Waste no. (recommended)

150102
150104
150110* packaging containing residues of or contaminated by hazardous substances

SECTION 14: Transport information

14.1 UN number or ID number

Transport by land according to ADR/RID not applicable

Inland navigation (ADN) not applicable

Marine transport in accordance with IMDG not applicable

Air transport in accordance with IATA not applicable

14.2 UN proper shipping name

Transport by land according to ADR/RID NO DANGEROUS GOODS

Inland navigation (ADN) NO DANGEROUS GOODS

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

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

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 IMDG | not applicable |
| Air transport in accordance with IATA | not applicable |

14.4 Packing group

| | |
|--|----------------|
| Transport by land according to ADR/RID | not applicable |
| Inland navigation (ADN) | not applicable |
| Marine transport in accordance with IMDG | not applicable |
| Air transport in accordance with IATA | not applicable |

14.5 Environmental hazards

| | |
|--|----|
| Transport by land according to ADR/RID | no |
| Inland navigation (ADN) | no |
| Marine transport in accordance with IMDG | no |
| Air transport in accordance with IATA | no |

14.6 Special precautions for user

Relevant information under SECTION 6 to 8.

14.7 Maritime transport in bulk according to IMO instruments

SECTION 15: Regulatory information

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

| | |
|--|---|
| EEC-REGULATIONS | 2008/98/EG (2000/532/EC); 2010/75/EU; 2004/42/EG; (EG) 648/2004; (EC) 1907/2006 (REACH); (EU) 1272/2008; 75/324/EWG ((EC) 2016/2037); (EU) 2020/878; (EU) 2016/131; (EU) 2024/573; (EU) 2019/1148; (EU) 2019/1021, (EU) 2023/707 |
| - Comment on component parts | Substances of Very High Concern - SVHC: substances are not contained or are below 0.1%. |
| - Annex XIV (REACH) | According to Annex XIV of Regulation (EC) 1907/2006 (REACH) the product does not contain any substances \geq 0.1% that are subject to authorisation. |
| - Annex XVII (REACH) | According to Annex XVII of Regulation (EC) 1907/2006 (REACH) the product contains \geq 0.1% of substances with the following restrictions. 75 |
| TRANSPORT-REGULATIONS | ADR (2025); IMDG-Code (2025, 42. Amdt.); IATA-DGR (2025) |
| NATIONAL REGULATIONS (UK): | EH40/2005 Workplace exposure limits (Second edition, published December 2011); UK REACH; GB CLP. |
| - Observe employment restrictions for people | no |
| - VOC (2010/75/CE) | 0% |

15.2 Chemical safety assessment

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

SECTION 16: Other information

16.1 Hazard statements (SECTION 3)

H361d Suspected of damaging the unborn child.
H317 May cause an allergic skin reaction.
H304 May be fatal if swallowed and enters airways.

16.2 Abbreviations and acronyms:

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
ATE = acute toxicity estimate
CAS = Chemical Abstracts Service
CLP = Classification, Labelling and Packaging
DMEL = Derived Minimum Effect Level
DNEL = Derived No Effect Level
EC50 = Median effective concentration
ECB = European Chemicals Bureau
EEC = European Economic Community
EINECS = European Inventory of Existing Commercial Chemical Substances
EL50 = Median effective loading
ELINCS = European List of Notified Chemical Substances
EmS = Emergency Schedules
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
IUCLID = International Uniform Chemical Information Database
IVIS = In vitro irritation score
LC50 = Lethal concentration, 50%
LD50 = Median lethal dose
LC0 = lethal concentration, 0%
LOAEL = lowest-observed-adverse-effect level
LL50 = Median lethal loading
LQ = Limited Quantities
MARPOL = International Convention for the Prevention of Marine Pollution from Ships
NOAEL = No Observed Adverse Effect Level
NOEC = No Observed Effect Concentration
PBT = Persistent, Bioaccumulative and Toxic substance
PNEC = Predicted No-Effect Concentration
REACH = Registration, Evaluation, Authorisation and Restriction of Chemicals
STP = Sewage Treatment Plant
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

16.3 Other information

Modified position none