



Ferdinand Bilstein GmbH + Co. KG

Created: 13.02.2013, Revision 07.02.2013

Version 03. Supersedes version: 02

Page 1 / 7

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

**febi 32931 Engine Oil**  
**Article number 32931, 32932, 32933, 32934, 32935**

**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](http://www.febi.com)  
 E-mail [info@febi.com](mailto:info@febi.com)

**Address enquiries to****Technical information** [info@febi.com](mailto:info@febi.com)**Safety Data Sheet** [sdb@chemiebuero.de](mailto: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 is required to be labelled 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** none

Ferdinand Bilstein GmbH + Co. KG

Created: 13.02.2013, Revision 07.02.2013

Version 03. Supersedes version: 02

Page 2 / 7

### SECTION 3: Composition / Information on ingredients

#### 3.1 Product-type:

The product is a mixture.

Range [%]	Substance
1 - 5	Polyolefine polyamine succinimid, polyol
	CAS: 147880-09-9, EINECS/ELINCS: Polymer
	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

General information	Change soaked clothing.
Inhalation	Ensure supply of fresh air. In the event of symptoms seek for medical treatment.
Skin contact	When in contact with the skin, clean with soap and water. Consult a doctor if skin irritation persists.
Eye contact	In case of contact with eyes rinse thoroughly and immediately with plenty of water and seek medical advice.
Ingestion	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

No information available.

#### 4.3 Indication of any immediate medical attention and special treatment needed

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

### 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

Unknown risk of formation of toxic pyrolysis products.  
Nitrogen oxides (NO<sub>x</sub>).  
Carbon monoxide (CO)

#### 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.



Ferdinand Bilstein GmbH + Co. KG

Created: 13.02.2013, Revision 07.02.2013

Version 03. Supersedes version: 02

Page 3 / 7

**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 with 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.

**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.  
Keep container tightly closed.

**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

**8.2 Exposure controls****Additional advice on system design**

Ensure adequate ventilation on workstation.

**Eye protection**

Safety glasses.

**Hand protection**

The details concerned are recommendations. Please contact the glove supplier for further information.  
Nitrile rubber, >480 min (EN 374).

**Skin protection**

Light protective clothing.

**Other**

Avoid contact with eyes and skin.  
Personal protective equipment should be selected specifically for the working place, depending on concentration and quantity 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.

**Respiratory protection**

Breathing apparatus in the event of aerosol or mist formation.  
Short term: filter apparatus, combination filter A-P1.

**Thermal hazards**

No information available.

**Delimitation and monitoring of the  
environmental exposition**

See SECTION 6+7.

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

Form	liquid
Color	yellow-brown
Odor	characteristic
Odour threshold	not determined
pH-value	not applicable
pH-value [1%]	not applicable
Boiling point [°C]	not determined
Flash point [°C]	> 200 (ISO 2592)
Flammability [°C]	not determined
Lower explosion limit	not determined
Upper explosion limit	not determined
Oxidizing properties	no
Vapour pressure/gas pressure [kPa]	< 0,01 (20°C)
Density [g/ml]	~0,87 (DIN 51757) (15 °C / 59,0 °F)
Bulk density [kg/m³]	not applicable
Solubility in water	immiscible
Partition coefficient [n-octanol/water]	not determined
Viscosity	~ 13 - 16 mm²/s (100°C) (DIN 51562/T1)
Relative vapour density determined in air	not determined
Evaporation speed	not determined
Melting point [°C]	~-27 (ISO 3016)
Autoignition temperature [°C]	not determined
Decomposition temperature	not determined

**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**

Reactions with strong oxidizing agents.

**10.4 Conditions to avoid**

See SECTION 7.2.

**10.5 Incompatible materials**

not determined

**10.6 Hazardous decomposition products**

No hazardous decomposition products known.



Ferdinand Bilstein GmbH + Co. KG

Created: 13.02.2013, Revision 07.02.2013

Version 03. Supersedes version: 02

Page 5 / 7

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

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.
-----------------	--

No classification on the basis of the calculation procedure of the preparation directive.  
Toxicological data of complete product are not available.

**SECTION 12: Ecological information****12.1 Toxicity****12.2 Persistence and degradability**

Behaviour in environment compartments	not determined
---------------------------------------	----------------

Behaviour in sewage plant	not determined
---------------------------	----------------

Biological degradability	not determined
--------------------------	----------------

**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.

**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"

**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

Ferdinand Bilstein GmbH + Co. KG

Created: 13.02.2013, Revision 07.02.2013

Version 03. Supersedes version: 02

Page 7 / 7

## 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)

H413 May cause long lasting harmful effects to aquatic life.

### 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

### 16.4 Other information

Observe employment restrictions for people no

VOC (1999/13/CE) 0 %

Modified position SECTION 2 been added: Does not contain any PBT or vPvB substances.  
SECTION 12 been added: Based on all available information not to be classified as PBT or vPvB respectively.  
SECTION 12 deleted: The toxicity data pertaining to the ingredients were supplied by the manufacturers of raw materials.  
SECTION 10 been added: No dangerous reactions known if used as directed.  
SECTION 8 been added: Personal protective equipment should be selected specifically for the working place, depending on concentration and quantity handled. The resistance of these equipments to chemicals should be ascertained with the respective supplier.  
SECTION 4 been added: When in contact with the skin, clean with soap and water.