



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	1405-41-0	0-0.5%	
Bromonitrodioxane		0-0.5%	
Gentamicin		0-0.5%	

4. FIRST AID MEASURES

Description of first aid measures

Inhalation	May cause irritation to mucous membranes. 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	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.
Ingestion	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

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	1405-41-0	0-0.5%	
Bromonitrodioxane		0-0.5%	
Gentatmicin		0-0.5%	

4. FIRST AID MEASURES

Description of first aid measures

Inhalation	May cause irritation to mucous membranes. 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	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.
Ingestion	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

Eye/face protection

Wear protective clothing.

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

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

Mixtures

Name	CAS No.	%	EC No.
ProClin 300		0-0.5%	
Bromonitrodioxane	30007-47-7	0-0.5%	
Gentamicin	1403-66-3	0-0.5%	

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.

Handle as if potentially infectious.

Eye/face protection

Face shield. Safety goggles.

Skin/hand protection

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.

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

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

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

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	9005-64-5	0-0.5%	500-018-3
Tween 20 CH016		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	May cause irritation to mucous membranes. 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	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.
Ingestion	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

Appropriate engineering controls

Ensure adequate ventilation of the working area.

Individual protection measures

Wear protective clothing.

Eye/face protection

In case of splashing, wear eye protection.

Skin/hand protection

Wear suitable gloves.

9. PHYSICAL AND CHEMICAL PROPERTIES

Information on basic physical and chemical properties

Appearance

Liquid

Color

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

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 (CO₂). 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****Appropriate engineering controls**

Ensure adequate ventilation of the working area.

Individual protection measures**Eye/face protection**

Wear protective clothing.

Skin/hand protection

Safety glasses.

Respiratory protection

Wear suitable gloves.

Environmental exposure controls

Use in a well ventilated area.

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.

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

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:	P264 - Wash thoroughly after handling.
Prevention:	P280 - Wear protective gloves/protective clothing/eye protection/face protection.
Precautionary Statement:	P302+P352 - IF ON SKIN: Wash with plenty of water.
Response:	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

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 (CO₂).

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**Eye/face protection****Skin/hand protection****Respiratory protection**

Wear chemical protective clothing.
Approved safety glasses.
Wear suitable gloves.
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

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

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



Warning

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 smoke 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+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.

P391 – Collect spillage.

P501 – Dispose of contents/container to an approved waste disposal plant.

3. COMPOSITION AND INFORMATION ON INGREDIENTS

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

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

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

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.