

# Safety Data Sheet

Version 3.0  
Revision Date 07-14-2014



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## 1. Product and Company Identification

Product Name F(ab')<sub>2</sub> Goat anti-Human IgG-heavy and light chain Antibody Biotinylated  
Catalog Number A80-147B  
Supplier Bethyl Laboratories, Inc.  
25043 West FM 1097  
Montgomery, TX 77356  
Telephone 800-338-9579  
Fax 866-597-6105  
Product Use For Research Use Only, Not for Diagnostic Use.

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## 2. Hazards Identification

### GHS Classification

Not a hazardous substance or mixture.

### GHS Label elements

Pictogram none  
Signal word none

Precautionary Statement(s) none

### HMIS Classification

Health hazard 0  
Flammability 0  
Physical hazards 0

### NFPA Classification

Health hazard 0  
Fire 0  
Reactivity hazards 0

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## 3. Composition/Information on Ingredients

### Mixtures

No ingredients are hazardous according to OSHA criteria.  
No components need to be disclosed according to the applicable regulations.

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## 4. First Aid Measures

**If swallowed** Rinse mouth with water provided person is conscious.  
**Skin contact** Wash skin with soap and plenty of water.  
**Eye exposure** Flush with water as a precaution.  
**If inhaled** Move person to fresh air. If not breathing, give artificial respiration. Consult a physician.

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## 5. Fire-Fighting Measures

### Conditions of flammability

Not flammable or combustible

### Extinguishing Media

Water, foam, carbon dioxide, or dry chemical

### Unusual Fire & Explosion Hazard

No usual fire or explosion hazards noted.

### Special protective equipment for firefighters

Wear self contained breathing apparatus if necessary.

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## 6. Accidental Release Measures

### Personal precautions

If spill occurs, wear protective gloves and clean up the spill area with inert absorbent material. Avoid post-cleanup contact of chemical with skin, eyes or inhalation.

### Environmental precautions

Do not allow to enter drains, sewers or watercourses.

### Methods and materials for containment and cleaning up

Dispose of clean-up waste in suitable closed containers

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## 7. Handling and Storage

### Conditions of safe storage

Keep container tightly closed and upright to prevent leakage.

Recommended storage temperature is 2 - 8°C.

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## 8. Exposure Controls/Personal Protection

Contains no substance with occupational exposure limit values

### Respiratory protection

If area is well ventilated, respiratory protection not required.

### Hand protection

Handle with gloves.

### Eye protection

Wear safety goggles.

### Skin and body protection

Lab coat to limit skin exposure

### General hygiene

Wash hands before breaks and at the end of each work shift and before eating, smoking or using the toilet. Wash contaminated clothing and shoes before reuse.

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## 9. Physical and Chemical Properties

### Appearance

Form	liquid
Color	colorless
Odor	no characteristic odor

### Safety Data

pH	no data available
Melting point/ Freezing point	no data available
Boiling point	no data available
Flash point	no data available
Ignition point	no data available
Auto-ignition Temperature	no data available
Lower explosion limit	no data available
Upper explosion limit	no data available
Vapor pressure	no data available
Density	no data available
Water Solubility	no data available
Partition coefficient n-octanoic/water	no data available
Relative vapor density	no data available
Evaporation rate	no data available

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## 10. Stability and Reactivity

### Chemical stability

Product is stable under normal conditions of storage and use.

### Possibility of hazardous reactions

No data available

### Conditions to avoid

No data available

### Materials to avoid

Strong acids

### Hazardous decomposition products

Under normal conditions and use, hazardous decomposition products should not be produced.

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## 11. Toxicological Information

**Acute toxicity (Oral LD50)** No data available

**Skin corrosion/irritation** No data available

**Serious eye damage/eye irritation** No data available

**Germ Cell Mutagenicity** No data available

<b>Carcinogenicity</b>	Not listed by IARC, ACGIH, NTP, OSHA
<b>Reproductive toxicity</b>	No data available
<b>Specific target organ toxicity single exposure</b>	No data available
<b>Specific target organ toxicity repeated exposure</b>	No data available
<b>Aspiration hazard</b>	No data available
<b>Potential health effects</b>	
<b>Inhalation</b>	May be harmful if inhaled. May cause respiratory tract irritation.
<b>Ingestion</b>	May be harmful if swallowed.
<b>Skin</b>	May be harmful if adsorbed through skin. May cause skin irritation.
<b>Eyes</b>	May cause eye irritation
<b>Health Warnings</b>	To the best of our knowledge, the chemical, physical and toxicological properties have not been thoroughly investigated.

## 12. Ecological Information

<b>Toxicity</b>	No known OSHA hazards.
<b>Persistence and degradability</b>	No data available
<b>Bioaccumulative potential</b>	No data available
<b>Mobility in soil</b>	No data available
<b>PBT and vPvb assessment</b>	No data available
<b>Other adverse effects</b>	Harmful to aquatic life

## 13. Disposal Considerations

Dispose of material in accordance with federal, state, and local regulations.

## 14. Transportation Information

No special transport regulations	
DOT (US)	Not dangerous goods
ADR (road)/RID(rail)	Not dangerous goods
IMDG (sea)	Not dangerous goods
ICAO/IATA (air)	Not dangerous goods

## 15. Regulatory Information

### OSHA Hazards

No known OSHA hazards

### SARA 302 Components

The following components are subject to reporting levels established by SARA title III, Section 302:

Sodium Azide CAS No. 26628-22-8

**SARA 311 Components**

No chemical components were found

**SARA 311/312 Hazards**

No SARA hazards

**Canadian WHMIS**

Not controlled under WHMIS.

**EU Regulation/Classification/Labeling information**

The product is classified and labeled in accordance with Regulation EC No 1272/2008.

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**16. Other Information**

For research use only.

Read instructions for use before using the product. Observe the general safety regulations when handling chemicals.

The above information is believed to be correct but does not purport to be all-inclusive and is intended to be used only as a guide. Bethyl Laboratories, Inc. shall not be liable or responsible in any way for use of either this information or the material supplied. Disposal of hazardous material may be subject to federal, state, or local laws or regulations.

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