



Ferdinand Bilstein GmbH + Co. KG

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**SECTION 1: Identification of the substance / preparation and of the company****1.1 Product identifier**

**febi 32941 Engine Oil "Longlife"**  
**Article number 32941, 32942, 32943, 32944**

**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**

sdb@chemiebuero.de

**1.4 Emergency phone****Advisory body** +49 (0) 89-19240 (24h)**Company** +49 2333 911-0**SECTION 2: Hazards identification****2.1 Classification of the substance or mixture****2.1.1 Classification according to Regulation (EC) No 1272/2008 [CLP]****Hazard pictograms**

not applicable

**2.1.2 Classification according to Regulation 67/548/EEC or 1999/45/EC****Hazard symbols** none**R-phrases** none

The product does not require a hazard warning label in accordance with EC-directives.

**2.2 Label elements****Labelling according to Regulation 67/548/EEC or 1999/45/EC****Hazard symbols** none**R-phrases** none**Special labelling** Safety data sheet available for professional user on request.**2.3 Other hazards****Physico-chemical hazards** No particular hazards known.**Human health dangers** If swallowed or in the event of vomiting, risk of product entering the lungs.

Frequent persistent contact with the skin can cause skin irritation.

**Environmental hazards** Does not contain any PBT or vPvB substances.**Other hazards** No particular hazards known.

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**SECTION 3: Composition / Information on ingredients****3.1 Product-type:**

The product is a mixture.

Range [%]	Substance
50 - 55	Lubricating oils (petroleum), C20-50, hydrotreated neutral oil-based
	CAS: 72623-87-1, EINECS/ELINCS: 276-738-4
	GHS/CLP: Asp. Tox 1 - H304
1 - 5	Bis(nonylphenyl)amine
	CAS: 36878-20-3, EINECS/ELINCS: 253-249-4, ECB-Nr.: 05-2114603735-51-xxxx
	GHS/CLP: Aquatic Chronic 4 - H413
	EEC: R 53

**Comment on component parts**

Substances of Very High Concern - SVHC: substances are not contained or are below 0,1%.  
For full text of H-statements and R-phrases: see SECTION 16.

**SECTION 4: First aid measures****4.1 Description of first aid measures**

<b>General information</b>	Change soaked clothing.
<b>Inhalation</b>	Ensure supply of fresh air. In the event of symptoms seek for medical treatment.
<b>Skin contact</b>	In case of contact with skin wash off immediately with soap and water. Consult a doctor if skin irritation persists.
<b>Eye contact</b>	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.
<b>Ingestion</b>	Consult a doctor immediately. Do not induce vomiting. Rinse out mouth and give plenty of water to drink.

**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.

**SECTION 5: Fire-fighting measures****5.1 Extinguishing media**

<b>Suitable extinguishing media</b>	foam, dry powder, water spray jet, carbon dioxide
<b>Extinguishing media that must not be used</b>	Full water jet

**5.2 Special hazards arising from the substance or mixture**

Unknown risk of formation of toxic pyrolysis products.  
Nitrogen oxides (NOx).  
Carbon monoxide (CO)  
Sulphur oxides (SOx).  
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.  
Collect contaminated firefighting water separately, must not be discharged into the drains.



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## 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.  
In case the product spills into drains/surface waters/groundwater, immediately inform the authorities.

### 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.  
Keep away from all sources of ignition - Refrain from smoking.

### 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 and from sun.

### 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 (GB)

not applicable



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**8.2 Exposure controls**

<b>Additional advice on system design</b>	Ensure adequate ventilation on workstation.
<b>Eye protection</b>	Safety glasses.
<b>Hand protection</b>	Nitrile rubber, >480 min (EN 374). The details concerned are recommendations. Please contact the glove supplier for further information.
<b>Skin protection</b>	Light protective clothing.
<b>Other</b>	Avoid contact with eyes and skin. Personal protective equipment should be selected specifically for the working place, depending on concentration and quantity of the hazardous substances handled. The resistance of these equipments to chemicals should be ascertained with the respective supplier.  Wash hands before breaks and after work. Cloths contaminated with product should not be kept in trouser pockets. Use barrier skin cream. Do not eat, drink, smoke or take drugs at work. Remove soiled clothing.
<b>Respiratory protection</b>	Breathing apparatus in the event of aerosol or mist formation. Short term: filter apparatus, combination filter A-P1.
<b>Thermal hazards</b>	No information available.
<b>Delimitation and monitoring of the environmental exposition</b>	See SECTION 6+7.

**SECTION 9: Physical and chemical properties****9.1 Information on basic physical and chemical properties**

<b>Form</b>	liquid
<b>Color</b>	yellow-brown
<b>Odor</b>	characteristic
<b>Odour threshold</b>	not determined
<b>pH-value</b>	not applicable
<b>pH-value [1%]</b>	not applicable
<b>Boiling point [°C]</b>	not determined
<b>Flash point [°C]</b>	> 200 (ISO 2592)
<b>Flammability [°C]</b>	not determined
<b>Lower explosion limit</b>	not determined
<b>Upper explosion limit</b>	not determined
<b>Oxidizing properties</b>	no
<b>Vapour pressure/gas pressure [kPa]</b>	< 0,01 (20°C)
<b>Density [g/ml]</b>	~0,85 (DIN 51757) (15 °C / 59,0 °F)
<b>Bulk density [kg/m³]</b>	not applicable
<b>Solubility in water</b>	virtually insoluble
<b>Partition coefficient [n-octanol/water]</b>	not determined
<b>Viscosity</b>	11,4 - 12,4 mm²/s (100°C) (DIN 51562/T1)
<b>Relative vapour density determined in air</b>	not determined
<b>Evaporation speed</b>	not determined
<b>Melting point [°C]</b>	< -33 (DIN ISO 3016)
<b>Autoignition temperature [°C]</b>	not determined
<b>Decomposition temperature</b>	not determined

**9.2 Other information**

No information available.

**SECTION 10: Stability and reactivity****10.1 Reactivity**

See SECTION 10.3.

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**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**

See SECTION 7.2.

**10.5 Incompatible materials**

Strong oxidizing agent.

**10.6 Hazardous decomposition products**

In the case of heating following (decomposition) products may occur:  
Hydrogen sulphide (H<sub>2</sub>S).

**SECTION 11: Toxicological information****11.1 Information on toxicological effects****Acute toxicity**

Range [%]	Substance
1 - 5	Bis(nonylphenyl)amine, CAS: 36878-20-3
	LD50, oral, Rat: >5000 mg/kg (IUCLID).
50 - 55	Lubricating oils (petroleum), C20-50, hydrotreated neutral oil-based, CAS: 72623-87-1
	LD50, oral, Rat: >= 5000 mg/kg (OECD 401).
	LD50, dermal, Rabbit: >= 2000 mg/kg (OECD 402).
	LC50, inhalative, Rat: >= 5,53 mg/l (OECD 403).

**Serious eye damage/irritation** not determined**Skin corrosion/irritation** not determined**Respiratory or skin sensitisation** not determined**Specific target organ toxicity — single exposure** not determined**Specific target organ toxicity — repeated exposure** not determined**Mutagenicity** not determined**Reproduction toxicity** not determined**Carcinogenicity** not determined**General remarks**

Frequent persistent contact with the skin can cause skin irritation.  
Has a degreasing effect on the skin.

No classification on the basis of the calculation procedure of the preparation directive.  
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. The toxicity data pertaining to the ingredients were supplied by the manufacturers of raw materials.

**SECTION 12: Ecological information****12.1 Toxicity**

Range [%]	Substance
1 - 5	Bis(nonylphenyl)amine, CAS: 36878-20-3
	LC50, (96h), fish: >1000 mg/l.
	LC50, (96h), Crustacea: 18,9 - 39,2 mg/l.
50 - 55	Lubricating oils (petroleum), C20-50, hydrotreated neutral oil-based, CAS: 72623-87-1
	LC50, (96h), fish: > 100 mg/l (OECD 203).
	ErC50, (72h), Algae: > 100 mg/l (OECD 201).
	EC50, (48h), Crustacea: > 100 mg/l (OECD 202).



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**12.2 Persistence and degradability**

<b>Behaviour in environment compartments</b>	not determined
<b>Behaviour in sewage plant</b>	Can be separated out mechanically in purification plants.
<b>Biological degradability</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.

**12.6 Other adverse effects**

No classification on the basis of the calculation procedure of the preparation directive.  
 Ecological data of complete product are not available.  
 Do not discharge product unmonitored into the environment or into the drainage.  
 The toxicity data pertaining to the ingredients were supplied by the manufacturers of raw materials.

**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**

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!

**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)**

150110\*

**SECTION 14: Transport information****14.1 UN number**

See SECTION 14.2 in accordance with UN shipping name

**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"



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**14.3 Transport hazard class(es)**

See SECTION 14.2 in accordance with UN shipping name

**14.4 Packing group**

See SECTION 14.2 in accordance with UN shipping name

**14.5 Environmental hazards**

See SECTION 14.2 in accordance with UN shipping name

**14.6 Special precautions for user**

Relevant information under SECTION 6 to 8.

**14.7 Transport in bulk according to Annex II of MARPOL73/78 and the IBC Code**

not applicable

**SECTION 15: Regulatory information**

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

**EEC-REGULATIONS** 1967/548 (1999/45); 1991/689 (2001/118); 1999/13; 2004/42; 648/2004; 1907/2006 (Reach); 1272/2008; 75/324/EEC (2008/47/EC); 453/2010/EC

**TRANSPORT-REGULATIONS** DOT-Classification, ADR (2013); IMDG-Code (2013, 36. Amdt.); IATA-DGR (2013).

**NATIONAL REGULATIONS (GB):** EH40/2005 Workplace exposure limits (Second edition, published December 2011). CHIP 3/ CHIP 4

**15.2 Chemical safety assessment**

not applicable

**SECTION 16: Other information**

**16.1 R-phrases (SECTION 3)**

R 53: May cause long-term adverse effects in the aquatic environment.

**16.2 Hazard statements (SECTION 3)**

H304 May be fatal if swallowed and enters airways.

H413 May cause long lasting harmful effects to aquatic life.



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### 16.3 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  
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  
ELINCS = European List of Notified Chemical Substances  
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  
LC50 = Lethal concentration, 50%  
LD50 = Median lethal dose  
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  
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





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**16.4 Other information**

**Observe employment restrictions for people** no

**VOC (1999/13/CE)**

not applicable

**Modified position**

SECTION 6 been added: In case the product spills into drains/surface waters/groundwater, immediately inform the authorities.

SECTION 7 been added: Keep away from all sources of ignition - Refrain from smoking.

SECTION 7 been added: Protect from heat/overheating and from sun.

SECTION 7 been added: Do not store together with food and animal food/diet.

SECTION 8 been added: Do not eat, drink, smoke or take drugs at work.

SECTION 8 been added: Remove soiled clothing.

SECTION 9 been added: virtually insoluble

SECTION 10 been added: Strong oxidizing agent.

SECTION 10 been added: In the case of heating following (decomposition) products may occur:

SECTION 10 been added: Hydrogen sulphide (H<sub>2</sub>S).

SECTION 5 been added: Hydrogen sulfide (H<sub>2</sub>S).

SECTION 11 been added: Has a degreasing effect on the skin.

SECTION 12 been added: Can be separated out mechanically in purification plants.

SECTION 12 been added: The product is not readily biodegradable.

SECTION 12 been added: Based on all available information not to be classified as PBT or vPvB respectively.

SECTION 2 been added: The product does not require a hazard warning label in accordance with EC-directives.

SECTION 3 deleted: The contained dangerous materials are not freely available with foreseeable use.

SECTION 2 been added: Does not contain any PBT or vPvB substances.

SECTION 4 been added: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.

SECTION 4 been added: If eye irritation persists: Get medical advice/attention.

SECTION 4 deleted: In case of contact with eyes rinse thoroughly and immediately with plenty of water and seek medical advice.

SECTION 4 been added: If swallowed or in the event of vomiting, risk of product entering the lungs.

SECTION 5 been added: Sulphur oxides (SO<sub>x</sub>).

SECTION 5 been added: Collect contaminated firefighting water separately, must not be discharged into the drains.

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