

**febi 22806, 26680, 26681 Automatic Transmission Fluid  
(Dexron III/ Dexron III H)**

revised on: 14.04.09

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**1. Substance/ Product Identification**
**Product Trade Name:** febi 22806, 26680, 26681 Automatic Transmission Fluid  
(Dexron III/ Dexron III H)

**Plant Address:** Ferdinand Bilstein GmbH + Co. KG,  
Wilhelmstr. 47, 58256 Ennepetal  
Phone: +49 2333 911-0  
Fax: +49 2333 911- 444  
**Informing Department:** +49 2333 911- 0  
**Emergency information:** +49 2333 911-0

**CAS Number:** Mixture of several ones / Confidential

**Synonyms:** None

**Generic Chemical Name:** Mixture

**Product Type:** ATF

**2. Hazards Identification**
**Principal Hazards:** If the product comes in contact with skin, eyes flush immediately with plenty of water. In case of swallowing please contact the physician.

**Dangerous compounds:** see chapter 2; R-sentence descriptions, see chapter 16.

**Additional advices/hints:** Please advise the personal stuff of the a.m. product components.

**3. Composition/Information on Ingredients**
**Hazardous Ingredients (in acc. to Dangerous Preparation Directive 1999/45/EC)**

Components	Weight- %	Labels	R-phrases	CAS No.
Alkylphosphite-Derivatives	<0.15	Xi	R36/38	confidential
Alkylthiadiazol-Derivatives	<0.1	Xi	R43	confidential
Diphenylamine-Derivatives	<0.1	N, T	R23/24/25, R33, R50/53	122-39-4

**4. First Aid Measures**
**Ingestion:** DO NOT INDUCE VOMITING. If conscious, give 2 glasses of water. Get immediate medical attention.

**Eyes:** Flush immediately with water for at least 15 minutes. Get immediate medical attention.

**Skin:** Wash with soap and water. Remove contaminated clothing. Get medical attention if irritation develops. Launder contaminated clothing before reuse.

**Inhalation:** Remove exposed person to fresh air if adverse effects are observed.

**Additional Information:** Note to physician: Treat symptomatically.

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### 5. Fire Fighting Measures

<b>Flash Point:</b>	>135°C COC (Typical)
<b>Extinguishing Media:</b>	CO <sub>2</sub> , dry chemical, or foam. Water can be used to cool and protect exposed material.
<b>Firefighting Procedures:</b>	Recommend wearing self-contained breathing apparatus. Water may cause splattering.
<b>Unusual Fire &amp; Explosion Hazards:</b>	Toxic fumes, gases (H <sub>2</sub> S, CO, CO <sub>2</sub> , NO <sub>x</sub> , SO <sub>x</sub> etc.) or vapors may evolve on burning.

### 6. Accidental Release Measures

<b>Spill Procedures:</b>	Personal Protective Equipment must be worn, see Personal Protection Section for PPE recommendations. Ventilate area if spilled in confined space or other poorly ventilated areas. Prevent entry into sewers and water-ways. Pick up free liquid for recycle/ disposal. Residual liquid can be absorbed on inert material. Check under Transportation and Labelling (DOT/CERCLA) and Other Regulatory Information Section (SARA) for hazardous Substances to determine regulatory reporting requirement for spills.
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### 7. Handling and Storage

<b>Loading Temperature:</b>	Not determined.
<b>Maximum Handling:</b>	Max. 60°C.
<b>Temperature Handling Procedure:</b>	Keep containers closed when not in use. Wash thoroughly after handling. Empty container contains product residue which may exhibit hazards of product.
<b>Maximum Storage Temperature:</b>	Not determined.
<b>Storage Procedures:</b>	No special storage precautions required.
<b>Handling Procedures:</b>	Safety glasses and gloves are recommended. Avoid contact with skin or eyes.

### 8. Exposure Controls/ Personal Protection

<b>Exposure Limits</b>	Diphenylamine (CAS-No. 122-39-4) Longterm (8h TWA): 10mg/m <sup>3</sup> , shortterm (25 min. TWA): 20mg/m <sup>3</sup>
<b>Other Exposure Limits:</b>	Under decomposition temperature H <sub>2</sub> S may be generated. Under these conditions which may generate H <sub>2</sub> S, observe the ACGIH STEL of 14mg/m <sup>3</sup> (10ml/m <sup>3</sup> ).
<b>Ventilation Procedures:</b>	Use local exhaust ventilation to control mists or vapors.
<b>Hand Protection:</b>	Nitrile rubber.

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<b>Eye Protection:</b>	Chemical goggles or faceshield.
<b>Respiratory Protection:</b>	Use full face respirator with a combination organic vapor and dust/mist cartridge if the recommended exposure limit is exceeded.
<b>Clothing Recommendation:</b>	A long sleeve shirt is recommended.

## 9. Physical and Chemical Properties

<b>Appearance:</b>	Dark red, red or colourless liquid (depends on client's request)
<b>Smell:</b>	Characteristical
<b>Flash Point:</b>	>135°C COC
<b>Upper Flammable Limit:</b>	--
<b>Lower Flammable Limit:</b>	--
<b>Autoignition Point:</b>	Not determined.
<b>Explosion Data:</b>	Material does not have explosive properties.
<b>Vapour Pressure:</b>	Not Determined.
<b>pH:</b>	Not determined.
<b>Specific Gravity:</b>	0.854 g/cm <sup>3</sup> (at 15.6°C) typically
<b>Water Solubility:</b>	Insoluble.
<b>Evaporation Rate:</b>	Not determined.
<b>Viscosity:</b>	31 mm <sup>2</sup> /s (at 40°C), typically
<b>Odour Threshold</b>	Unknown.
<b>Boiling Point:</b>	Not determined.
<b>Pour Point Temperature:</b>	Approx. -42°C

## 10. Stability and Reactivity

<b>Stability:</b>	Material is normally stable at moderately elevated temperatures and pressures.
<b>Decomposition Temperature:</b>	Toxic fumes may occur at temperatures above 65°C.
<b>Incompatibility:</b>	Oxidizing agents, Halogens and halogenated compounds.
<b>Polymerization:</b>	Will not occur.
<b>Thermal Decomposition:</b>	Smoke, carbon monoxide, carbon dioxide, aldehydes and other products of incomplete combustion. Oxides of C-, N- or S- may occur.

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## 11. Toxicological Information

### - Acute Exposure-

<b>Eye Irritation:</b>	Prolonged contact may lead to eye irritating, but the product is not a primary eye irritant.
<b>Skin Irritation:</b>	Based on data from components or similar materials like other motor oils. Prolonged or repeated skin contact as from clothing wet with material may cause skin irritations and or allergic skin reactions like redness, edema, drying, and cracking of the skin.
<b>Respiratory Irritation:</b>	If material is misted or if vapors are generated from heating, exposure may cause irritation of mucous membranes and the upper respiratory tract similar to that observed with mineral oil. Based on data from components or similar materials. Under good industrial hygiene practises where all exposure limits are observed, respiratory irritation should not be problem.
<b>Dermal Toxicity:</b>	No data available.
<b>Inhalation Toxicity:</b>	No data available.
<b>Oral:</b>	No data available.
<b>Dermal Sensitization:</b>	No data available to indicate product or components may be a primary skin sensitizer. Therefore prolonged contact should be avoided.
<b>Inhalation Sensitization:</b>	No data available to indicate product or components may be respiratory sensitizers.

### - Chronical Exposure -

<b>Chronic Toxicity:</b>	No data available.
<b>Carcinogenicity:</b>	This product is formulated with mineral oils which are considered to be severely refined and not considered to be carcinogenic under IARC. All of the oils in this product have been demonstrated to contain <3% extractables by the IP 346 test.
<b>Mutagenicity:</b>	No data available.
<b>Reproductive Toxicity:</b>	No data available.
<b>Teratogenicity:</b>	No data available.
<b>Other:</b>	No other health hazards known.

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## 12. Ecological Information

### - Environmental Toxicity-

#### Freshwater Fish

**Toxicity:** Not determined.

#### Freshwater Invertebrates

**Toxicity:** Not determined.

**Algae Toxicity:** Not determined.

**Saltwater Fish Toxicity:** Not determined.

**Saltwater Invertebrates:  
Toxicity:** Not determined.

**Bacteria Toxicity:** Not determined.

**Miscellaneous Toxicity:** Not determined.

### - Environmental Fate –

**Biodegradation:** Laboratory studies indicate limited biodegradation with non-acclimated sludge, based on component data.

**Bioaccumulation:** Not determined.

**Soil Mobility:** Not determined.

**WGK / WPC:** Estimated: WGK 2 (WPC 2) acc. to German regulations.

## 13. Disposal Consideration

**Waste Disposal:** In accordance with European Law: No dangerous disposal. EG: 130205.

## 14. Transport Information

**ICAO/ IATA:** Not regulated.

**IMDG (Ambient):** Not regulated.

**IMDG (Elevated):** Not regulated.

**IMDG EMS:** Not applicable.

**IMDG MFAG:** Not applicable.

**IMO Marine Bulk:** Product contains heterocyclic ethers of Class 9, UN 3082 PG III

**ADR/ RID (Ambient):** Not regulated.

**ADR/ RID (Elevated):** Not regulated.

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## 15. Regulatory Information

**Symbol(s):** --

**Indication of danger:** --

**Precautionary Labels:**

S37/ S39	Wear suitable gloves & goggles.
S26	Flush with plenty of water, immediately after contamination.
S24	Avoid skin contact.

[ Product contains:  
Smaller amounts of Alkylthiadiazol- and Diphenylamine-Derivatives ]

## 16. Other Information

R-phrases, mentioned under chapter 2:

R23/24/25	Toxic by inhalation, in contact with skin if swallowed
R33	Danger of cumulative effects
R36/38	Irritating to eyes and skin
R43	May cause sensitisation by skin contact
R50/53	Very toxic to aquatic organisms, may cause long-term adverse effects in the aquatic environment.