

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

### 1.1 Product identifier

**febi 33889 automatic transmission fluid (ATF)  
Article number 33889**

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

#### 1.2.1 Relevant uses

Lubricant

#### 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** [info@febi.com](mailto:info@febi.com)

### 1.4 Emergency telephone number

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

**Company** +49 2333 911-0

## SECTION 2: Hazards identification

### 2.1 Classification of the substance or mixture

Asp. Tox. 1: H304 May be fatal if swallowed and enters airways.

### 2.2 Label elements

The product is required to be labelled in accordance with EC-Directives.

#### Hazard pictograms



**Signal word** DANGER

**Contains:** Lubricating oils (petroleum), C20-50, hydrotreated neutral oil-based

**Hazard statements** H304 May be fatal if swallowed and enters airways.

**Precautionary statements** P101 If medical advice is needed, have product container or label at hand.  
P102 Keep out of reach of children.  
P301+P310 IF SWALLOWED: Immediately call a POISON CENTER / doctor.  
P331 Do NOT induce vomiting.  
P405 Store locked up.  
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.

**Special labelling** Contains: Ethanol, 2,2'-iminobis-, N-tallow alkyl derivs.. EUH208 May produce an allergic reaction.

### 2.3 Other hazards

**Human health dangers** If swallowed or in the event of vomiting, risk of product entering the lungs.

**Environmental hazards** Does not contain any PBT or vPvB substances.

**Other hazards** No particular hazards known.

### SECTION 3: Composition / Information on ingredients

#### Product-type:

The product is a mixture.

| Range [%] | Substance  |
|-----------|--|
| 50 - 100  | Lubricating oils (petroleum), C20-50, hydrotreated neutral oil-based                             |
|           | CAS: 72623-87-1, EINECS/ELINCS: 276-738-4, Reg-No.: 01-2119474889-13-XXXX                        |
|           | GHS/CLP: Asp. Tox. 1: H304   |
| 0,1 - < 1 | Dimantine  |
|           | CAS: 124-28-7, EINECS/ELINCS: 204-694-8  |
|           | GHS/CLP: Skin Corr. 1B: H314 - Acute Tox. 4: H302 - Aquatic Acute 1: H400                        |
| 0,1 - < 1 | Ethanol, 2,2'-iminobis-, N-tallow alkyl derivs.  |
|           | CAS: 61791-44-4, EINECS/ELINCS: 263-177-5  |
|           | GHS/CLP: Skin Sens. 1: H317 - Skin Corr. 1B: H314 - Acute Tox. 4: H302 - Aquatic Chronic 3: H412 |

#### 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

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.  
Consult a doctor immediately.

#### 4.2 Most important symptoms and effects, both acute and delayed

Headache  
Irritant effects

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

Treat symptomatically.  
Forward this sheet to the doctor.  
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

Risk of formation of toxic pyrolysis products.  
Carbon monoxide (CO)  
Nitrogen oxides (NOx).

### 5.3 Advice for firefighters

Do not inhale explosion and/or combustion gases.

Use self-contained breathing apparatus.

Collect contaminated firefighting water separately, must not be discharged into the drains.

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

Some risk of slipping due to 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.

Do not discharge into the subsoil/soil.

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

### 6.3 Methods and material for containment and cleaning up

Pick up with absorbent material (e.g. sand, sawdust, universal absorbent, diatomaceous earth).

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.

Use only in well-ventilated areas.

Keep away from sources of ignition - refrain from smoking.

Ignitable mixtures can be formed in the empty container.

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

After worktime and before work breaks the affected skin areas must be thoroughly cleaned.

Use barrier skin cream.

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

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 tightly closed container.

Prevent penetration into the ground.

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

Keep container in a well-ventilated place.

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

### Ingredients with occupational exposure limits to be monitored (GB)

#### 8.1 Control parameters

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.  
> 0,4 mm: Nitrile rubber, >480 min (EN 374).

**Skin protection** light protective clothing

**Other** 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.  
Do not inhale gases/vapours/aerosols.  
Avoid contact with eyes and skin.

**Respiratory protection** No special measures necessary.

**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

|  |                           |
|--|---------------------------|
| <b>Form</b>                                      | liquid                    |
| <b>Color</b>                                     | blue                      |
| <b>Odor</b>                                      | characteristic            |
| <b>Odour threshold</b>                           | not determined            |
| <b>pH-value</b>                                  | not determined            |
| <b>pH-value [1%]</b>                             | not determined            |
| <b>Boiling point [°C]</b>                        | not applicable            |
| <b>Flash point [°C]</b>                          | 180 (EN ISO 2592) (COC)   |
| <b>Flammability (solid, gas) [°C]</b>            | not determined            |
| <b>Lower explosion limit</b>                     | not applicable            |
| <b>Upper explosion limit</b>                     | not applicable            |
| <b>Oxidizing properties</b>                      | no                        |
| <b>Vapour pressure/gas pressure [kPa]</b>        | not determined            |
| <b>Density [g/ml]</b>                            | 0,841 15°C (DIN 51757)    |
| <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>                                 | 18 mm²/s 40°C (DIN 51562) |
| <b>Relative vapour density determined in air</b> | not determined            |
| <b>Evaporation speed</b>                         | not determined            |
| <b>Melting point [°C]</b>                        | not determined            |
| <b>Autoignition temperature [°C]</b>             | not applicable            |
| <b>Decomposition temperature [°C]</b>            | not determined            |

**Ferdinand Bilstein GmbH + Co. KG**

Date printed 05.06.2015, Revision 05.06.2015

Version 05. Supersedes version: 04

Page 5 / 8

**9.2 Other information**

No information available.

**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 hazardous reactions known.

**10.4 Conditions to avoid**

Strong heating.

**10.5 Incompatible materials**

No information available.

**10.6 Hazardous decomposition products**

No hazardous decomposition products known.

**SECTION 11: Toxicological information**

**11.1 Information on toxicological effects**

**Acute toxicity**

| Range [%] | Substance   |
|-----------|---|
| 50 - 100  | Lubricating oils (petroleum), C20-50, hydrotreated neutral oil-based, CAS: 72623-87-1 |
|           | LD50, dermal, Rabbit: $\geq 2000$ mg/kg (OECD 402).                                   |
|           | LD50, oral, Rat: $\geq 5000$ mg/kg (OECD 401).  |
|           | LC50, inhalative, Rat: $\geq 5,53$ 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**

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

Ferdinand Bilstein GmbH + Co. KG

Date printed 05.06.2015, Revision 05.06.2015

Version 05. Supersedes version: 04

Page 6 / 8

## SECTION 12: Ecological information

### 12.1 Toxicity

| Range [%] | Substance   |
|-----------|---|
| 50 - 100  | Lubricating oils (petroleum), C20-50, hydrotreated neutral oil-based, CAS: 72623-87-1 |
|           | LC50, (96h), fish: > 100 mg/l (OECD 203).   |
|           | EC50, (48h), Crustacea: > 100 mg/l (OECD 202).  |
|           | ErC50, (72h), Algae: > 100 mg/l (OECD 201).   |

### 12.2 Persistence and degradability

|  |                |
|--|----------------|
| <b>Behaviour in environment compartments</b> | not determined |
| <b>Behaviour in sewage plant</b>             | not determined |
| <b>Biological degradability</b>              | 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

In according to RoHS!  
Coordinate disposal with the authorities if necessary.

#### Waste no. (recommended)

130208\*

#### 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\*  
150102  
150104

## SECTION 14: Transport information

### 14.1 UN number

See SECTION 14.2 in accordance with UN shipping name

**Ferdinand Bilstein GmbH + Co. KG**

Date printed 05.06.2015, Revision 05.06.2015

Version 05. Supersedes version: 04

Page 7 / 8

**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 MARPOL 73/78 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 (2015); IMDG-Code (2015, 37. Amdt.); IATA-DGR (2015).   |
| NATIONAL REGULATIONS (GB):                   | EH40/2005 Workplace exposure limits (Second edition, published December 2011). CHIP 3/ CHIP 4   |
| - Observe employment restrictions for people | Observe employment restrictions for mothers-to-be and nursing mothers. Observe employment restrictions for young people.                |
| - VOC (1999/13/CE)                           | not applicable  |

**15.2 Chemical safety assessment**

not applicable

**SECTION 16: Other information**

**16.1 Hazard statements (SECTION 3)**

H412 Harmful to aquatic life with long lasting effects.  
H317 May cause an allergic skin reaction.  
H400 Very toxic to aquatic life.  
H302 Harmful if swallowed.  
H314 Causes severe skin burns and eye damage.  
H304 May be fatal if swallowed and enters airways.

**Ferdinand Bilstein GmbH + Co. KG**

Date printed 05.06.2015, Revision 05.06.2015

Version 05. Supersedes version: 04

Page 8 / 8

**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  
 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

**16.3 Other information****Classification procedure**

Asp. Tox. 1: H304 May be fatal if swallowed and enters airways. (On basis of test data)

**Modified position**

none