

Product Number: NF31  
Product Name: Citrullinated  
Human  
Fibrinogen  
Revision: 220818

**1.1 Product Identification**

Product Name: NF31 Citrullinated Human Fibrinogen  
Product Number: NF31  
Brand: Oxford Biomedical Research

**1.2 Supplier**

Company: Oxford Biomedical Research, Inc.  
PO Box 522  
Oxford, MI 48371  
USA  
Contact: 248-852-8815  
[info@oxfordbiomed.com](mailto:info@oxfordbiomed.com)

**1.3 Relevant Uses**

Identified uses: Research Assay

**1.4 Emergency Contact Number**

Contact: 248-852-8815

**2.1 Classification of the substance or mixture**

Acute toxicity (category 4), skin corrosion (category 1C), serious eye damage (category 1), reproductive toxicity (category 1B)

**2.2 GHS Label or Precautionary Statements**

Harmful if swallowed. Causes severe skin burns and eye damage. May damage fertility or the unborn child.

**2.3 Hazards not otherwise classified**

None

**3.1 Substances: Citrullinated Human Fibrinogen (1mg)**

Imidazole Acute Tox. 4; Skin Corr. 1C; Eye Dam. 1; Repr. 1B; H302, H314, H318, H360

#### 4.1 **Description of first aid measures**

##### **If inhaled**

If breathed in, move person into fresh air. If not breathing, give artificial respiration. Call a physician.

##### **In case of skin contact**

Wash off with soap and plenty of water. Remove contaminated clothing. Call a physician

##### **In case of eye contact**

Flush eyes with plenty of water. Remove contact lenses. Call an ophthalmologist

##### **If swallowed**

Never give anything by mouth to an unconscious person. Rinse mouth with water (2 glasses at most). Avoid vomiting (risk of perforation). Call a physician. Do not attempt to neutralize.

#### 4.2 **Most important symptoms and effects: acute or delayed**

The most important symptoms/effects are listed in section 2 and 11

#### 4.3 **Recommendations for immediate medical care or special treatment**

Treat symptomatically

#### 5.1 **Extinguishing media**

Use water spray, alcohol resistant foam, dry chemical, or carbon dioxide

#### 5.2 **Special hazards**

Carbon oxides, nitrogen oxides, hydrogen cyanide, hydrogen chloride gas, sodium oxides, ambient fire may liberate hazardous vapors.

### **SECTION 6: Accidental Release Measures**

#### 6.1 **Personal precautions and personal protective equipment**

Standard laboratory personal protective equipment should be utilized.

#### 6.2 **Environmental precautions**

Do not let product enter drains.

#### 6.3 **Methods for containment and clean up**

Wipe with absorbent material and dispose of in suitable container. Cover drains

### **SECTION 7: Handling and Storage**

#### 7.1 **Precautions for safe handling**

Follow standard Good Laboratory Practices while using this product. Do not inhale substance/mixture

7.2	<b>Conditions for safe storage, including any incompatibilities</b>	Keep container tightly closed. Recommended storage temperature is -70°C.
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## **SECTION 8: Exposure Controls/Personal Protection**

8.1	<b>OSHA Permissible Exposure Limits</b>	Contains no substances with occupational exposure limits.
8.2	<b>Exposure controls</b>	Follow standard Good Laboratory Practices while using this product.
8.3	<b>Personal Protective Equipment</b>	
	<b>Eye/face protection</b>	Use eye protection approved by NIOSH or EN166.
	<b>Skin protection</b>	Handle with gloves. Use proper glove removal technique to avoid skin contact. Gloves should be disposed of after use according to standard Good Laboratory Practices. Wash hands after use.
	<b>Body protection</b>	Wear a lab coat in accordance to standard Good Laboratory Practices.
	<b>Respiratory protection</b>	Respiratory protection is not required.
	<b>Control of environmental exposure</b>	Do not let product enter drains

## **SECTION 9: Physical and Chemical Properties**

<b>Appearance</b>	Solid
<b>Odor</b>	Characteristic
<b>Flammability</b>	No data available
<b>Vapor Pressure</b>	No data available
<b>Odor Threshold</b>	No data available
<b>Vapor Density</b>	No data available
<b>pH</b>	No data available
<b>Relative Density</b>	No data available
<b>Melting Point</b>	No data available
<b>Freezing Point</b>	No data available

<b>Solubility</b>	No data available
<b>Boiling Point</b>	No data available
<b>Flash Point</b>	No data available
<b>Evaporation Rate:</b>	No data available
<b>Auto-ignition Temperature</b>	No data available
<b>Decomposition Temperature</b>	No data available
<b>Viscosity</b>	No data available

## **SECTION 10: Stability and Reactivity**

<b>10.1</b>	<b>Reactivity</b>	No data available
<b>10.2</b>	<b>Chemical Stability</b>	Stable under recommended storage conditions
<b>10.3</b>	<b>Possibility of hazardous reactions</b>	Violent reactions possible with strong oxidizing agents, acid chlorides, acid anhydrides, bases

## **SECTION 11: Toxicological Information**

<b>11.1</b>	<b>Toxicity</b>	
	<b>Acute toxicity</b>	No data available
	<b>Skin irritation</b>	May cause skin corrosion or irritation
	<b>Serious eye damage or irritation</b>	May cause serious eye damage
	<b>Respiratory or skin sensitization</b>	No data available
	<b>Germ cell mutagenicity</b>	No data available
	<b>Carcinogenicity</b>	No component of this product present at levels greater than or equal to 0.1% is identified as probable, possible or confirmed human carcinogen.
	<b>Reproductive toxicity</b>	May damage the unborn child
	<b>Specific target organ toxicity</b>	No data available

**Aspiration hazard** No data available

## **SECTION 12: Ecological Information**

<b>12.1</b>	<b>Toxicity</b>	Toxicity to fish, algae, bacteria, daphnia and other aquatic invertebrates.
<b>12.2</b>	<b>Persistence and degradability</b>	No data available
<b>12.3</b>	<b>Bioaccumulation potential</b>	No data available
<b>12.4</b>	<b>Mobility in Soil</b>	No data available
<b>12.5</b>	<b>Other adverse effects</b>	Discharge into the environment must be avoided.

## **SECTION 13: Disposal Considerations**

<b>13.1</b>	<b>Waste treatment methods</b>	Dispose of product with a licensed disposal company.
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## **SECTION 14: Transport Information**

<b>14.1</b>	<b>US DOT</b>	Not dangerous goods
<b>14.2</b>	<b>IMDG</b>	Not dangerous goods
<b>14.3</b>	<b>IATA</b>	Not dangerous goods

## **SECTION 15: Regulatory Information**

No known regulatory requirements.

## **SECTION 16: Other Information**

The above information is believed to be correct but does not purport to be all inclusive and shall be used only as a guide.

Revision date: 8-18-22