

Product Number: EA70
Product Name: Estradiol EIA kit
Revision: 200627

1.1 Product Identification

Product Name: EA70 EIA Buffer
Product Number: EA70
Brand: Oxford Biomedical Research

1.2 Supplier

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

1.3 Relevant Uses

Identified uses: Research Assay

1.4 Emergency Contact Number

Contact: 248-852-8815

2.1 Classification of the substance or mixture

Not a significant hazard

2.2 GHS Label or Precautionary Statements

Not a significant hazard

2.3 Hazards not otherwise classified

Contains materials that may damage fertility or unborn child.
Contains substances that are hazardous to the environment

3.1 Substances: EIA Buffer (30mL)

Thimerosal Acute Tox. 2: H300+H330
Acute Tox. 1: H310; STOT
RE 2: H373; Aquatic Acute 1: H400;
Aquatic Chronic 1: H410;

4.1 Description of first aid measures

If inhaled

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

In case of skin contact

Wash off with soap and plenty of water.

In case of eye contact

Flush eyes with water as a precaution.

If swallowed

Never give anything by mouth to an unconscious person. Rinse mouth with water.

4.2 Most important symptoms and effects: acute or delayed

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

4.3 Recommendations for immediate medical care or special treatment

Treat symptomatically

5.1 Extinguishing media

Use water spray, dry chemical, or carbon dioxide

5.2 Special hazards

Contains substances that are hazardous to the environment. Don't allow undiluted product to be released into the ground water, water course, or sewage system.

SECTION 6: Accidental Release Measures

6.1 Personal precautions and personal protective equipment

Standard laboratory personal protective equipment should be utilized.

6.2 Environmental precautions

Clean spillage area thoroughly with water. Don't flush into surface water or let it contaminate subsoil

6.3 Methods for containment and clean up

Wipe with absorbent material and dispose of in suitable container.

SECTION 7: Handling and Storage

7.1 Precautions for safe handling

Follow standard Good Laboratory Practices while using this product.

7.2 Conditions for safe storage, including any incompatibilities

Keep container tightly closed. Recommended storage temperature is 4°C.

SECTION 8: Exposure Controls/Personal Protection

8.1	OSHA Permissible Exposure Limits	Contains no substances with occupational exposure limits.
8.2	Exposure controls	Follow standard Good Laboratory Practices while using this product.
8.3	Personal Protective Equipment	
	Eye/face protection	Use eye protection approved by NIOSH or EN166.
	Skin protection	Handle with gloves. Use proper glove removal technique to avoid skin contact. Gloves should be disposed of after use according to standard Good Laboratory Practices. Wash hands after use.
	Body protection	Wear a lab coat in accordance to standard Good Laboratory Practices.
	Respiratory protection	Respiratory protection is not required.
	Control of environmental exposure	Exposure above the recommended exposure limits may cause adverse health effects. Keep clothing from being in contact with the product

SECTION 9: Physical and Chemical Properties

Appearance	Clear Liquid
Odor	None
Flammability	Not applicable
Vapor Pressure	No data available
Odor Threshold	No data available
Vapor Density	No data available
pH	No data available
Relative Density	No data available
Melting Point	Not applicable
Freezing Point	No data available
Solubility	Soluble in water
Boiling Point	No data available
Flash Point	No data available

Evaporation Rate:	No data available
Auto-ignition Temperature	No data available
Decomposition Temperature	No data available
Viscosity	No data available

SECTION 10: Stability and Reactivity

10.1	Reactivity	Stable under normal conditions
10.2	Chemical Stability	Stable under recommended storage conditions
10.3	Possibility of hazardous reactions	No hazardous reactions known if used as intended.

SECTION 11: Toxicological Information

11.1	Toxicity	
	Acute toxicity	On available data, the classification criteria are not met. But, this product does contain substances classified as hazardous.
	Skin irritation	May cause redness and irritation in sensitive individuals
	Serious eye damage or irritation	May cause redness and irritation in sensitive individuals
	Respiratory or skin sensitization	May cause respiratory irritations in sensitive individuals
	Germ cell mutagenicity	No mutagenic effects reported
	Carcinogenicity	No component of this product present at levels greater than or equal to 0.1% is identified as probable, possible or confirmed human carcinogen.
	Reproductive toxicity	Contains components that might damage fertility or the unborn child.
	Specific target organ toxicity	Might cause allergy or asthma symptoms if inhaled

Aspiration hazard Not a significant hazard.

SECTION 12: Ecological Information

12.1	Toxicity	No data available
12.2	Persistence and degradability	No data available
12.3	Bioaccumulation potential	No data available
12.4	Mobility in Soil	No data available
12.5	Other adverse effects	Contains substances that are hazardous to the environment. Specific data not available

SECTION 13: Disposal Considerations

13.1	Waste treatment methods	Dispose of product with a licensed disposal company.
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SECTION 14: Transport Information

14.1	US DOT	Not dangerous goods
14.2	IMDG	Not dangerous goods
14.3	IATA	Not dangerous goods

SECTION 15: Regulatory Information

No known regulatory requirements.

SECTION 16: Other Information

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

Revision date: 6-27-20

1.1 **Product Identification**

Product Name: EA70 10x Wash Buffer
Product Number: EA70
Brand: Oxford Biomedical Research

1.2 **Supplier**

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

1.3 **Relevant Uses**

Identified uses: Research Assay

1.4 **Emergency Contact Number**

Contact: 248-852-8815

2.1 **Classification of the substance or mixture**

Not a hazardous substance or mixture.

2.2 **GHS Label or Precautionary Statements**

Not a hazardous substance or mixture.

2.3 **Hazards not otherwise classified**

Contains materials that might be harmful if swallowed.

3.1 **Substances: 10x Wash Buffer (20mL)**

Doesn't contain any harmful substances

4.1 **Description of first aid measures**

If inhaled

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

In case of skin contact

Wash off with soap and plenty of water.

In case of eye contact

Flush eyes with water as a precaution.

If swallowed

Never give anything by mouth to an unconscious person. Rinse mouth with water.

4.2 Most important symptoms and effects: acute or delayed

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

4.3 Recommendations for immediate medical care or special treatment

Treat symptomatically

5.1 Extinguishing media

Use water spray, dry chemical, or carbon dioxide

5.2 Special hazards

Don't allow undiluted product to be released to ground water, water course, or sewage system.

SECTION 6: Accidental Release Measures

6.1 Personal precautions and personal protective equipment

Standard laboratory personal protective equipment should be utilized.

6.2 Environmental precautions

Clean spillage thoroughly with plenty of water
Don't flush into surface water. Don't let the product contaminate subsoil

6.3 Methods for containment and clean up

Wipe with absorbent material and dispose of in suitable container.

SECTION 7: Handling and Storage

7.1 Precautions for safe handling

Follow standard Good Laboratory Practices while using this product.

7.2 Conditions for safe storage, including any incompatibilities

Keep container tightly closed. Recommended storage temperature is 4°C.

SECTION 8: Exposure Controls/Personal Protection

8.1 OSHA Permissible Exposure Limits

Contains no substances with occupational exposure limits.

8.2	Exposure controls	Follow standard Good Laboratory Practices while using this product.
8.3	Personal Protective Equipment	
	Eye/face protection	Use eye protection approved by NIOSH or EN166.
	Skin protection	Handle with gloves. Use proper glove removal technique to avoid skin contact. Gloves should be disposed of after use according to standard Good Laboratory Practices. Wash hands after use.
	Body protection	Wear a lab coat in accordance to standard Good Laboratory Practices.
	Respiratory protection	Respiratory protection is not required.
	Control of environmental exposure	Exposure above the recommended exposure limit may cause adverse health effects. Protect clothing from coming into contact with product

SECTION 9: Physical and Chemical Properties

Appearance	Clear, Colorless Liquid
Odor	None
Flammability	Not applicable
Vapor Pressure	No data available
Odor Threshold	No data available
Vapor Density	No data available
pH	No data available
Relative Density	No data available
Melting Point	No data available
Freezing Point	No data available
Solubility	Soluble in water
Boiling Point	No data available
Flash Point	No data available
Evaporation Rate:	No data available
Auto-ignition Temperature	No data available

Decomposition Temperature No data available

Viscosity No data available

SECTION 10: Stability and Reactivity

- 10.1 Reactivity** Stable under normal conditions
- 10.2 Chemical Stability** Stable under recommended storage conditions
- 10.3 Possibility of hazardous reactions** No hazardous reactions known if used as intended.

SECTION 11: Toxicological Information

- 11.1 Toxicity**
- Acute toxicity** Based on available data, classification criteria are not met
- Skin irritation** May cause redness and irritation in sensitive individuals
- Serious eye damage or irritation** May cause redness and irritation in sensitive individuals
- Respiratory or skin sensitization** May cause respiratory irritation in sensitive individuals
- Germ cell mutagenicity** No mutagenic affects
- Carcinogenicity** No component of this product present at levels greater than or equal to 0.1% is identified as probable, possible or confirmed human carcinogen.
- Reproductive toxicity** No effects reported
- Specific target organ toxicity** May cause allergy or asthma symptoms
- Aspiration hazard** No significant hazard

SECTION 12: Ecological Information

12.1	Toxicity	No data available
12.2	Persistence and degradability	No data available
12.3	Bioaccumulation potential	No data available
12.4	Mobility in Soil	No data available
12.5	Other adverse effects	Specific test data not available

SECTION 13: Disposal Considerations

13.1	Waste treatment methods	Dispose of product with a licensed disposal company.
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SECTION 14: Transport Information

14.1	US DOT	Not dangerous goods
14.2	IMDG	Not dangerous goods
14.3	IATA	Not dangerous goods

SECTION 15: Regulatory Information

No known regulatory requirements.

SECTION 16: Other Information

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

Revision date: 6-27-20

1.1 **Product Identification**

Product Name: K-Blue Substrate TMB
Product Number: EA70
Brand: Oxford Biomedical Research

1.2 **Supplier**

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

1.3 **Relevant Uses**

Identified uses: Research Assay

1.4 **Emergency Contact Number**

Contact: 248-852-8815

2.1 **Classification of the substance or mixture**

Not a hazardous substance or mixture.

2.2 **GHS Label or Precautionary Statements**

Not a hazardous substance or mixture.

2.3 **Hazards not otherwise classified**

Contains oxidizing substances <0.5%

3.1 **Substances: TMB (20mL)**

2-Pyrrolidinone Eye Irrit. 2: H319
Urea Hydrogen Peroxide

4.1 **Description of first aid measures**

If inhaled

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

In case of skin contact

Wash off with soap and plenty of water.

In case of eye contact

Flush eyes with water as a precaution.

If swallowed

Never give anything by mouth to an unconscious person. Rinse mouth with water.

4.2 Most important symptoms and effects: acute or delayed

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

4.3 Recommendations for immediate medical care or special treatment

Treat symptomatically

5.1 Extinguishing media

Use water spray, dry chemical, or carbon dioxide

5.2 Special hazards

Smoke from fires is toxic. Avoid exposure.

SECTION 6: Accidental Release Measures

6.1 Personal precautions and personal protective equipment

Standard laboratory personal protective equipment should be utilized.

6.2 Environmental precautions

No special environmental precautions are required.

6.3 Methods for containment and clean up

Wipe with absorbent material and dispose of in suitable container.

SECTION 7: Handling and Storage

7.1 Precautions for safe handling

Follow standard Good Laboratory Practices while using this product.

7.2 Conditions for safe storage, including any incompatibilities

Keep container tightly closed. Recommended storage temperature is 4°C. Avoid direct exposure to sunlight
Keep away from common metal ions like Iron. Store only in amber plastic bottles or glass bottles.
Avoid the use of rubber stoppers

SECTION 8: Exposure Controls/Personal Protection

8.1 OSHA Permissible Exposure Limits

Contains no substances with occupational exposure limits.

8.2	Exposure controls	Follow standard Good Laboratory Practices while using this product.
8.3	Personal Protective Equipment	
	Eye/face protection	Use eye protection approved by NIOSH or EN166.
	Skin protection	Handle with gloves. Use proper glove removal technique to avoid skin contact. Gloves should be disposed of after use according to standard Good Laboratory Practices. Wash hands after use.
	Body protection	Wear a lab coat in accordance to standard Good Laboratory Practices.
	Respiratory protection	Respiratory protection is not required.
	Control of environmental exposure	No special environmental precautions are required.

SECTION 9: Physical and Chemical Properties

Appearance	Clear, to faint blue solution
Odor	None
Flammability	Not data available
Vapor Pressure	No data available
Odor Threshold	No data available
Vapor Density	No data available
pH	3.1-3.5
Relative Density	No data available
Melting Point	Not applicable
Freezing Point	No data available
Solubility	Soluble in water
Boiling Point	No data available
Flash Point	No data available
Evaporation Rate:	No data available
Auto-ignition Temperature	Product is not self-igniting
Decomposition Temperature	No data available

Viscosity No data available

SECTION 10: Stability and Reactivity

- 10.1 Reactivity** No data available
- 10.2 Chemical Stability** Stable under recommended storage conditions
- 10.3 Possibility of hazardous reactions** No hazardous reactions known if used as intended.

SECTION 11: Toxicological Information

- 11.1 Toxicity**
- Acute toxicity** No data available
- Skin irritation** May cause redness and irritation in sensitive individuals
- Serious eye damage or irritation** May cause redness and irritation in sensitive individuals
- Respiratory or skin sensitization** May cause respiratory irritation in sensitive individuals
- Germ cell mutagenicity** No mutagenic affects
- Carcinogenicity** Not found to be a potential carcinogen
- Reproductive toxicity** No data available
- Specific target organ toxicity** No data available
- Aspiration hazard** No data available

SECTION 12: Ecological Information

- 12.1 Toxicity** This product is not classified as hazardous to the environment.

12.2	Persistence and degradability	No data available
12.3	Bioaccumulation potential	No data available
12.4	Mobility in Soil	No data available
12.5	Other adverse effects	With the available data, the substance is not harmful to the environment.

SECTION 13: Disposal Considerations

13.1	Waste treatment methods	Dispose of product with a licensed disposal company.
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SECTION 14: Transport Information

14.1	US DOT	Not dangerous goods
14.2	IMDG	Not dangerous goods
14.3	IATA	Not dangerous goods

SECTION 15: Regulatory Information

No known regulatory requirements.

SECTION 16: Other Information

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

Revision date: 8-29-19

1.1 **Product Identification**

Product Name: 5x Extraction Buffer
Product Number: EA70
Brand: Oxford Biomedical Research

1.2 **Supplier**

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

1.3 **Relevant Uses**

Identified uses: Research Assay

1.4 **Emergency Contact Number**

Contact: 248-852-8815

2.1 **Classification of the substance or mixture**

Not a hazardous substance or mixture.

2.2 **GHS Label or Precautionary Statements**

Not a hazardous substance or mixture.

2.3 **Hazards not otherwise classified**

Contains materials that may be harmful if swallowed

3.1 **Substances:** 5x Extraction Buffer (30mL)

Doesn't contain any harmful substances

4.1 **Description of first aid measures**

If inhaled

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

In case of skin contact

Wash off with soap and plenty of water.

In case of eye contact

Flush eyes with water as a precaution.

If swallowed

Never give anything by mouth to an unconscious person. Rinse mouth with water.

4.2 Most important symptoms and effects: acute or delayed

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

4.3 Recommendations for immediate medical care or special treatment

Treat symptomatically

5.1 Extinguishing media

Use water spray, dry chemical, or carbon dioxide

5.2 Special hazards

Smoke from fires is toxic. Avoid exposure.

SECTION 6: Accidental Release Measures

6.1 Personal precautions and personal protective equipment

Standard laboratory personal protective equipment should be utilized.

6.2 Environmental precautions

Clean spillage area thoroughly with water. Don't let the product contaminate subsoil

6.3 Methods for containment and clean up

Wipe with absorbent material and dispose of in suitable container.

SECTION 7: Handling and Storage

7.1 Precautions for safe handling

Follow standard Good Laboratory Practices while using this product.

7.2 Conditions for safe storage, including any incompatibilities

Keep container tightly closed. Recommended storage temperature is 4°C.

SECTION 8: Exposure Controls/Personal Protection

8.1 OSHA Permissible Exposure Limits

Contains no substances with occupational exposure limits.

8.2	Exposure controls	Follow standard Good Laboratory Practices while using this product.
8.3	Personal Protective Equipment	
	Eye/face protection	Use eye protection approved by NIOSH or EN166.
	Skin protection	Handle with gloves. Use proper glove removal technique to avoid skin contact. Gloves should be disposed of after use according to standard Good Laboratory Practices. Wash hands after use.
	Body protection	Wear a lab coat in accordance to standard Good Laboratory Practices.
	Respiratory protection	Respiratory protection is not required.
	Control of environmental exposure	No special environmental precautions are required.

SECTION 9: Physical and Chemical Properties

Appearance	Colorless to faint yellow liquid
Odor	None
Flammability	Not applicable
Vapor Pressure	No data available
Odor Threshold	No data available
Vapor Density	No data available
pH	No data available
Relative Density	No data available
Melting Point	No data available
Freezing Point	No data available
Solubility	Soluble in water
Boiling Point	No data available
Flash Point	No data available
Evaporation Rate:	No data available
Auto-ignition Temperature	No data available

Decomposition Temperature No data available

Viscosity No data available

SECTION 10: Stability and Reactivity

10.1	Reactivity	Stable under normal conditions
10.2	Chemical Stability	Stable under recommended storage conditions
10.3	Possibility of hazardous reactions	No hazardous reactions known if used as intended.

SECTION 11: Toxicological Information

11.1	Toxicity	
	Acute toxicity	Based on available data, classification criteria are not met.
	Skin irritation	May cause redness and irritation in sensitive individuals
	Serious eye damage or irritation	May cause redness and irritation in sensitive individuals
	Respiratory or skin sensitization	May cause respiratory irritation in sensitive individuals
	Germ cell mutagenicity	No mutagenic effects reported
	Carcinogenicity	No component of this product present at levels greater than or equal to 0.1% is identified as probable, possible or confirmed human carcinogen.
	Reproductive toxicity	No teratogenic effects reported
	Specific target organ toxicity	May cause allergy or asthma symptoms if inhaled
	Aspiration hazard	No significant hazard

SECTION 12: Ecological Information

12.1	Toxicity	No data available
12.2	Persistence and degradability	No data available
12.3	Bioaccumulation potential	No data available
12.4	Mobility in Soil	No data available
12.5	Other adverse effects	Specific test data not available

SECTION 13: Disposal Considerations

13.1	Waste treatment methods	Dispose of product with a licensed disposal company.
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SECTION 14: Transport Information

14.1	US DOT	Not dangerous goods
14.2	IMDG	Not dangerous goods
14.3	IATA	Not dangerous goods

SECTION 15: Regulatory Information

No known regulatory requirements.

SECTION 16: Other Information

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

Revision date: 8-29-19

1.1 **Product Identification**

Product Name: Estradiol Enzyme Conjugate
Product Number: EA70
Brand: Oxford Biomedical Research

1.2 **Supplier**

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

1.3 **Relevant Uses**

Identified uses: Research Assay

1.4 **Emergency Contact Number**

Contact: 248-852-8815

2.1 **Classification of the substance or mixture**

Not a hazardous substance or mixture.

2.2 **GHS Label or Precautionary Statements**

Not a hazardous substance or mixture.

2.3 **Hazards not otherwise classified**

Contains materials that may be harmful if swallowed

3.1 **Substances:** Estradiol Enzyme Conjugate (150µL)

Doesn't contain any harmful substances

4.1 **Description of first aid measures**

If inhaled

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

In case of skin contact

Wash off with soap and plenty of water.

In case of eye contact

Flush eyes with water as a precaution.

If swallowed

Never give anything by mouth to an unconscious person. Rinse mouth with water.

4.2 Most important symptoms and effects: acute or delayed

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

4.3 Recommendations for immediate medical care or special treatment

Treat symptomatically

5.1 Extinguishing media

Use water spray, dry chemical, or carbon dioxide

5.2 Special hazards

Smoke from fires is toxic. Avoid exposure.

SECTION 6: Accidental Release Measures

6.1 Personal precautions and personal protective equipment

Standard laboratory personal protective equipment should be utilized.

6.2 Environmental precautions

Clean spillage area thoroughly with water. Don't let the product contaminate subsoil

6.3 Methods for containment and clean up

Wipe with absorbent material and dispose of in suitable container.

SECTION 7: Handling and Storage

7.1 Precautions for safe handling

Follow standard Good Laboratory Practices while using this product.

7.2 Conditions for safe storage, including any incompatibilities

Keep container tightly closed. See label instructions for recommended storage

SECTION 8: Exposure Controls/Personal Protection

8.1 OSHA Permissible Exposure Limits

Contains no substances with occupational exposure limits.

8.2	Exposure controls	Follow standard Good Laboratory Practices while using this product.
8.3	Personal Protective Equipment	
	Eye/face protection	Use eye protection approved by NIOSH or EN166.
	Skin protection	Handle with gloves. Use proper glove removal technique to avoid skin contact. Gloves should be disposed of after use according to standard Good Laboratory Practices. Wash hands after use.
	Body protection	Wear a lab coat in accordance to standard Good Laboratory Practices.
	Respiratory protection	Respiratory protection is not required.
	Control of environmental exposure	No special environmental precautions are required.

SECTION 9: Physical and Chemical Properties

Appearance	Amber/orange liquid
Odor	None
Flammability	Not applicable
Vapor Pressure	No data available
Odor Threshold	No data available
Vapor Density	No data available
pH	6-6.2
Relative Density	No data available
Melting Point	No data available
Freezing Point	No data available
Solubility	Soluble in water
Boiling Point	No data available
Flash Point	No data available
Evaporation Rate:	No data available
Auto-ignition Temperature	No data available

Decomposition Temperature No data available

Viscosity No data available

SECTION 10: Stability and Reactivity

10.1	Reactivity	Stable under normal conditions
10.2	Chemical Stability	Stable under recommended storage conditions
10.3	Possibility of hazardous reactions	No hazardous reactions known if used as intended.

SECTION 11: Toxicological Information

11.1	Toxicity	
	Acute toxicity	Based on available data, classification criteria are not met.
	Skin irritation	May cause redness and irritation in sensitive individuals
	Serious eye damage or irritation	May cause redness and irritation in sensitive individuals
	Respiratory or skin sensitization	May cause respiratory irritation in sensitive individuals
	Germ cell mutagenicity	No mutagenic effects reported
	Carcinogenicity	No component of this product present at levels greater than or equal to 0.1% is identified as probable, possible or confirmed human carcinogen.
	Reproductive toxicity	No teratogenic effects reported
	Specific target organ toxicity	May cause allergy or asthma symptoms if inhaled
	Aspiration hazard	No significant hazard

SECTION 12: Ecological Information

12.1	Toxicity	No data available
12.2	Persistence and degradability	No data available
12.3	Bioaccumulation potential	No data available
12.4	Mobility in Soil	No data available
12.5	Other adverse effects	Specific test data not available

SECTION 13: Disposal Considerations

13.1	Waste treatment methods	Dispose of product with a licensed disposal company.
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SECTION 14: Transport Information

14.1	US DOT	Not dangerous goods
14.2	IMDG	Not dangerous goods
14.3	IATA	Not dangerous goods

SECTION 15: Regulatory Information

No known regulatory requirements.

SECTION 16: Other Information

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

Revision date: 7-11-20

1.1 Product Identification

Product Name: Estradiol Standard
Product Number: EA70
Brand: Oxford Biomedical Research

1.2 Supplier

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

1.3 Relevant Uses

Identified uses: Research Assay

1.4 Emergency Contact Number

Contact: 248-852-8815

2.1 Classification of the substance or mixture

Flam. Liq. 2: H225; Acute Tox. 3: H301; Acute Tox. 3: H311; Acute Tox. 3: H331; STOT SE 1: H370;

2.2 GHS Label or Precautionary Statements

Keep away from heat, hot surfaces, sparks, open flames, and other ignition sources. No smoking
Do not breathe the dust/fumes/gas/mist
Wash thoroughly after handling
Do not eat, drink, or smoke when using this product
Wear protective gloves/protective clothing/eye protection/face protection

2.3 Hazards not otherwise classified

Contains materials which may damage fertility of unborn child

3.1 Substances: Estradiol Standard (100µL)

Methanol Flam. Liq. 2: H225; Acute Tox. 3: H331; Acute Tox. 3: H311; Acute Tox. 3: H301; STOT SE 1: H370

4.1 Description of first aid measures If inhaled

May be toxic. If breathed in, move person into fresh air. If not breathing, give artificial respiration.

In case of skin contact

May be toxic if absorbed through skin. Wash off with soap and plenty of water.

In case of eye contact

Flush eyes with water as a precaution.

If swallowed

May be toxic if swallowed. Never give anything by mouth to an unconscious person. Rinse mouth with water.

4.2 Most important symptoms and effects: acute or delayed

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

4.3 Recommendations for immediate medical care or special treatment

Treat symptomatically

5.1 Extinguishing media

Use water spray, dry chemical, or carbon dioxide

5.2 Special hazards

In case of fire and/or explosion, don't breathe in the fumes. Vapor may travel considerable distance to source of ignition and flash back. Heat will increase pressure in sealed containers .

SECTION 6: Accidental Release Measures

6.1 Personal precautions and personal protective equipment

Flammable liquid. Adopt best manual handling considerations when handling.
Avoid sparks, flames, heat, and sources of ignition.
Ensure adequate ventilation of working area.
Use protective equipment and avoid prolonged exposure.

6.2 Environmental precautions

Clean spillage area thoroughly with water. Don't let the product contaminate subsoil

6.3 Methods for containment and clean up

Flammable liquid. Wipe with inert absorbent material and dispose of in suitable container.

SECTION 7: Handling and Storage

7.1	Precautions for safe handling	Follow standard Good Laboratory Practices while using this product.
7.2	Conditions for safe storage, including any incompatibilities	Flammable liquid and vapor. Contact with combustible material may cause fire. Keep refrigerated. Store in correctly labeled containers. Keep container tightly closed. Follow label instructions.

SECTION 8: Exposure Controls/Personal Protection

8.1	OSHA Permissible Exposure Limits Methanol	WEL 8-hr limit ppm: 200 WEL 8-hr limit mg/m3: 266 WEL 15 min limit ppm: 250 WEL 15 min limit mg/m3: 333
8.2	Exposure controls	Follow standard Good Laboratory Practices while using this product.
8.3	Personal Protective Equipment	
	Eye/face protection	Use eye protection approved by NIOSH or EN166.
	Skin protection	Handle with gloves. Use proper glove removal technique to avoid skin contact. Gloves should be disposed of after use according to standard Good Laboratory Practices. Wash hands after use.
	Body protection	Wear a lab coat in accordance to standard Good Laboratory Practices.
	Respiratory protection	In case of insufficient ventilation, wear suitable respiratory equipment.
	Control of environmental exposure	Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking. Keep away from food and drink.

SECTION 9: Physical and Chemical Properties

Appearance	Clear/colorless liquid
Odor	Strong/alcoholic
Flammability	Not applicable

Vapor Pressure	127mmHg
Odor Threshold	100ppm
Vapor Density	1.11
pH	No data available
Relative Density	0.792
Melting Point	-97.6°C
Freezing Point	No data available
Solubility	Miscible in water
Boiling Point	64-65°C
Flash Point	12°C
Evaporation Rate:	6.3g/min
Auto-ignition Temperature	440°C
Decomposition Temperature	No data available
Viscosity	0.544mPas (cone and plate)

SECTION 10: Stability and Reactivity

10.1	Reactivity	Stable under normal conditions
10.2	Chemical Stability	Stable under recommended storage conditions
10.3	Possibility of hazardous reactions	No hazardous reactions known if used as intended.

SECTION 11: Toxicological Information

11.1	Toxicity	
	Acute toxicity	Toxic by inhalation, in contact with skin, and if swallowed.
	Skin irritation	May cause redness and irritation in sensitive individuals
	Serious eye damage or irritation	May cause redness and irritation in sensitive individuals
	Respiratory or skin sensitization	May cause respiratory irritation in sensitive individuals
	Germ cell mutagenicity	No mutagenic effects reported

Carcinogenicity	No component of this product present at levels greater than or equal to 0.1% is identified as probable, possible or confirmed human carcinogen.
Reproductive toxicity	Based on available data, the classification criteria are not met. However, this product does contain a substance classified as hazardous.
Specific target organ toxicity	Exposure may cause damage to organs (CNS, liver, eyes, or optic nerve). May cause allergy or asthma symptoms.
Aspiration hazard	No significant hazard

SECTION 12: Ecological Information

12.1	Toxicity	No data available
12.2	Persistence and degradability	No data available
12.3	Bioaccumulation potential	No data available
12.4	Mobility in Soil	No data available
12.5	Other adverse effects	Specific test data not available

SECTION 13: Disposal Considerations

13.1	Waste treatment methods	Dispose of product with a licensed disposal company.
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SECTION 14: Transport Information

14.1	US DOT	Methanol (methanol solution)
	UN number	UN1230
14.2	IMDG	Transport hazard class: 3
	EmS Code	F-E-S-D
14.3	IATA	Transport hazard class: 3

Packing Instruction (Cargo)	364
Maximum Quantity	60L
Packing Instructions (passenger)	352
Maximum Quantity	1L

SECTION 15: Regulatory Information

1907/2006 of the European Parliament and the Council on the registration, evaluation, authorization and restriction of chemicals (REACH).

SECTION 16: Other Information

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

Revision date: 7-11-20