

Product Number: EA74
Product Name: Progesterone
ELISA Kit
Revision: 200711

1.1 Product Identification

Product Name: EA74 EIA Buffer
Product Number: EA74
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 which may damage fertility or the unborn child. Contains substances which 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 which are hazardous to the environment. 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 thoroughly with plenty of water. Don't let 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. Follow label instructions.

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 occupational exposure limit may cause adverse health effects.

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	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 the available data, the classification criteria are not met. However this product contains substances that are classified as hazardous (see section 3).
	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	Contains substances which may harm fertility or the unborn child.
	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	Contains substances which are hazardous to the environment. Specific test data unavailable.

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: EA74 10x Wash Buffer
Product Number: EA74
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 which may 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.

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 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	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 teratogenic 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 is 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: 7-16-20

1.1 Product Identification

Product Name: K-Blue Substrate TMB
Product Number: EA74
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 substance(s) at <0.5%

3.1 Substances: TMB (20mL)

2-Pyrrolidinone	Eye Irrit. 2: H319
Urea Hydrogen Peroxide	Ox. Sol. 3: H272; Skin Corr 1B: H314; Eye Dam. 1: H318

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 with plenty of water. Don't let 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. 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	Exposure above the recommended occupational exposure limit may cause adverse health effects.

SECTION 9: Physical and Chemical Properties

Appearance	Clear, to faint blue solution
Odor	Characteristic
Flammability	Not applicable
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	No data available
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	Stable under normal conditions
	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 teratogenic effects reported
	Specific target organ toxicity	May cause allergy or asthma symptoms.
	Aspiration hazard	Not a significant hazard.

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	Specific test data is 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: 7-17-20

1.1 **Product Identification**

Product Name: 5x Extraction Buffer
Product Number: EA74
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 which 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

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

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.

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
- 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: 7-23-20

1.1 Product Identification

Product Name: Progesterone Enzyme Conjugate
Product Number: EA74
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

Skin Sens. 1: H317

2.2 GHS Label or Precautionary Statements

Skin Sens. 1: H317- May cause allergic skin reaction
P261 - Avoid breathing dust/fume/gas/mist/vapors/spray
P272 - Contaminated work clothing should not be allowed out of the workplace
P280 - Wear protective gloves/protective clothing/eye protection/face protection
P302+P352 - IF ON SKIN: Wash with plenty of water
P333+P313 - If skin irritation or rash occurs: Get medical advice/attention
P501 – Dispose of contents/container to an approved waste disposal facility in accordance with local and national regulations

2.3 Hazards not otherwise classified

Contains oxidizing substance(s) at <0.1%. Contains material(s) which may be harmful if swallowed.

3.1 Substances: Progesterone Conjugate (150µL)

Magnesium Nitrate Ox. Sol. 2: H272
Skin irrit. 2: H315
Eye irrit. 2: H319
STOT SE 3: H335

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

May cause irritation to respiratory system

May cause irritation to eyes

May cause irritation to skin. May cause allergic reactions in susceptible people. May cause dermatitis.

Ingestion may cause nausea and vomiting.

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 oxidizing substance(s) at <0.1%. 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

Don't let 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. Follow label instructions.

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 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. May cause dermatitis
	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
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: 7-30-20

1.1 **Product Identification**

Product Name: Progesterone Standard
Product Number: EA74
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**

Flam. Liq. 2: H225 - Highly flammable liquid and vapour.

Acute Tox. 3: H301 - Toxic if swallowed.^[L]_[SEP]

Acute Tox. 3: H311 - Toxic in contact with skin.^[L]_[SEP]

Acute Tox. 3: H331 - Toxic if inhaled.

STOT SE 1: H370 - Causes damage to organs

P210 - Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking.

P260 - Do not breathe dust/fume/gas/mist/vapours/spray.

P264 - Wash thoroughly after handling.

P270 - Do not eat, drink or smoke when using this product.

P280 - Wear Protective gloves/protective clothing/eye protection/face protection.

P301+P310 - IF SWALLOWED: IF SWALLOWED: Immediately call a POISON CENTER/doctor/

P303+P361+P353 - IF ON SKIN (or hair): Take off immediately all contaminated clothing. Rinse skin with water/shower.

P304+P340 - IF INHALED: Remove person to fresh air and keep comfortable for breathing.

P312 - Call a POISON CENTER/doctor/ if you feel unwell.

P330 - Rinse mouth.

P370+P378 - In case of fire: Use media appropriate to the surrounding conditions, Alcohol resistant foam, Carbon Dioxide (CO₂), dry chemical, foam to extinguish.

P403+P233 – Store in well-ventilated place. Keep container tightly closed.

P501 - Dispose of contents/container to an approved hazardous/special waste disposal facility in accordance with local and national regulations.

2.3 **Hazards not otherwise classified**

Contains oxidizing substance(s) which may damage fertility or the unborn child.

3.1 **Substances:** Progesterone 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

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**

May be toxic if inhaled

May cause irritation to eyes

May be toxic if absorbed through skin. May cause irritation to skin.

May be toxic if swallowed. Ingestion may cause nausea and vomiting.

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

Treat symptomatically

5.1 **Extinguishing media**

Use alcohol resistant foam, dry chemical, or carbon dioxide

5.2 **Special hazards**

In case of fire and/or explosion do not breathe 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

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|-----|---|--|
| 6.1 | Personal precautions and personal protective equipment | Flammable liquid. Adopt best manual handling considerations. Standard laboratory personal protective equipment should be utilized. |
| 6.2 | Environmental precautions | Don't let 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. Adopt best manual handling considerations. |
| 7.2 | Conditions for safe storage, including any incompatibilities | Keep container tightly closed. Follow label instructions.
Flammable liquid and vapor. Contact with combustible material may cause fire. |

SECTION 8: Exposure Controls/Personal Protection

- | | | |
|-----|--|---|
| 8.1 | OSHA Permissible Exposure Limits
Methanol | WEL 8-hr limit ppm: 200 WEL 8-hr limit mg/m ³ : 266
WEL 15 min limit ppm: 250 WEL 15 min limit mg/m ³ : 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	Respiratory protection is not required.
Control of environmental exposure	Keep away from heat, hot surfaces, sparks, open flames and other ignition sources.

SECTION 9: Physical and Chemical Properties

Appearance	Clear, colorless liquid
Odor	Alcoholic/strong
Flammability	Not applicable
Vapor Pressure	127mmHg
Odor Threshold	No data available
Vapor Density	No data available
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 & 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 allergic reactions
	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 materials(s) which may damage fertility or unborn child.
	Specific target organ toxicity	Exposure may cause damage to organs (Liver, CNS)
	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.

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: 7-30-20