



MATERIAL SAFETY DATA SHEET

**Biotin Detector**

1. PRODUCT AND COMPANY INFORMATION

**Product Identifier**

**Product Name:** Biotin Detector

**Product Code:**

**Details of the Supplier**

**Company** XpressBio  
**Address** 4650 Wedgewood Blvd., STE 103  
Frederick, MD 21703  
**Phone** 301-228-2444  
**Fax** 301-560-6570  
**Web** www.xpressbio.com

**Emergency Phone Number:** Contact national poisons unit in your state or country.

**MSDS First Issued:** 10/2009

**MSDS Data Revised:** 3/2019

2. HAZARDS IDENTIFICATION

**Classification of the substance or mixture**

**Main Hazards:** No significant hazard

**Label Elements**

**Risk phrases** No significant hazard

### 3. COMPOSITION AND INFORMATION ON INGREDIENTS

#### **Mixtures**

Name	CAS No.	%	EC No.
ProClin 300		0-0.5%	
Bromonitrodioxane		0-0.5%	
Gentamicin	1405-41-0	0-0.5%	

### 4. FIRST AID MEASURES

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

<b>Inhalation</b>	May cause irritation to mucous membranes. Move the exposed person to fresh air.
<b>Eye Contact</b>	May cause irritation to eyes. Rinse immediately with plenty of water for 15 minutes holding eyelids open. Seek medical attention if irritation or symptoms persist.
<b>Skin Contact</b>	May cause irritation to skin. Wash off immediately with plenty of soap and water. Remove contaminated clothing. Seek medical attention if irritation or symptoms persist.
<b>Ingestion</b>	May cause irritation to mucous membranes. DO NOT INDUCE VOMITING. Seek medical attention if irritation or symptoms persist.

### 5. FIRE FIGHTING MEASURES

#### **Extinguishing media**

Use extinguishing media appropriate to the surrounding fire conditions.

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

Burning produces irritating, toxic, and obnoxious fumes.

#### **Advice for firefighters**

Wear suitable respiratory equipment when necessary.

### 6. ACCIDENTAL RELEASE MEASURES

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

Ensure adequate ventilation of the working area.

### **Methods and material for containment and cleaning up**

Absorb with inert, absorbent material. Transfer to suitable, labelled containers for disposal. Clean spillage area thoroughly with plenty of water.

## 7. HANDLING AND STORAGE

### **Precautions for safe handling**

Avoid contact with eyes and skin. Ensure adequate ventilation of the working area. Adopt best Manual Handling considerations when handling, carrying, and dispensing.

### **Conditions for safe storage, including and incompatibilities**

Store at 2-8°C

Keep container tightly closed. Keep in cool, dry, well ventilated area. Store in correctly labelled containers.

## 8. EXPOSURE CONTROL AND PERSONAL PROTECTION

### **Exposure controls**

#### **Appropriate engineering controls**

Ensure adequate ventilation of the working area.

#### **Individual protection measures**

Wear protective clothing.

#### **Eye/face protection**

In case of splashing, wear approved safety goggles.

#### **Skin/hand protection**

Wear suitable gloves.

## 9. PHYSICAL AND CHEMICAL PROPERTIES

### **Information on basic physical and chemical properties**

**Appearance**            Liquid

**Color**                    Off white

## 10. STABILITY AND REACTIVITY

### **Chemical Stability**

Stable under normal conditions

11. TOXICOLOGICAL INFORMATION

**Further information**

No known adverse health effects.

12. ECOLOGICAL INFORMATION

**Further information**

No known adverse health effects.

13. DISPOSAL CONSIDERATIONS

**Further information**

Dispose of in compliance with all local and national regulations.

14. TRANSPORTATION INFORMATION

**Further information**

This product is not classified as dangerous for carriage.

15. REGULATORY INFORMATION

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

COMMISSION REGULATION (EU) No 453/2010 of 20 May 2010 amending Regulation (EC) No 1907/2006 of the European Parliament and of the Council on the Registration, Evaluation, Authorization and Restriction of Chemicals (REACH), establishing a European Chemicals Agency, amending Directive 1999/45/EC and repealing Council Regulation (EEC) No 793/93 and Commission Regulation (EC) No 1488/94 as well as Council Directive 76/769/EEC and Commission Directives 91/155/EEC, 93/67/EEC, 93/105/EC and 2000/21/EC.

REGULATION (EC) No 1907/2006 OF THE EUROPEAN PARLIAMENT AND OF THE COUNCIL of 18 December 2006 concerning the Registration, Evaluation, Authorization and Restriction of Chemicals (REACH), establishing a European Chemicals Agency, amending Directive 1999/45/EC and repealing Council Regulation (EEC) No 793/93 and Commission Regulation (EC) No 1488/94 as well as Council Directive 76/769/EEC and Commission Directives 91/155/EEC, 93/67/EEC, 93/105/EC and 2000/21/EC.

**Further information**

The SDS is prepared according to 29 CFR 1910.1200.

16. OTHER INFORMATION
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**Further information**

The information supplied in this Safety Data Sheet is designed only as guidance for the safe use, storage and handling of the product. This information is correct to the best of our knowledge and belief at the date of publication however no guarantee is made to its accuracy. This information relates only to the specific material designated and may not be valid for such material used in combination with any other materials or in any other process.



MATERIAL SAFETY DATA SHEET

**Streptavidin Conjugate**

1. PRODUCT AND COMPANY INFORMATION

**Product Identifier**

**Product Name:** Streptavidin Conjugate

**Product Code:**

**Details of the Supplier**

**Company** XpressBio  
**Address** 4650 Wedgewood Blvd., STE 103  
Frederick, MD 21703  
**Phone** 301-228-2444  
**Fax** 301-560-6570  
**Web** www.xpressbio.com

**Emergency Phone Number:** Contact national poisons unit in your state or country.

**MSDS First Issued:** 10/2009

**MSDS Data Revised:** 3/2019

2. HAZARDS IDENTIFICATION

**Classification of the substance or mixture**

**Main Hazards:** No significant hazard

**Label Elements**

**Risk phrases** No significant hazard

### 3. COMPOSITION AND INFORMATION ON INGREDIENTS

#### **Mixtures**

Name	CAS No.	%	EC No.
ProClin 300		0-0.5%	
Bromonitrodioxane		0-0.5%	
Gentamicin	1405-41-0	0-0.5%	

### 4. FIRST AID MEASURES

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

<b>Inhalation</b>	May cause irritation to mucous membranes. Move the exposed person to fresh air.
<b>Eye Contact</b>	May cause irritation to eyes. Rinse immediately with plenty of water for 15 minutes holding eyelids open. Seek medical attention if irritation or symptoms persist.
<b>Skin Contact</b>	May cause irritation to skin. Wash off immediately with plenty of soap and water. Remove contaminated clothing. Seek medical attention if irritation or symptoms persist.
<b>Ingestion</b>	May cause irritation to mucous membranes. DO NOT INDUCE VOMITING. Seek medical attention if irritation or symptoms persist.

### 5. FIRE FIGHTING MEASURES

#### **Extinguishing media**

Use extinguishing media appropriate to the surrounding fire conditions.

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

Burning produces irritating, toxic, and obnoxious fumes.

#### **Advice for firefighters**

Wear suitable respiratory equipment when necessary.

### 6. ACCIDENTAL RELEASE MEASURES

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

Ensure adequate ventilation of the working area.

### **Methods and material for containment and cleaning up**

Absorb with inert, absorbent material. Transfer to suitable, labelled containers for disposal. Clean spillage area thoroughly with plenty of water.

## 7. HANDLING AND STORAGE

### **Precautions for safe handling**

Avoid contact with eyes and skin. Ensure adequate ventilation of the working area. Adopt best Manual Handling considerations when handling, carrying, and dispensing.

### **Conditions for safe storage, including and incompatibilities**

Store at 2-8°C

Keep container tightly closed. Keep in cool, dry, well ventilated area. Store in correctly labelled containers.

## 8. EXPOSURE CONTROL AND PERSONAL PROTECTION

### **Exposure controls**

#### **Appropriate engineering controls**

Ensure adequate ventilation of the working area.

#### **Individual protection measures**

Wear protective clothing.

#### **Eye/face protection**

In case of splashing, wear approved safety goggles.

#### **Skin/hand protection**

Wear suitable gloves.

## 9. PHYSICAL AND CHEMICAL PROPERTIES

### **Information on basic physical and chemical properties**

**Appearance**            Liquid

**Color**                    Off white

## 10. STABILITY AND REACTIVITY

### **Chemical Stability**

Stable under normal conditions



11. TOXICOLOGICAL INFORMATION

**Further information**

No known adverse health effects.

12. ECOLOGICAL INFORMATION

**Further information**

No known adverse health effects.

13. DISPOSAL CONSIDERATIONS

**Further information**

Dispose of in compliance with all local and national regulations.

14. TRANSPORTATION INFORMATION

**Further information**

This product is not classified as dangerous for carriage.

15. REGULATORY INFORMATION

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

COMMISSION REGULATION (EU) No 453/2010 of 20 May 2010 amending Regulation (EC) No 1907/2006 of the European Parliament and of the Council on the Registration, Evaluation, Authorization and Restriction of Chemicals (REACH), establishing a European Chemicals Agency, amending Directive 1999/45/EC and repealing Council Regulation (EEC) No 793/93 and Commission Regulation (EC) No 1488/94 as well as Council Directive 76/769/EEC and Commission Directives 91/155/EEC, 93/67/EEC, 93/105/EC and 2000/21/EC.

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**Further information**

The SDS is prepared according to 29 CFR 1910.1200.

16. OTHER INFORMATION
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**Further information**

The information supplied in this Safety Data Sheet is designed only as guidance for the safe use, storage and handling of the product. This information is correct to the best of our knowledge and belief at the date of publication however no guarantee is made to its accuracy. This information relates only to the specific material designated and may not be valid for such material used in combination with any other materials or in any other process.



MATERIAL SAFETY DATA SHEET

**Calibrator**

1. PRODUCT AND COMPANY INFORMATION

**Product Identifier**

**Product Name:** Calibrator  
**Product Code:**

**Details of the Supplier**

**Company** XpressBio  
**Address** 4650 Wedgewood Blvd., STE 103  
Frederick, MD 21703  
**Phone** 301-228-2444  
**Fax** 301-560-6570  
**Web** www.xpressbio.com

**Emergency Phone Number:** Contact national poisons unit in your state or country.

**MSDS First Issued:** 10/2009

**MSDS Data Revised:** 3/2019

2. HAZARDS IDENTIFICATION

**Classification of the substance or mixture**

**Main Hazards:** HCV by FDA approved tests, no test method can offer complete assurance that the above mentioned or any other infectious agents are absent, this reagent should be handled as recommended for any potentially infectious human serum or blood specimen.

**Label Elements****Risk phrases** No significant hazard.

3. COMPOSITION AND INFORMATION ON INGREDIENTS
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**Mixtures**

Name	CAS No.	%	EC No.
Sodium azide (Sodium azide (as NaN <sub>3</sub> ))	26628-22-8		247-852-1

**Hazardous Ingredients** Biohazardous material**Further information** No substance is present at a concentration level, specified by EC Directive, which presents a health or environmental hazard.

4. FIRST AID MEASURES
-----------------------

**Description of first aid measures**

**Eye Contact** May cause irritation to eyes. Rinse immediately with plenty of water for 15 minutes holding eyelids open.

**Skin Contact** May cause irritation to skin. Wash with soap and water.

**Ingestion** Flush mouth with water, without swallowing.

**General Information**

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

5. FIRE FIGHTING MEASURES
---------------------------

**Extinguishing media**

Use extinguishing media appropriate to the surrounding fire conditions.

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

Burning produces irritating, toxic, and obnoxious fumes.

**Advice for firefighters**

Wear suitable respiratory equipment when necessary.

## 6. ACCIDENTAL RELEASE MEASURES

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

Wear suitable protective equipment.

### **Methods and material for containment and cleaning up**

Collect spilled liquid with absorbent material and place in a container for suitable disposal. Clean area thoroughly with disinfectant. Flush down the drain with plenty of water.

## 7. HANDLING AND STORAGE

### **Precautions for safe handling**

Handle as if capable of transmitting a disease.

### **Conditions for safe storage, including and incompatibilities**

Store at 2-8°C

## 8. EXPOSURE CONTROL AND PERSONAL PROTECTION

### **Exposure controls**

#### **Individual protection measures**

Wear suitable protective equipment.

#### **Eye/face protection**

Handle as if potentially infectious.

#### **Skin/hand protection**

Face shield. Safety goggles.

Latex rubber gloves.

## 9. PHYSICAL AND CHEMICAL PROPERTIES

### **Information on basic physical and chemical properties**

**Appearance**            Liquid

**Color**                    Off white

## 10. STABILITY AND REACTIVITY

### **Chemical Stability**

Stable under normal conditions

11. TOXICOLOGICAL INFORMATION

**Further information**

No data is available on this product.

12. ECOLOGICAL INFORMATION

**Further information**

No data is available on this product.

13. DISPOSAL CONSIDERATIONS

**General information**

Dispose of in compliance with all local and national regulations.

**Disposal methods**

Disposal should be made in accordance with existing procedures / protocols currently in place at facility for infectious waste.

**Disposal of packaging**

Do NOT reuse empty containers.

14. TRANSPORTATION INFORMATION

**Further information**

This product is not classified as dangerous for carriage.

15. REGULATORY INFORMATION

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

COMMISSION REGULATION (EU) No 453/2010 of 20 May 2010 amending Regulation (EC) No 1907/2006 of the European Parliament and of the Council on the Registration, Evaluation, Authorization and Restriction of Chemicals (REACH), establishing a European Chemicals Agency, amending Directive 1999/45/EC and repealing Council Regulation (EEC) No 793/93 and Commission Regulation (EC) No 1488/94 as well as Council Directive 76/769/EEC and Commission Directives 91/155/EEC, 93/67/EEC, 93/105/EC and 2000/21/EC.

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**Further information**

The SDS is prepared according to 29 CFR 1910.1200.

16. OTHER INFORMATION
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**Text of hazard statements in Section 3**

EUH032 – Contact with acids liberates very toxic gas.

Acute Tox. 2: H300 – fatal if swallowed.

Aquatic Acute 1: H400 – Very toxic to aquatic life.

Aquatic Chronic 1: H410 – Very toxic to aquatic life with long lasting effects.

**Further information**

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MATERIAL SAFETY DATA SHEET

**Wash Buffer**

1. PRODUCT AND COMPANY INFORMATION

**Product Identifier**

**Product Name:** Wash Buffer  
**Product Code:**

**Details of the Supplier**

**Company** XpressBio  
**Address** 4650 Wedgewood Blvd., STE 103  
Frederick, MD 21703  
**Phone** 301-228-2444  
**Fax** 301-560-6570  
**Web** www.xpressbio.com

**Emergency Phone Number:** Contact national poisons unit in your state or country.

**MSDS First Issued:** 10/2009

**MSDS Data Revised:** 3/2019

2. HAZARDS IDENTIFICATION

**Classification of the substance or mixture**

**Main Hazards:** No significant hazard.

**Label Elements**

**Risk phrases** No significant hazard.



### 3. COMPOSITION AND INFORMATION ON INGREDIENTS

#### **Mixtures**

Name	CAS No.	%	EC No.
Trizma HCL	1185-53-1	1-10%	214-684-5
ProClin 200		0-0.5%	
Tween 20 CH016	9005-64-5	0-0.5%	500-018-3

#### **Further information**

No substance is present at a concentration level, specified by EC Directive, which presents a health or environmental hazard.

### 4. FIRST AID MEASURES

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

<b>Inhalation</b>	May cause irritation to mucous membranes. Move the exposed person to fresh air.
<b>Eye Contact</b>	May cause irritation to eyes. Rinse immediately with plenty of water for 15 minutes holding eyelids open. Seek medical attention if irritation or symptoms persist.
<b>Skin Contact</b>	May cause irritation to skin. n. Wash off immediately with plenty of soap and water. Remove contaminated clothing. Seek medical attention if irritation or symptoms persist.
<b>Ingestion</b>	May cause irritation to mucous membranes. DO NOT INDUCE VOMITING. Seek medical attention if irritation or symptoms persist

### 5. FIRE FIGHTING MEASURES

#### **Extinguishing media**

Use extinguishing media appropriate to the surrounding fire conditions.

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

Burning produces irritating, toxic, and obnoxious fumes.

#### **Advice for firefighters**

Wear suitable respiratory equipment when necessary.

## 6. ACCIDENTAL RELEASE MEASURES

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

Ensure adequate ventilation of the working area.

### **Environmental precautions**

Do not allow product to enter drains.

### **Methods and material for containment and cleaning up**

Absorb with inert, absorbent material. Clean spillage area thoroughly with plenty of water. Transfer to suitable, labelled containers for disposal.

## 7. HANDLING AND STORAGE

### **Precautions for safe handling**

Avoid contact with eyes and skin. Ensure adequate ventilation of the working area. Adopt best Manual Handling considerations when handling, carrying and dispensing.

### **Conditions for safe storage, including and incompatibilities**

Keep container tightly closed. Keep in a cool, dry, well ventilated area. Store in correctly labelled containers.

## 8. EXPOSURE CONTROL AND PERSONAL PROTECTION

### **Exposure controls**

<b>Appropriate engineering controls</b>	Ensure adequate ventilation of the working area.
<b>Individual protection measures</b>	Wear protective clothing.
<b>Eye/face protection</b>	In case of splashing, wear eye protection.
<b>Skin/hand protection</b>	Wear suitable gloves.

## 9. PHYSICAL AND CHEMICAL PROPERTIES

### **Information on basic physical and chemical properties**

<b>Appearance</b>	Liquid
<b>Color</b>	Blue

10. STABILITY AND REACTIVITY

**Chemical Stability**

Stable under normal conditions

11. TOXICOLOGICAL INFORMATION

**Further information**

To the best of our knowledge, the chemical, physical and toxicological properties have not been thoroughly investigated.

12. ECOLOGICAL INFORMATION

**Further information**

No known adverse environmental effects.

13. DISPOSAL CONSIDERATIONS

**General information**

Dispose of in compliance with all local and national regulations.

14. TRANSPORTATION INFORMATION

**Further information**

This product is not classified as dangerous for carriage.

15. REGULATORY INFORMATION

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

COMMISSION REGULATION (EU) No 453/2010 of 20 May 2010 amending Regulation (EC) No 1907/2006 of the European Parliament and of the Council on the Registration, Evaluation, Authorization and Restriction of Chemicals (REACH), establishing a European Chemicals Agency, amending Directive 1999/45/EC and repealing Council Regulation (EEC) No 793/93 and Commission Regulation (EC) No 1488/94 as well as Council Directive 76/769/EEC and Commission Directives 91/155/EEC, 93/67/EEC, 93/105/EC and 2000/21/EC.

REGULATION (EC) No 1907/2006 OF THE EUROPEAN PARLIAMENT AND OF THE COUNCIL of 18 December 2006 concerning the Registration, Evaluation,

Authorization and Restriction of Chemicals (REACH), establishing a European Chemicals Agency, amending Directive 1999/45/EC and repealing Council Regulation (EEC) No 793/93 and Commission Regulation (EC) No 1488/94 as well as Council Directive 76/769/EEC and Commission Directives 91/155/EEC, 93/67/EEC, 93/105/EC and 2000/21/EC.

**Further information**

The SDS is prepared according to 29 CFR 1910.1200.

16. OTHER INFORMATION
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**Further information**

The information supplied in this Safety Data Sheet is designed only as guidance for the safe use, storage and handling of the product. This information is correct to the best of our knowledge and belief at the date of publication however no guarantee is made to its accuracy. This information relates only to the specific material designated and may not be valid for such material used in combination with any other materials or in any other process.



MATERIAL SAFETY DATA SHEET

**Substrate**

1. PRODUCT AND COMPANY INFORMATION

**Product Identifier**

**Product Name:** Substrate  
**Product Code:**

**Details of the Supplier**

**Company** XpressBio  
**Address** 4650 Wedgewood Blvd., STE 103  
Frederick, MD 21703  
**Phone** 301-228-2444  
**Fax** 301-560-6570  
**Web** www.xpressbio.com

**Emergency Phone Number:** Contact national poisons unit in your state or country.

**MSDS First Issued:** 10/2009

**MSDS Data Revised:** 3/2019

2. HAZARDS IDENTIFICATION

**Classification of the substance or mixture**

**Main Hazards:** No significant hazard.

**Label Elements**

**Risk phrases** No significant hazard.

### 3. COMPOSITION AND INFORMATION ON INGREDIENTS

#### **Mixtures**

Name	CAS No.	%	EC No.
SureBlue TMB Microwell Peroxidase Substrate (1-component)	Proprietary	10-20%	
Hydrogen Peroxide	7722-84-1	0-0.5%	

#### **Further information**

No substance is present at a concentration level, specified by EC Directive, which presents a health or environmental hazard.

### 4. FIRST AID MEASURES

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

**Inhalation** Move the exposed person to fresh air.  
**Eye Contact** May cause irritation to eyes. Rinse immediately with plenty of water for 15 minutes holding eyelids open. Seek medical attention if irritation or symptoms persist.  
**Skin Contact** Wash off immediately with plenty of soap and water. Remove contaminated clothing. Seek medical attention if irritation or symptoms persist.

### 5. FIRE FIGHTING MEASURES

#### **Extinguishing media**

Use extinguishing media appropriate to the surrounding fire conditions. Carbon dioxide (CO<sub>2</sub>). Foam. Water spray.

#### **Advice for firefighters**

Self-contained breathing apparatus.

### 6. ACCIDENTAL RELEASE MEASURES

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

Wear suitable protective equipment.

### **Methods and material for containment and cleaning up**

Transfer to suitable, labelled containers for disposal.

## 7. HANDLING AND STORAGE

### **Precautions for safe handling**

Wear protective clothing.

### **Conditions for safe storage, including and incompatibilities**

2-8°C

## 8. EXPOSURE CONTROL AND PERSONAL PROTECTION

### **Exposure controls**

<b>Appropriate engineering controls</b>	Ensure adequate ventilation of the working area.
<b>Individual protection measures</b>	Wear protective clothing.
<b>Eye/face protection</b>	Safety glasses.
<b>Skin/hand protection</b>	Wear suitable gloves.
<b>Respiratory protection</b>	Use in a well ventilated area.
<b>Environmental exposure controls</b>	Do not eat, drink, or smoke in areas where this product is used or stored.

## 9. PHYSICAL AND CHEMICAL PROPERTIES

### **Information on basic physical and chemical properties**

**Appearance**            Aqueous solution

**Color**                    Clear

**Initial boiling point** 100

## 10. STABILITY AND REACTIVITY

### **Chemical Stability**

Stable under normal conditions

### **Conditions to avoid**

Heat, sparks, and open flames.

11. TOXICOLOGICAL INFORMATION

**Further information**

When used and handled according to the specifications, the solution does not have a toxicological effect.

12. ECOLOGICAL INFORMATION

**Further information**

No data is available on this product.

13. DISPOSAL CONSIDERATIONS

**General information**

Dispose of in compliance with all local and national regulations.

14. TRANSPORTATION INFORMATION

**Further information**

This product is not classified as dangerous for carriage.

15. REGULATORY INFORMATION

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

COMMISSION REGULATION (EU) No 453/2010 of 20 May 2010 amending Regulation (EC) No 1907/2006 of the European Parliament and of the Council on the Registration, Evaluation, Authorization and Restriction of Chemicals (REACH), establishing a European Chemicals Agency, amending Directive 1999/45/EC and repealing Council Regulation (EEC) No 793/93 and Commission Regulation (EC) No 1488/94 as well as Council Directive 76/769/EEC and Commission Directives 91/155/EEC, 93/67/EEC, 93/105/EC and 2000/21/EC.

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**Further information**

The SDS is prepared according to 29 CFR 1910.1200.

16. OTHER INFORMATION
-----------------------

**Further information**

The information supplied in this Safety Data Sheet is designed only as guidance for the safe use, storage and handling of the product. This information is correct to the best of our knowledge and belief at the date of publication however no guarantee is made to its accuracy. This information relates only to the specific material designated and may not be valid for such material used in combination with any other materials or in any other process.



MATERIAL SAFETY DATA SHEET

## **Stop Solution**

### 1. PRODUCT AND COMPANY INFORMATION

#### **Product Identifier**

**Product Name:** Stop solution  
**Product Code:**

#### **Details of the Supplier**

**Company** XpressBio  
**Address** 4650 Wedgewood Blvd., STE 103  
Frederick, MD 21703  
**Phone** 301-228-2444  
**Fax** 301-560-6570  
**Web** www.xpressbio.com

**Emergency Phone Number:** Contact national poisons unit in your state or country.

**MSDS First Issued:** 10/2009

**MSDS Data Revised:** 3/2019

### 2. HAZARDS IDENTIFICATION

#### **Classification of the substance or mixture**

**Classification - EC 1272/2008** Skin Irrit. 2: H315; Eye Irrit. 2: H319

#### **Label Elements**

**Hazard pictograms**  
**Signal word**



Warning

**Hazard statement** Skin Irrit. 2: H315 – Causes skin irritation.  
 Eye Irrit. 2: H319 – Causes serious eye irritation.

**Precautionary Statement: Prevention:** P264 - Wash thoroughly after handling.  
 P280 - Wear protective gloves/protective clothing/eye protection/face protection.

**Precautionary Statement: Response:** P302+P352 - IF ON SKIN: Wash with plenty of water.  
 P305+P351+P338 - IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.  
 P321 - Specific treatment (see on this label).  
 P332+P313 - If skin irritation occurs: Get medical advice/attention.  
 P337+P313 - If eye irritation persists: Get medical advice/attention.

3. COMPOSITION AND INFORMATION ON INGREDIENTS
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**Mixtures**

Name	CAS No.	%	EC No.
Sulfuric Acid...% (Sulphuric acid (mist))	7664-93-9	1-10%	

**Further information** No substance is present at a concentration level, specified by EC Directive, which presents a health or environmental hazard.

4. FIRST AID MEASURES
-----------------------

**Description of first aid measures**

**Inhalation** Inhalation may cause coughing, tightness of the chest and irritation of the respiratory system. Irritating to respiratory system. Move the exposed person to fresh air. Seek medical attention.

**Eye Contact** Irritating to eyes. Rinse immediately with plenty of water for 15 minutes holding the eyelids open. Seek medical attention if irritation or symptoms persist.

**Skin Contact** Irritating to skin. Wash off immediately with plenty of soap and water. Remove contaminated clothing. Seek medical attention if irritation or symptoms persist.

**Ingestion** DO NOT INDUCE VOMITING. Ingestion may cause nausea and vomiting. Seek medical attention if irritation or symptoms persist.

## 5. FIRE FIGHTING MEASURES

### **Extinguishing media**

Dry chemical. Foam. Water. Carbon dioxide (CO<sub>2</sub>).

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

Burning produces irritating, toxic and obnoxious fumes.

### **Advice for firefighters**

Wear suitable respiratory equipment when necessary.

## 6. ACCIDENTAL RELEASE MEASURES

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

Ensure adequate ventilation of the working area. Wear suitable protective equipment.

### **Environmental precautions**

Do not allow product to enter drains.

### **Methods and material for containment and cleaning up**

Absorb with inert, absorbent material. Transfer to suitable, labelled containers for disposal. Clean spillage area thoroughly with plenty of water.

## 7. HANDLING AND STORAGE

### **Precautions for safe handling**

Adopt best Manual Handling considerations when handling, carrying and dispensing. Avoid contact with eyes and skin. Ensure adequate ventilation of the working area.

### **Conditions for safe storage, including and incompatibilities**

Keep in a cool, dry, well ventilated area. Keep containers tightly closed. Store in correctly labelled containers.

## 8. EXPOSURE CONTROL AND PERSONAL PROTECTION

### **Exposure controls**

#### **Appropriate engineering controls**

Ensure adequate ventilation of the working area.

**Individual protection measures**

Wear chemical protective clothing.

**Eye/face protection**

Approved safety glasses.

**Skin/hand protection**

Wear suitable gloves.

**Respiratory protection**

Wear suitable respiratory equipment when necessary.

9. PHYSICAL AND CHEMICAL PROPERTIES

**Information on basic physical and chemical properties**

**Appearance**            Aqueous solution

**Color**                    Colorless

**Initial boiling point** 100

10. STABILITY AND REACTIVITY

**Chemical Stability**

Stable under normal conditions

11. TOXICOLOGICAL INFORMATION

**Toxicological information**

When used and handled according to the specifications, the solution does not have a toxicological effect.

12. ECOLOGICAL INFORMATION

**Mobility in soil**

When released into soil, this material may leach into groundwater.

13. DISPOSAL CONSIDERATIONS

**General information**

Dispose of in compliance with all local and national regulations.

14. TRANSPORTATION INFORMATION

**Further information**

This product is not classified as dangerous for carriage.

15. REGULATORY INFORMATION
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**Safety, health, and environmental regulations/legislation specific for the substance or mixture**

COMMISSION REGULATION (EU) No 453/2010 of 20 May 2010 amending Regulation (EC) No 1907/2006 of the European Parliament and of the Council on the Registration, Evaluation, Authorization and Restriction of Chemicals (REACH), establishing a European Chemicals Agency, amending Directive 1999/45/EC and repealing Council Regulation (EEC) No 793/93 and Commission Regulation (EC) No 1488/94 as well as Council Directive 76/769/EEC and Commission Directives 91/155/EEC, 93/67/EEC, 93/105/EC and 2000/21/EC.

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**Further information**

The SDS is prepared according to 29 CFR 1910.1200.

16. OTHER INFORMATION
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**Further information**

The information supplied in this Safety Data Sheet is designed only as guidance for the safe use, storage and handling of the product. This information is correct to the best of our knowledge and belief at the date of publication however no guarantee is made to its accuracy. This information relates only to the specific material designated and may not be valid for such material used in combination with any other materials or in any other process.



MATERIAL SAFETY DATA SHEET

**Lysis Buffer**

1. PRODUCT AND COMPANY INFORMATION

**Product Identifier**

**Product Name:** Lysis Buffer  
**Product Code:**

**Details of the Supplier**

**Company** XpressBio  
**Address** 4650 Wedgewood Blvd., STE 103  
Frederick, MD 21703  
**Phone** 301-228-2444  
**Fax** 301-560-6570  
**Web** www.xpressbio.com

**Emergency Phone Number:** Contact national poisons unit in your state or country.

**MSDS First Issued:** 10/2009

**MSDS Data Revised:** 3/2019

2. HAZARDS IDENTIFICATION

**Classification of the substance or mixture**

**Classification - EC 1272/2008** Skin Irrit. 2: H315; Eye Irrit. 2: H319

**Label Elements**

**Hazard pictograms**  
**Signal word**



**Hazard statement** H302 – Harmful if swallowed.  
H319 – Causes serious eye irritation.  
H411 – Toxic to aquatic life with long lasting effects.

**Precautionary Statement:** P264 – Wash skin thoroughly after handling.  
P270 – Do not eat, drink, or smok when using this product.  
P273 – Avoid release to the environment.  
P280 – Wear eye protection/face protection.  
P301+P312+P330 – IF SWALLOWED: Call a POISON CENTER or doctor/physician if you feel unwell. Rinse mouth.  
P305+351+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.  
P391 – Collect spillage.  
P501 – Dispose of contents/container to an approved waste disposal plant.

3. COMPOSITION AND INFORMATION ON INGREDIENTS
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**Mixtures**

Name	CAS No.	%	EC No.
Triton X-100 ((CHO(CHO))	9002-93-1	5%	
Proclin 200		0-0.5%	

**Further information** No substance is present at a concentration level, specified by EC Directive, which presents a health or environmental hazard.

4. FIRST AID MEASURES
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**Description of first aid measures**

**Inhalation** Inhalation may cause coughing, tightness of the chest and irritation of the respiratory system. Irritating to respiratory system. Move the exposed person to fresh air. Seek medical attention.

**Eye Contact** Irritating to eyes. Rinse immediately with plenty of water for 15 minutes holding the eyelids open. Seek medical attention if irritation or symptoms persist.



**Skin Contact** Irritating to skin. Wash off immediately with plenty of soap and water. Remove contaminated clothing. Seek medical attention if irritation or symptoms persist.

**Ingestion** DO NOT INDUCE VOMITING. Ingestion may cause nausea and vomiting. Seek medical attention if irritation or symptoms persist.

5. FIRE FIGHTING MEASURES

**Extinguishing media**

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

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

Carbon oxides

**Advice for firefighters**

Wear suitable respiratory equipment when necessary.

6. ACCIDENTAL RELEASE MEASURES

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

Ensure adequate ventilation of the working area. Wear suitable protective equipment. Avoid breathing vapors, mist, or gas.

**Environmental precautions**

Do not allow product to enter drains. Discharge into the environment must be avoided.

**Methods and material for containment and cleaning up**

Absorb with inert, absorbent material. Transfer to suitable, labelled containers for disposal. Clean spillage area thoroughly with plenty of water.

7. HANDLING AND STORAGE

**Precautions for safe handling**

Avoid contact with eyes and skin. Avoid inhalation of vapour or mist.

**Conditions for safe storage, including and incompatibilities**

Keep in a cool, dry, well ventilated area. Keep containers tightly closed. Store in correctly labelled containers.

## 8. EXPOSURE CONTROL AND PERSONAL PROTECTION

### **Exposure controls**

#### **Appropriate engineering controls**

Ensure adequate ventilation of the working area.

#### **Individual protection measures**

Wear chemical protective clothing. Wash hands thoroughly.

#### **Eye/face protection**

Face shield and safety glasses.

#### **Skin/hand protection**

Wear suitable gloves.

#### **Respiratory protection**

Wear suitable respiratory equipment when necessary.

## 9. PHYSICAL AND CHEMICAL PROPERTIES

### **Information on basic physical and chemical properties**

**Appearance** Liquid, clear

**Color** Colorless

**Initial boiling point** 200°C

## 10. STABILITY AND REACTIVITY

### **Chemical Stability**

Stable under normal conditions

## 11. TOXICOLOGICAL INFORMATION

### **Toxicological information**

When used and handled according to the specifications, the solution does not have a toxicological effect.

## 12. ECOLOGICAL INFORMATION

### **Further information**

Toxic to aquatic life with long lasting effects.

## 13. DISPOSAL CONSIDERATIONS

### **General information**

Dispose of in compliance with all local and national regulations.

#### 14. TRANSPORTATION INFORMATION

##### **Further information**

This product is not classified as dangerous for carriage.

#### 15. REGULATORY INFORMATION

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##### **Further information**

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#### 16. OTHER INFORMATION

##### **Further information**

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