

ATF febi 08971, 78971 (ATF-Fluid Dexron II-D)

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1. Identification of substance:

1.1 Product details

Trade name: **ATF febi 08971, 78971 (ATF-Fluid Dexron II-D)**

1.2 Application of the substance/the preparation:

Lubricant

1.3 Manufacturer/Supplier:

Ferdinand Bilstein GmbH & Co. KG,

Wilhelmstr. 47, 58256 Ennepetal

Tel.: +49 2333 911-0

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Emergency information: +49 2333 911-0

2. Hazards identification

2.1 Hazard designation

If the product comes in contact with skin, eyes flush immediately with plenty of water. In case of swallowing please contact the physician.

2.2 Special danger references for man and environment

see chapter 3.

2.3. Additional advices / hints:

Please advise the personal stuff of the a.m. product components.

3. Composition/Data on components

Hazardous Ingredients (in acc. to Dangerous Preparation Directive 1999/45/EC)

Components	Wt-%	Label	R-phrases	CAS No.
Alkyliertes Alkylamin- derivative and Alkylalkoxy-amine	<0.15	Xn; C; N	R22, R34, R43, R50/53	confidential
Longchained Alkylthiadiazol	Traces only	--	R43	confidential
Methacrylate copolymer	<2	Xi	R36	confidential

4. First aid measures

4.1. Ingestion: DO NOT INDUCE VOMITING. If conscious, give two glasses of water. Get immediate medical attention.

4.2. After inhalation: Remove exposed person to fresh air if adverse effects are observed.

4.3. After skin contact: Wash with soap and water. Remove contaminated clothing. Get medical attention if irritation develops. Launder contaminated clothing before reuse.

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4.4 After eye contact: Flush immediately with water for at least 15 minutes. Get immediate medical attention.

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

5. Fire fighting measures

5.1 Flash Point: >135°C COC (Typical)

5.2. Extinguishing Media: CO₂, dry chemical, or foam. Water can be used to cool and protect exposed material.

5.3. Firefighting Procedures: Recommend wearing self-contained breathing apparatus. Water may cause splattering.

5.4. Unusual Fire & Explosion Hazards: Toxic fumes, gases (H₂S, CO, CO₂, NO_x, SO_x etc.) or vapors may evolve on burning.

6. Accidental release measures

Spill Procedures: 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.

7. Handling and storage

7.1 Loading Temperature: Not determined.

7.2 Maximum Handling: Max. 60°C.

7.3 Temperature Handling Procedure: Keep containers closed when not in use. Wash thoroughly after handling. Empty container contains product residue which may exhibit hazards of product.

7.4 Maximum Storage Temperature: Not determined.

7.5 Storage Procedures: No special storage precautions required.

7.6 Handling Procedures: Safety glasses and gloves are recommended. Avoid contact with skin or eyes.

8. Exposure controls and personal protection

8.1 Exposure Limits: Not applicable.

8.2 Other Exposure Limits: Under decomposition temperature H₂S may be generated. Under these conditions which may generate H₂S, observe the ACGIH STEL of 14mg/m³ (10ml/m³).

8.3 Ventilation Procedures: Use local exhaust ventilation to control mists or vapors.

8.4 Hand Protection: Nitrile rubber.

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- 8.5 Eye Protection: Chemical goggles or face shield.
- 8.6 Respiratory Protection: Use full face respirator with a combination organic vapor and dust/mist cartridge if the recommended exposure limit is exceeded.
- 8.7 Clothing Recommendation: A long sleeve shirt is recommended.

9. Physical and chemical properties

9.1 General Information

9.1.1 Form: Fluid

9.1.2 Colour: Red

9.1.3 Smell: Characteristic

9.2 Safety-relevant data

Change in condition

- 9.2.1 Flash Point: >135°C COC
- 9.2.2 Upper Flammable Limit: --
- 9.2.3 Lower Flammable Limit: --
- 9.2.4 Autoignition Point: Not determined.
- 9.2.5 Explosion Data: Material does not have explosive properties.
- 9.2.6 Vapour Pressure: Not Determined.
- 9.2.7 pH: Not determined.
- 9.2.8 Specific Gravity: 0.86 g/cm³ (@ 15.6°C) typically
- 9.2.9 Water Solubility: Insoluble.
- 9.2.10 Evaporation Rate: Not determined.
- 9.2.11 Viscosity: 38 mm²/s (@ 40°C), typically
- 9.2.12 Odour Threshold: Unknown.
- 9.2.13 Boiling Point: Not determined.
- 9.2.14 Pour Point Temperature: Approx. -39°C

10. Stability and reactivity

- 10.1 Stability: Material is normally stable at moderately elevated temperatures and pressures.
- 10.2 Decomposition Temperature: Toxic fumes may occur at temperatures above 65°C.
- 10.3 Incompatibility: Oxidizing agents, Halogens and halogenated compounds.

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10.4 Polymerization: Will not occur.

10.5 Thermal Decomposition: Smoke, carbon monoxide, carbon dioxide, aldehydes and other products of incomplete combustion. Oxides of C-, N-, S- may occur.

11. Toxicological information

11.1 Acute Exposure

11.1.1 Eye Irritation: Prolonged contact may lead to eye irritating, but the product is not a primary eye irritant.

11.1.2 Skin Irritation: 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.

11.1.3 Respiratory Irritation: 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 of components or similar materials. Under good industrial hygiene practises where all exposure limits are observed, respiratory irritation should not be problem.

11.1.4 Dermal Toxicity: No data available.

11.1.5 Inhalation Toxicity: No data available.

11.1.6 Oral: No data available.

11.1.7 Dermal Sensitization: No data available to indicate product or components may be a primary skin sensitizer. Therefore prolonged contact should be avoided. There are only traces of a R43-classified substance incorporated in the final product.

11.1.8 Inhalation Sensitization: No data available to indicate product or components may be respiratory sensitizers, nevertheless that there are traces of a R43-classified substance is incorporated in the final product.

11.2 Chronical Exposure

11.2.1 Chronic Toxicity: No data available.

11.2.2 Carcinogenicity: 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.

11.2.3 Mutagenicity: No data available.

11.2.4 Reproductive Toxicity: No data available.

11.2.5 Teratogenicity: No data available.

11.2.6 Other: No other health hazards known.

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12. Ecological information

12.1 Environmental Toxicity

12.1.1 Freshwater Fish Toxicity: Not determined.

12.1.2 Freshwater Invertebrates Toxicity: Not determined.

12.1.3 Algae Toxicity: Not determined.

12.1.4 Saltwater Fish Toxicity: Not determined.

12.1.5 Saltwater Invertebrates Toxicity: Not determined.

12.1.6 Bacteria Toxicity: Not determined.

12.1.7 Miscellaneous Toxicity: Not determined.

12.2 Environmental Fate

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

12.2.2 Bioaccumulation: Not determined.

12.2.3 Soil Mobility: Not determined.

12.2.4 WGK / WPC: Estimated: WGK 2 (WPC 2) acc. to german regulations.

13. Disposal considerations

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

14. Transport information

14.1 ICAO/ IATA: Not regulated.

14.2 IMDG (Ambient): Not regulated.

14.3 IMDG (Elevated): Not regulated.

14.4 IMDG EMS: Not applicable.

14.5 IMDG MFAG: Not applicable.

14.6 IMO Marine Bulk: Not applicable.

14.7 ADR/ RID (Ambient): Not regulated.

14.8 ADR/ RID (Elevated): Not regulated.

15. Regulatory information

15.1 Symbol(s): ---

15.2 Indication of danger: ---

