

Ferdinand Bilstein GmbH + Co. KG

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1 Identification of the substance / preparation and of the company

Product: febi 08972 power steering oil
Article number: 08972
Registration number: not applicable
Use: Lubricant
Identified use: none
Method of operation: See product information.
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
Emergency phone: +49 (0) 89-19240 (24h)
Responsible: Loeschner@chemiebuero.de

2 Hazards identification

Physico-chemical hazards: See chapter 10.
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: The product/the substance has the Water Hazard Class 2.
Other hazards: No particular hazards known.
Hazard symbols:
none
R-phrases: none

3 Composition / Information on ingredients

Comment on component parts: No dangerous components.

4 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: In case of contact with skin wash off immediately 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: Do not induce vomiting.
Rinse out mouth and give plenty of water to drink.
Supply with medical care.
Advice to doctor: Treat symptomatically.

5 Fire-fighting measures

Suitable extinguishing media: Foam, dry powder, water spray jet, carbon dioxide.
Extinguishing media that must not be used:
Full water jet.
Special exposure hazards arising from the substance or preparation itself or combustion products:
Not combusted hydrocarbons.
Unknown risk of formation of toxic pyrolysis products.
Special protective equipment for firefighters:
Do not inhale explosion and/or combustion gases.
Use self-contained breathing apparatus.
Additional information: Cool containers at risk with water spray jet.
Fire residues and contaminated firefighting water must be disposed of in accordance within the local regulations.

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6 Accidental release measures

- Personal precautions:** High risk of slipping due to leakage/spillage of product.
Forms slippery surfaces with water.
- Environmental precautions:** Prevent spread over a wide area (e.g. by containment or oil barriers).
Do not discharge into the drains/surface waters/groundwater.
- Methods for cleaning up:** Take up with absorbent material (e.g. general-purpose binder).
Dispose of absorbed material in accordance within the regulations.

7 Handling and storage

- Advice on safe handling:** Avoid formation of aerosols.
- Advice on protection against fire and explosion:**
No special measures necessary.
- Requirements for storage rooms and vessels:**
Keep only in original container.
Prevent penetration into the ground.
- Advice on storage compatibility:** Do not store together with food and animal food/diet.
- Further information on storage conditions:**
Keep container tightly closed.
Keep container in a well-ventilated place.

8 Exposure controls / personal protection

- Additional advice on system design:**
Ensure adequate ventilation on workstation.
- Ingredients with occupational exposure limits to be monitored:**
not applicable
- Respiratory protection:** Breathing apparatus in the event of aerosol or mist formation.
Short term: filter apparatus, combination filter A-P1.
- Hand protection:** Nitrile, >480 min (EN 374).
Neoprene, >480 min (EN 374).
- Eye protection:** Safety glasses.
- Skin protection:** Light protective clothing.
- General protective measures:** Avoid contact with eyes and skin.
- Hygiene measures:** Do not eat, drink, smoke or take drugs at work.
Use barrier skin cream.
Wash hands before breaks and after work.
Cloths contaminated with product should not be kept in trouser pockets.
- Delimitation and monitoring of the environmental exposition:**
not determined

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9 Physical and chemical properties

Form:	liquid
Color:	brown
Odor:	characteristic
pH-value:	not applicable
pH-value [1%]:	not applicable
Boiling point [°C]:	not determined
Flash point [°C]:	> 170 (ISO 2592)
Flammability [°C]:	not determined
Lower explosion limit:	not determined
Upper explosion limit:	not determined
Oxidizing properties:	no
Vapour pressure [kPa]:	not determined
Density [g/ml]:	0,87 (DIN 51757)
Density at [°C]:	15
Bulk density [kg/m³]:	not applicable
Solubility in water:	immiscible
Partition coefficient [n-octanol/water]:	not determined
Viscosity:	~ 31 - 39 mm²/s (40°C) (DIN 51562/T1) ~ 7 mm²/s (100°C) (DIN 51562/T1)
Relative vapour density determined in air:	not determined
Evaporation speed:	not determined
Melting point [°C]:	~-42 (ISO 3016)
Autoignition temperature [°C]:	not applicable
Decomposition temperature:	not determined

10 Stability and reactivity

Hazardous reactions:	Reactions with strong oxidizing agents. Reactions with strong acids.
Hazardous decomposition products:	No hazardous decomposition products known.

11 Toxicological information

Acute oral toxicity:	not determined
Acute dermal toxicity:	not determined
Acute inhalational toxicity:	not determined
Irritant effect on eye:	not determined
Irritant effect on skin:	not determined
Sensitization:	not determined
Subacute toxicity:	not determined
Chronic toxicity:	not determined
Mutagenicity:	not determined
Reproduction toxicity:	not determined
Carcinogenicity:	not determined
Experiences made in practice:	none
General remarks:	No classification on the basis of the calculation procedure of the preparation directive. Toxicological data are not available.

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12 Ecological information

Fish toxicity:	not determined
Daphnia toxicity:	not determined
Behaviour in environment compartments:	not determined
Behaviour in sewage plant:	not determined
Bacteria toxicity:	not determined
Biological degradability:	not determined
COD:	not determined
BOD 5:	not determined
AOX-advice:	not applicable
2006/11/EC:	yes
General information:	Ecological data are not available. No classification on the basis of the calculation procedure of the preparation directive.

13 Disposal considerations

Product:	Coordinate disposal with the disposal contractor/authorities if necessary. Dispose of as hazardous waste. 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.
Waste no. (recommended):	130110*

14 Transport information

Classification according to ADR:	NO DANGEROUS GOODS
- Classification Code:	
- Label:	
- ADR LQ	
- ADR 1.1.3.6 (8.6):	Transport category (tunnel restriction code): -
Classification according to IMDG:	NOT CLASSIFIED AS "DANGEROUS GOODS"
- EMS:	
- Label:	
- IMDG LQ:	
Classification according to IATA:	NOT CLASSIFIED AS "DANGEROUS GOODS"
- Label:	

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15 Regulatory information

Exposure scenario:	not applicable
Chemical safety report:	not applicable
Labelling:	The product does not require a hazard warning label in accordance with EC-directives.
Hazard symbols:	
	none
R-phrases:	none
S-phrases:	none
Special labelling:	none
Authorisation, TITEL VII:	not applicable
Restrictions, TITEL VIII:	not applicable
EEC-REGULATIONS:	1967/548 (2008/58, 30. ATP/ 31. ATP); 1991/689 (2001/118); 1999/13; 2004/42; 648/2004; 1907/2006.
TRANSPORT-REGULATIONS:	DOT-Classification, ADR (2009); IMDG-Code (34. Amdt.); IATA-DGR (2009).
NATIONAL REGULATIONS	EH40/2005 Workplace exposure limits with amendments October 2007.

16 Other informations

Observe employment restrictions for people:	
	no
VOC (1999/13/CE):	0 %
Customs Tariff:	not determined