



# Blue Denaturant (AFCO 4385)

## Safety Data Sheet

according to Federal Register / Vol. 77, No. 58 / Monday, March 26, 2012 / Rules and Regulations

Revision Date: 08/21/2018

Date of issue: 08/04/2014

Version: 1.1

## SECTION 1: IDENTIFICATION

### Product Identifier

**Product Form:** Mixture

**Product Name:** Blue Denaturant (AFCO 4385)

**Product Code:** AFCO 4385

### Intended Use of the Product

**Use of the Substance/Mixture:** Denaturant for carcasses, meat, and meat products intended for purposes other than human food. For professional use only.

### Name, Address, and Telephone of the Responsible Party

#### **Company**

Alex C. Fergusson, LLC.  
800 Development Avenue  
Chambersburg, PA 17201  
T: 800-345-1329  
[www.afcocare.com](http://www.afcocare.com)

### Emergency Telephone Number

**Emergency Number** : 1-800-424-9300 (CHEMTREC)

## SECTION 2: HAZARDS IDENTIFICATION

### Classification of the Substance or Mixture

**Classification (GHS-US):** Not classified.

### Label Elements

#### **GHS-US Labeling**

**Hazard Pictograms (GHS-US)** : None.

**Signal Word (GHS-US)** : None.

**Hazard Statements (GHS-US)** : None.

**Precautionary Statements (GHS-US)** : Not classified.

### Other Hazards

**Other Hazards Not Contributing to the Classification:** Exposure may aggravate those with pre-existing eye, skin, or respiratory conditions.

**Unknown Acute Toxicity (GHS-US):** Not available.

## SECTION 3: COMPOSITION/INFORMATION ON INGREDIENTS

### Substances

Name	Product identifier	% (w/w)	Classification (GHS-US)
Water	CAS No 7732-18-5	>99	Not classified
FD&C Blue 1	CAS No. 3844-45-9	0.1-1	Not classified
Diocetyl sodium sulfosuccinate	CAS No 577-11-7	< 0.1	Skin Irrit. 2, H315 Eye Dam. 1, H318 Aquatic Acute 3, H402

Full text of H-phrases: see section 16.

## SECTION 4: FIRST AID MEASURES

### Description of First Aid Measures

**General:** Never give anything by mouth to an unconscious person. If you feel unwell, seek medical advice (show the label where possible).

**Inhalation:** Not a likely source of exposure.

**Skin Contact:** Not a likely source of exposure.

**Eye Contact:** Not a likely source of exposure.

**Ingestion:** Not a likely source of exposure.

### Most Important Symptoms and Effects Both Acute and Delayed

**General:** Not likely to cause any symptoms or effects.

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**Inhalation:** Not likely to cause any symptoms or effects.

**Skin Contact:** Not likely to cause any symptoms or effects.

**Eye Contact:** Not likely to cause any symptoms or effects.

**Ingestion:** Not likely to cause any symptoms or effects.

**Chronic Symptoms:** Not likely to cause any symptoms or effects.

### **Indication of Any Immediate Medical Attention and Special Treatment Needed**

If you feel unwell, seek medical advice (show the label where possible).

## **SECTION 5: FIRE-FIGHTING MEASURES**

### **Extinguishing Media**

**Suitable Extinguishing Media:** Use extinguishing media appropriate for surrounding fire.

**Unsuitable Extinguishing Media:** Do not use a heavy water stream. Use of heavy stream of water may spread fire.

### **Special Hazards Arising From the Substance or Mixture**

**Fire Hazard:** Not flammable.

**Explosion Hazard:** Product is not explosive.

**Reactivity:** None.

### **Advice for Firefighters**

**Precautionary Measures Fire:** Exercise caution when fighting any chemical fire.

**Firefighting Instructions:** Use water spray or fog for cooling exposed containers.

**Protection During Firefighting:** Do not enter fire area without proper protective equipment, including respiratory protection.

**Hazardous Combustion Products:** None.

### **Reference to Other Sections**

Refer to section 9 for flammability properties.

## **SECTION 6: ACCIDENTAL RELEASE MEASURES**

### **Personal Precautions, Protective Equipment and Emergency Procedures**

**General Measures:** Not applicable.

#### **For Non-Emergency Personnel**

**Protective Equipment:** Use appropriate personal protection equipment (PPE).

**Emergency Procedures:** Evacuate unnecessary personnel.

#### **For Emergency Personnel**

**Protective Equipment:** Equip cleanup crew with proper protection.

**Emergency Procedures:** None.

### **Environmental Precautions**

Prevent entry to sewers and public waters.

### **Methods and Material for Containment and Cleaning Up**

**For Containment:** Contain any spills with dikes or absorbents to prevent migration and entry into sewers or streams.

**Methods for Cleaning Up:** Clear up spills immediately and dispose of waste safely. Contact competent authorities after a spill.

### **Reference to Other Sections**

See heading 8, Exposure Controls and Personal Protection.

## **SECTION 7: HANDLING AND STORAGE**

### **Precautions for Safe Handling**

**Additional Hazards When Processed:** Not applicable.

**Hygiene Measures:** Handle in accordance with good industrial hygiene and safety procedures. Wash hands and other exposed areas with mild soap and water before eating, drinking, or smoking and again when leaving work. Do not eat, drink or smoke when using this product.

### **Conditions for Safe Storage, Including Any Incompatibilities**

**Technical Measures:** Comply with applicable regulations.

**Storage Conditions:** Store in a dry, cool and well-ventilated place. Keep container closed when not in use. Keep/Store away from extremely low temperatures.

**Incompatible Materials:** None.

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**Specific End Use(s):** Denaturant for carcasses, meat, and meat products intended for purposes other than human food. For professional use only.

## SECTION 8: EXPOSURE CONTROLS/PERSONAL PROTECTION

### Control Parameters

No Occupational Exposure Limits (OELs) have been established for this product or any of its chemical components.

### Exposure Controls

**Appropriate Engineering Controls:** Emergency eye wash fountains and safety showers should be available in the immediate vicinity of any potential exposure.

**Personal Protective Equipment:** None usually needed.

**Materials for Protective Clothing:** None usually needed.

**Hand Protection:** None usually needed.

**Eye Protection:** None usually needed.

**Skin and Body Protection:** None usually needed.

**Respiratory Protection:** None needed.

**Environmental Exposure Controls:** Do not allow the product to be released into the environment.

**Consumer Exposure Controls:** Do not eat, drink or smoke during use.

## SECTION 9: PHYSICAL AND CHEMICAL PROPERTIES

### Information on Basic Physical and Chemical Properties

Physical State	: Liquid
Appearance	: Clear dark blue
Odor	: None
Odor Threshold	: Not available
pH	: 5-8
Relative Evaporation Rate (butylacetate=1)	: Not available
Melting Point	: Not available
Freezing Point	: Not available
Boiling Point	: Not available
Flash Point	: Not flammable
Auto-ignition Temperature	: Not available
Decomposition Temperature	: Not available
Flammability (solid, gas)	: Not flammable
Lower Flammable Limit	: Not available
Upper Flammable Limit	: Not available
Vapor Pressure	: Not available
Relative Vapor Density at 20°C	: Not available
Specific Gravity	: 1.00
Solubility	: Water: Complete
Partition coefficient: n-octanol/water	: Not available
Viscosity	: Not available
Explosion Data – Sensitivity to Mechanical Impact	: Not expected to present an explosion hazard due to mechanical impact.
Explosion Data – Sensitivity to Static Discharge	: Not expected to present an explosion hazard due to static discharge.

## SECTION 10: STABILITY AND REACTIVITY

**Reactivity:** Not applicable.

**Chemical Stability:** Stable under recommended handling and storage conditions (see section 7).

**Possibility of Hazardous Reactions:** Hazardous polymerization will not occur.

**Conditions to Avoid:** Extremely low temperatures.

**Incompatible Materials:** None.

**Hazardous Decomposition Products:** None.

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### SECTION 11: TOXICOLOGICAL INFORMATION

#### Information on Toxicological Effects – Product

**Acute Toxicity:** Not classified

**LD50 and LC50 Data:** Not available

**Skin Corrosion/Irritation:** Not classified (pH: 5-8)

**Serious Eye Damage/Irritation:** Not classified. (pH: 5-8)

**Respiratory or Skin Sensitization:** Not classified

**Germ Cell Mutagenicity:** Not classified

**Teratogenicity:** Not classified

**Carcinogenicity:** Not classified

**Specific Target Organ Toxicity (Repeated Exposure):** Not classified.

**Reproductive Toxicity:** Not classified

**Specific Target Organ Toxicity (Single Exposure):** Not classified

**Aspiration Hazard:** Not classified

**Symptoms/Injuries After Inhalation:** Not classified.

**Symptoms/Injuries After Skin Contact:** Not classified.

**Symptoms/Injuries After Eye Contact:** Not classified.

**Symptoms/Injuries After Ingestion:** Not classified.

**Chronic Symptoms:** Not classified.

#### Information on Toxicological Effects – Ingredient(s)

**LD50 and LC50 Data:**

Dioctyl sodium sulfosuccinate (577-11-7)	
LD50 Oral Rat	>3,000 mg/kg

### SECTION 12: ECOLOGICAL INFORMATION

#### Toxicity

**Ecology – General:** Not classified.

**Ecology – Water:** Not classified.

Dioctyl sodium sulfosuccinate (577-11-7)	
LC50 Fish 1	49 mg/l (Exposure time: 96 h - Species : Danio rerio [zebra fish])
EC50 Daphnia 1	10.3 mg/l (Exposure time: 48 h - Species: Daphnia magna)

**Persistence and Degradability** Not available.

**Bioaccumulative Potential** Not available.

**Mobility in Soil** Not available.

#### Other Adverse Effects

**Other Information:** Avoid release to the environment.

### SECTION 13: DISPOSAL CONSIDERATIONS

**Waste Disposal Recommendations:** Dispose of waste material in accordance with all local, regional, national, provincial, territorial and international regulations.

**Ecology – Waste Materials:** Not classified.

### SECTION 14: TRANSPORT INFORMATION

14.1 In Accordance with DOT	:	Not regulated for transport.
14.2 In Accordance with IMDG	:	Not regulated for transport.
14.3 In Accordance with IATA	:	Not regulated for transport.
14.4 In Accordance with TDG	:	Not regulated for transport.

### SECTION 15: REGULATORY INFORMATION

#### US Federal Regulations

Blue Denaturant (AFCO 4385)	
SARA Section 311/312 Hazard Classes	Not applicable.

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<b>Water (7732-18-5)</b>
Listed on the United States TSCA (Toxic Substances Control Act) inventory.
<b>Diethyl sodium sulfosuccinate (577-11-7)</b>
Listed on the United States TSCA (Toxic Substances Control Act) inventory.
<b>FD&amp;C Blue 1 (3844-45-9)</b>
Listed on the United States TSCA (Toxic Substances Control Act) inventory.

### US State Regulations

<b>Diethyl sodium sulfosuccinate (577-11-7)</b>
RTK - U.S. - New Jersey - Right to Know Hazardous Substance List.
RTK - U.S. - Pennsylvania - RTK (Right to Know) List.

### Canadian Regulations

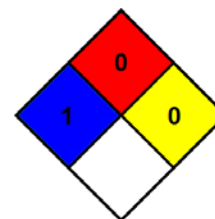
<b>FD&amp;C Blue 1 (3844-45-9)</b>
Listed on the Canadian DSL (Domestic Substances List) inventory.
<b>Water (7732-18-5)</b>
Listed on the Canadian DSL (Domestic Substances List) inventory.
<b>Diethyl sodium sulfosuccinate (577-11-7)</b>
Listed on the Canadian DSL (Domestic Substances List) inventory.

## SECTION 16: OTHER INFORMATION, INCLUDING DATE OF PREPARATION OR LAST REVISION

<b>Revision date</b>	: 08/21/2018
<b>Other Information</b>	: This document has been prepared in accordance with the SDS requirements of the OSHA Hazard Communication Standard 29 CFR 1910.1200.

**GHS Full Text Phrases:** None.

<b>NFPA Health Hazard</b>	: 1 - Exposure could cause irritation but only minor residual injury even if no treatment is given.
<b>NFPA Fire Hazard</b>	: 0 - Materials that will not burn.
<b>NFPA Reactivity</b>	: 0 - Normally stable, even under fire exposure conditions, and are not reactive with water.



### HMIS III Rating

<b>Health</b>	: 1 Slight Hazard - Irritation or minor reversible injury possible.
<b>Flammability</b>	: 0 - Minimal Hazard.
<b>Physical</b>	: 0 - Minimal Hazard.

### Party Responsible for the Preparation of This Document

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*This information is based on our current knowledge and is intended to describe the product for the purposes of health, safety and environmental requirements only. It should not therefore be construed as guaranteeing any specific property of the product.*

North America GHS SDS 2015 (U.S., Can., Méj.)