



## Safety Data Sheet

SDS No. BF4N03LV  
Issue Date: February 3, 2022

Revision No. 00  
Revision Date:

### ADVICS Brake Fluid DOT 4 LV

#### SECTION 1: IDENTIFICATION

##### 1.1 Product identifier

Product: ADVICS Brake Fluid DOT 4 LV  
Synonyms: None  
Product Part Number: BF4N03LV

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

Brake Fluid

##### 1.3 Detail of the supplier of the safety data sheet

Supplier Name: ADVICS North America, Inc.  
Address: 1650 Kingsview Drive, Lebanon, OH 45036  
Telephone: (513) 696-5450

##### 1.4 Emergency telephone number

INFOTRAC: 1-800-535-5053 - DOMESTIC  
1-352-323-3500 - INTERNATIONAL

#### SECTION 2: HAZARD IDENTIFICATION

##### 2.1 Classification of the substance or mixture

###### Health Hazard Classification:

Hazard	Category	Code
Acute Toxicity - Oral	5	H303
Acute Toxicity - Dermal	5	H313
Eye Damage/Irritation	2	H319
Reproductive Toxicity	2	H361

###### Physical Hazard Classification:

Not Classified

##### 2.2 Label elements

###### Hazard Pictograms



GHS07



GHS08

###### Signal word

WARNING

###### Hazard statements

H303 May be harmful if swallowed  
H313 May be harmful in contact with skin  
H319 Causes serious eye irritation  
H361 Suspected of damaging fertility or the unborn child



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#### Precautionary statements

##### Prevention

- P264 Wash face, hands and any exposed skin thoroughly after handling.  
P201 Obtain special instructions before use.  
P202 Do not handle until all safety precautions have been read and understood.  
P280 Wear protective gloves/ eye protection.

##### Response

- P312 Call a POISON CENTER/ doctor if you feel unwell.  
P305 + P351 + P338 IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.  
P337 + P313 If eye irritation persists: Get medical advice/attention.  
P308 + P313 IF exposed or concerned: Get medical advice/attention.

##### Storage

- P405 Store locked up.

##### Disposal

- P501 Dispose of contents/container in accordance with local/ regional/ national/ international regulations.

#### 2.3 Other hazards

Data not available

### SECTION 3: COMPOSITION/INFORMATION ON INGREDIENTS

#### 3.2 Mixtures

<u>Components</u>	<u>CAS No.</u>	<u>Nominal %</u>	<u>Hazard Code</u>
Triethylene glycol monobutyl ether	143-22-6	1 - 5 %	H319
Mixture of glycol ether, glycol derivative, glycol ether borate ester	Proprietary	89 - 99 %	H303, H313, H361

Proprietary items on this SDS are designated as trade secrets. Requests for disclosure of trade secret information will be made in accordance with the provisions contained in OSHA 29 CFR 1910.1200(i).

### SECTION 4: FIRST AID MEASURES

#### 4.1 Description of first aid measures

- Swallowing: Get medical advice/attention if you feel unwell.  
Skin Contact: Immediately flush with water for 15 minutes. Wash the contaminated skin with soap and water. If irritation develops, call a physician. If clothing comes in contact with the product, the clothing should be laundered before reuse.  
Eye Contact: Immediately flush with large amounts of water for at least 15 minutes, occasionally lifting the upper and lower eyelids. Call a physician at once.  
Inhalation: This product is not toxic by inhalation. Remove individual to fresh air.

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

The most important known symptoms and effects are described in the labelling (see section 2.2) and/or in section 11.

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

No recommendation given, but first aid may still be required in case of accidental exposure, inhalation or ingestion of this chemical. If in doubt, GET MEDICAL ATTENTION PROMPTLY!



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#### SECTION 5: FIREFIGHTING MEASURES

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##### **5.1 Extinguishing media**

Individuals should perform only those firefighting procedures for which they have been trained. Use water spray, dry chemical, alcohol foam or carbon dioxide. Use water to keep fire-exposed containers cool. If a spill or leak has not ignited, use water spray to disperse the vapors. Water spray may be used to flush spills away from fire and diluted spills to noncombustible proportions (see warning on water spray on hot liquid below.)

##### **5.2 Special hazards arising from the substance or mixture**

Data not available

##### **5.3 Advice for firefighters**

Fire fighters should wear self-contained breathing apparatus in the positive pressure mode with a full face piece when, there is a possibility of exposure to smoke, fumes or hazardous decomposition products. Water spray may cause foaming of hot glycol so indirect application of water spray or use of other extinguishing media should be used on hot liquid.

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#### SECTION 6: ACCIDENTAL RELEASE MEASURES

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##### **6.1 Personal precautions, protective equipment and emergency procedures**

For personal precautions, protective equipment and emergency procedures, see section 8. In case of spills, beware of slippery floors and surfaces.

##### **6.2 Environmental precautions**

The product should not be dumped in nature but collected and delivered according to agreement with the local authorities.

##### **6.3 Method and material for containment cleaning up**

Soak up with inert absorbent material and dispose in accordance with local/regional/national/international regulations. Keep in suitable, closed containers for disposal.

##### **6.4 Reference to other sections**

For disposal see section 13.

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#### SECTION 7: HANDLING AND STORAGE

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##### **7.1 Precautions and safe handling**

- Do not expose children and pets to this material.
- After handling product, wash thoroughly with soap and water before drinking, eating, or smoking.
- Keep away from open flames.

##### **7.2 Conditions for safe storage, including any incompatibilities**

- Do not store at temperatures above 104°F; Normal room temperature is satisfactory. Incompatible with strong acids, bases and oxidizers. and chromium trioxide, potassium permanganate, and sodium peroxide.

##### **7.3 Specific end use(s)**

The identified uses for this product are detailed in section 1.2.



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#### SECTION 8: EXPOSURE CONTROLS/PERSONAL PROTECTION

##### 8.1 Control parameters

Component	CAS No.	Source	Exposure Limit	Notes
Mixture of Glycol ether, Glycol derivative, Glycol ether borate ester	Proprietary	US OSHA	None	None

##### 8.2 Exposure controls

- Control Measures:** Handle in the presence of adequate ventilation. Engineering controls should be used whenever feasible to maintain concentrations below acceptable exposure criteria, including enclosures and local exhaust ventilation.
- Respiratory Protection:** Where exposure is likely to exceed acceptable criteria and engineering controls are not feasible, use NIOSH/MSHA approved respiratory protection equipment. Respirators should be selected based on the form and concentration of contaminants in air and in accordance with OSHA (29 CFR 1910.134)
- Protective Clothing:** Wear gloves (e.g., nitrile latex) and protective clothing which are impervious to the product for the duration of exposure if there is potential for skin contact.
- Eye Protection:** Wear safety glasses meeting the specifications of ANSI Standard Z87.1 where no contact with the eye is anticipated. Chemical safety goggles meeting the specification of ANSI Standard Z87.1 should be worn whenever there is the possibility of splashing or other contact with the eyes.

#### SECTION 9: PHYSICAL AND CHEMICAL PROPERTIES

##### 9.1 Information of basic physical and chemical properties

Item	Value/Range
Appearance	Clear to amber, homogeneous liquid
Odor	Mild, characteristic
Odor threshold	Data not available
pH	7.0~9.0
Freezing point	Data not available
Initial boiling point and boiling range	Higher than 260°C (500°F)
Flash point	149°C (300°F, COC)
Evaporation rate	Data not available
Flammability(Solid, gas)	Data not available
Upper/Lower flammability or explosive limits	Data not available
Vapor pressure	Below 0.1 mmHg
Vapor Density (Air = 1)	Approx. 7
Density (20°C)	1.0~1.1 g/cm <sup>3</sup>
Solubility in Water	Complete
Partition coefficient n-octanol/water	Data not available
Auto ignition temperature	Data not available
Decomposition temperature	Data not available
Kinematic Viscosity	5 mm <sup>2</sup> /s (50°C)



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#### **9.2 Other information**

None

### SECTION 10: STABILITY AND REACTIVITY

#### **10.1 Reactivity**

Hazardous Polymerization: Not likely to occur

Conditions and Materials to Avoid: Avoid concentrated strong acids, oxidizing agents and bases. Do not expose to open flame.

#### **10.2 Chemical stability**

Generally stable

#### **10.3 Possibility of hazardous reactions**

Data not available

#### **10.4 Conditions to avoid**

Avoid heat, flames and other sources of ignition.

#### **10.5 Incompatible materials**

Data not available

#### **10.6 Hazardous decomposition products**

Hazardous Decomposition Products : Carbon monoxide, carbon dioxide

### SECTION 11: TOXICOLOGICAL INFORMATION

#### **11.1 Information on toxicological effects**

**Inhalation:** Inhalation of vapors/mists may cause respiratory irritation

**Eye Contact:** Based on the pH and irritation potential of this mixture's constituents, the mist or liquid can be expected to cause mild to moderate irritation or inflammation of the eyes

**Skin Contact:** If significant quantities of this mixture come into contact with the skin, it may cause mild irritation consisting of transient redness.

**Chronic Effects:** No chronic or delayed effects have been identified.

**IARC:** No component of this product present at levels greater than or equal to 0.1% is identified as probable, possible or confirmed human carcinogen by IARC.

**NTP:** No component of this product present at levels greater than or equal to 0.1% is identified as a known or anticipated carcinogen by NTP.

**OSHA:** No component of this product present at levels greater than or equal to 0.1% is identified as a carcinogen or potential carcinogen by OSHA.

### SECTION 12: ECOLOGICAL INFORMATION

#### **12.1 Toxicity**

Ecological information of the product: Data not available

#### **12.2 Persistence and degradability**

Data not available

#### **12.3 Bioaccumulative potential**

Data not available



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#### **12.4 Mobility in soil**

Mobility: The product is miscible with water. May spread in water systems.

#### **12.5 Results of PBT and vPvB assessment**

PBT assessment results: This substance is not classified as PBT or vPvB.

#### **12.6 Other adverse effects**

Remarks: None known.

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### SECTION 13: DISPOSAL CONSIDERATIONS

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Waste Disposal: Disposal should be made in accordance with applicable federal, state and local regulations. All recovered material should be packaged, labeled, transported, and disposed of or reclaimed in conformance with good engineering practices. Avoid land filling of liquids. Reclaim where possible.  
If this product becomes a waste, it DOES NOT meet the criteria of a hazardous waste as defined under 40 CFR 261, in that it does not exhibit the characteristics of hazardous waste of Subpart C, nor is it listed as a hazardous waste Subpart D.  
Care must be taken to prevent environmental contamination from the use of this material. The use of this material has the responsibility to dispose of unused material, residues and containers in compliance with all relevant local, state and federal laws and regulations regarding treatment, storage and disposal for hazardous and nonhazardous wastes.

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### SECTION 14: TRANSPORT INFORMATION

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#### **14.1 UN number**

Not applicable

#### **14.2 UN proper shipping name**

Not applicable

#### **14.3 Transport hazard class(es)**

DOT Classification (Bulk):	No DOT Classification
DOT Classification (Non-bulk):	Not applicable
IATA (Non-bulk):	Not regulated
IMDG Code (Non-bulk):	Not regulated

#### **14.4 Packaging group**

Not applicable

#### **14.5 Environmental hazards**

Marine pollutant: No  
Poison Inhalation Hazard: No

#### **14.6 Special precautions for user**

Data not available

#### **14.7 Transport in bulk according to Annex II of MARPOL 73/78 and the IBC Code**

Data not available



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#### SECTION 15: REGULATORY INFORMATION

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##### **15.1 Safety, health and environmental regulations/legislation specific for the substance or mixture**

###### **Toxic Substance Control Act:**

This product is a mixture; therefore, it is not listed in the TSCA Inventory of Chemical Substances. All of the components of the mixture are listed in or exempt from the TSCA Inventory of Chemical Substances.

###### **SARA Hazard Categories (as defined in Section 311/312):**

Health: Immediate (Acute) and Delayed (Chronic)  
Physical: None

###### **Workplace Hazardous Materials Information System:**

Class D: D2B

###### **Emergency Planning and Community Right to Know:**

Extremely Hazardous Substance - Threshold Planning Quantity: None established

###### **Supplier Notification Requirements, PER 40 CFR 372.45:**

This mixture or trade name product contains a toxic chemical or chemicals subject to the reporting requirements of Section 313 of Title III of the Superfund Amendments and Reauthorization Act of 1986 and 40 CFR 372.

Chemicals Listed Are: Glycol ethers

The specific chemical identity and percentage composition are being withheld as trade secrets.

###### **State Right to Know:**

Pennsylvania: The specific chemical identity and percentage composition are being withheld as trade secrets.  
New Jersey: The specific chemical identity and percentage composition are being withheld as trade secrets.

###### **California Proposition 65:**

This material does not contain any California Proposition 65 chemicals.

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#### SECTION 16: OTHER INFORMATION

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NFPA Rating: Health (2) Fire (1) Reactivity (0)

Preparation information: Date of revision:

The information presented herein is believed to be factual as it has been derived from the works and opinions of people believed to be qualified experts; however, nothing contained in this information is to be taken as a warranty or representation for which ADVICS North America, Inc. bears legal responsibility. The user should review any recommendation in the specific context of intended use to determine whether they are appropriate.