MATERIAL SAFETY DATA SHEET

Conjugate

1. PRODUCT AND COMPANY INFORMATION

**Product Identifier**

**Product Name:** Conjugate

**Details of the Supplier**

**Company:** XpressBio

**Address:** P.O. BOX 576
Frederick, MD 21705

**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:** 8/2015

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

<table>
<thead>
<tr>
<th>Name</th>
<th>CAS No.</th>
<th>%</th>
<th>EC No.</th>
</tr>
</thead>
<tbody>
<tr>
<td>ProClin 300</td>
<td></td>
<td>0-0.5%</td>
<td></td>
</tr>
<tr>
<td>Bromonitrodioxane</td>
<td>1405-41-0</td>
<td>0-0.5%</td>
<td></td>
</tr>
<tr>
<td>Gentamicin</td>
<td></td>
<td>0-0.5%</td>
<td></td>
</tr>
</tbody>
</table>

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


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

Positive Control

1. PRODUCT AND COMPANY INFORMATION

Product Identifier
Product Name: Positive Control

Details of the Supplier
Company: XpressBio
Address: P.O. BOX 576
Frederick, MD 21705
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: 8/2015

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

<table>
<thead>
<tr>
<th>Name</th>
<th>CAS No.</th>
<th>%</th>
<th>EC No.</th>
</tr>
</thead>
<tbody>
<tr>
<td>Methychloroisothiazolinone</td>
<td>26172-55-4</td>
<td>0-1%</td>
<td></td>
</tr>
</tbody>
</table>

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**
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 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**


**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.
1. PRODUCT AND COMPANY INFORMATION

Product Identifier
Product Name: Negative Control
Product Code:

Details of the Supplier
Company XpressBio
Address P.O. BOX 576
Frederick, MD 21705
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: 8/2015

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

<table>
<thead>
<tr>
<th>Name</th>
<th>CAS No.</th>
<th>%</th>
<th>EC No.</th>
</tr>
</thead>
<tbody>
<tr>
<td>Methychloroisothiazolinone</td>
<td>26172-55-4</td>
<td>0-1%</td>
<td></td>
</tr>
</tbody>
</table>

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**
  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 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


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

Serum Diluent

1. PRODUCT AND COMPANY INFORMATION

Product Identifier
Product Name: Serum Diluent
Product Code:

Details of the Supplier
Company: XpressBio
Address: P.O. BOX 576
Frederick, MD 21705
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: 8/2015

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

<table>
<thead>
<tr>
<th>Name</th>
<th>CAS No.</th>
<th>%</th>
<th>EC No.</th>
</tr>
</thead>
<tbody>
<tr>
<td>Sodium phosphate monobasic monohydrate</td>
<td>10049-21-5</td>
<td>0-0.5%</td>
<td></td>
</tr>
<tr>
<td>Sodium phosphate dibasic anhydrous</td>
<td>7558-79-4</td>
<td>0-0.5%</td>
<td></td>
</tr>
<tr>
<td>Tween 20</td>
<td>9005-64-5</td>
<td>0-0.5%</td>
<td>500-018-3</td>
</tr>
<tr>
<td>ProClin 200</td>
<td></td>
<td>0-0.5%</td>
<td></td>
</tr>
</tbody>
</table>

**Description**

Non hazardous

**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. 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.

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.

Precautions for safe handling
Avoid contact with eyes and skin.

Conditions for safe storage, including and incompatibilities
Keep container tightly closed. Keep in a cool, dry, well ventilated area. Store in correctly labelled containers.

2-8°C

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.

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

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

Authorization and Restriction of Chemicals (REACH), establishing a European
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

Wash Buffer

1. PRODUCT AND COMPANY INFORMATION

Product Identifier
Product Name: Wash Buffer
Product Code:

Details of the Supplier
Company: XpressBio
Address: P.O. BOX 576
Frederick, MD 21705
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: 8/2015

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

<table>
<thead>
<tr>
<th>Name</th>
<th>CAS No.</th>
<th>%</th>
<th>EC No.</th>
</tr>
</thead>
<tbody>
<tr>
<td>Trizma HCL</td>
<td>1185-53-1</td>
<td>1-10%</td>
<td>214-684-5</td>
</tr>
<tr>
<td>ProClin 200</td>
<td>9005-64-5</td>
<td>0-0.5%</td>
<td>500-018-3</td>
</tr>
<tr>
<td>Tween 20 CH016</td>
<td></td>
<td>0-0.5%</td>
<td></td>
</tr>
</tbody>
</table>

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. 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**


**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: P.O. BOX 576
Frederick, MD 21705
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**: 8/2015

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

<table>
<thead>
<tr>
<th>Name</th>
<th>CAS No.</th>
<th>%</th>
<th>EC No.</th>
</tr>
</thead>
<tbody>
<tr>
<td>([2,2’OAZINO-bis-(3-ethylbenziazoline-6-sulfonic acid])</td>
<td>Proprietary 30931-67-0</td>
<td>250-396-5</td>
<td></td>
</tr>
</tbody>
</table>

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
Wear protective clothing.

Eye/face protection
Safety glasses.

Skin/hand protection
Wear suitable gloves.

Respiratory protection
Use in a well ventilated area.

Environmental exposure controls
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**


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 P.O. BOX 576
Frederick, MD 21705
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: 8/2015

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 Warning

Signal word
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

<table>
<thead>
<tr>
<th>Name</th>
<th>CAS No.</th>
<th>%</th>
<th>EC No.</th>
</tr>
</thead>
<tbody>
<tr>
<td>Sodium Fluoride</td>
<td>7681-49-4</td>
<td>&gt;95%</td>
<td></td>
</tr>
</tbody>
</table>

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

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

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


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.