

1. Product and Company Identification

Product name: Wild Type Oligo Mix
Catalog/Part number: 2274
Recommended uses: Oligo Mix for QPCR

Manufacturer/Supplier: Biocept, Inc.
9955 Mesa Rim Road
San Diego, CA 92121

Telephone: 888-332-7799
Emergency Telephone: 800-373-7542

2. Hazards Identification

Classification of the substances or mixture:

The mixture is classified according to: *Hazardous chemical(s) under OSHA Hazard Communication Standard (29 CFR 1910.1200).*

Hazard classes/Hazard categories:

Handle as a potential biohazardous material under at least Biosafety containment. The Sequence primer is not known to cause disease in healthy adult humans. The Sequence primer has NOT been screened for Hepatitis B, human immunodeficiency viruses or other adventitious agent unless otherwise reported on Certificate of Analysis.

3. Composition/Component Information

Description: Switch Blocker

Ingredients: Biocept proprietary product

Not hazardous, however product should be handled according to good laboratory practices.

4. First Aid Measures

If inhaled: Move exposed person to fresh air. Consult a physician in case of complaints.

In case of skin contact: Wash off with plenty of water. Consult a physician if symptoms persist.

In case of eye contact: Rinse thoroughly with plenty of water for at least 15 minutes. Consult a physician if symptoms persist.

If swallowed: Never give anything by mouth to an unconscious person. Rinse mouth with water. Consult a physician if symptoms persist.

Safety Data Sheet

5. Fire Fighting Measures

Suitable extinguishing agents:	Water spray, alcohol-resistant foam, dry chemical or carbon dioxide.
Special protective equipment for fire fighters:	Wear self-contained breathing apparatus for fire-fighting if necessary.

6. Accidental Release Measures

Personal precautions	Use personal protection equipment. Ensure adequate ventilation.
Environmental precautions	Allow aerosols to settle; wearing protective clothing, cover spill with paper towel and apply 1% sodium hypochlorite. Allow sufficient contact time before clean-up (30 minutes).
Methods for cleaning up	Wash with soap and water. Work clothes should be laundered separately. Launder contaminated clothing before re-use. Do not take clothing home.

7. Handling and Storage

Handling	Use personal protection equipment. No special handling advices are necessary.
Storage	Keep container in dry place. Recommended storage temperature 4-30 °C (39-86 °F).

8. Exposure Control / Personal Protection

Control parameters:

Occupational exposure limits: No data available.

Biological exposure indices (BEI): No data available.

Additional exposure limits under the conditions of use: No data available

Exposure control:

Appropriate engineering controls: Avoid inhalation. Use in well ventilated areas. Where an inhalation risk exists, mechanical extraction ventilation is recommended.

Personal Protective Equipment

Respiratory protection	Respiratory protection is not required.
Hand protection	Handle with nitrile or latex gloves. Gloves must be inspected prior to use. Use proper glove removal technique (without touching glove's outer surface) to avoid skin contact with this product. Dispose of contaminated gloves after use in accordance with applicable laws and good laboratory practices. Wash and dry hands.
Eye protection	Face shield and / or safety glasses conforming to the ANSI Z81.1 standard.
Hygiene measures	General industrial hygiene and safety practices.

9. Physical and Chemical Properties

Information on basic physical and chemical properties

Appearance (form): Frozen or freeze dried.

Color: Not known.

Odor: Not known.

Odor threshold: Not known.

pH (concentration): Not known.

Melting point/range (°C): Not known.

Boiling point/range (°C): Not known.

Flash point (°C): Not known.

Evaporation rate: Not known.

Flammability (solid, gas): Not known.

Ignition temperature (°C): Not known.

Upper/lower flammability/explosive limits: Not known.

Vapor pressure (20 °C): Not known.

Vapor density: Not known.

Relative density (25 °C): Not known.

Water solubility (g/L) at 20 °C: Not known.

n-Octanol/Water partition coefficient: Not known.

Auto-ignition temperature: Not known.

Decomposition temperature: Not known.

Viscosity, dynamic (mPa s): Not known.

Physical hazards: None.

Other information:

Fat solubility (solvent-oil to be specified): Not known.

Bulk density: Not known.

Dissociation constant in water (pKa): Not known.

Oxidation-reduction potential: Not known.

10. Stability and Reactivity

Chemical stability	Stable under recommended storage conditions
Reactivity	No data available
Incompatible Materials	No data available
Conditions to avoid	Do not store next to heat source, in direct sunlight, or elevated storage temperature.
Hazardous decomposition products	Under normal conditions of storage and use, hazardous decomposition products should not be produced.

11. Toxicological Information

Acute toxicity	No data available
Irritation and corrosion	May cause skin and eye irritation in affected persons.
Sensitization	No data available
Carcinogenicity	No data available

12. Ecological Information

Toxicity:	No data available.
Persistence and degradability:	No data available.
Bioaccumulative potential:	No data available.
Mobility in soil:	No data available.
Results of PBT& vPvB assessment:	No data available.
Other adverse effects:	No data available.

13. Disposal Considerations

Waste treatment methods: Dispose of in accordance with municipal, provincial and national regulations.

Product/packaging disposal: Recycle where possible.

14. Transport Information

	Land transport (ADR/RID)	Sea transport (IMDG)	Air transport (ICAO/IATA)
UN-Number:	Not required	Not required	Not required
UN Proper shipping name:	Not required	Not required	Not required
Transport hazard class:	Not required	Not required	Not required
Packaging group:	Not required	Not required	Not required
Marine pollutant:	Not required	Not required	Not required
Special precautions for user:	Not required	Not required	Not required
Transport in bulk according to MARPOL 73/78 Annex II and the IBC code:	Not required	Not required	Not required

15. Regulatory Information

This substance is not SARA listed. It is for research and development use only.

US Federal Regulations: SARA 313: This product is not regulated by SARA, CAA, Section 112, Hazardous Air Pollutant's (HAPs) 40 CFR 61): This product does not contain HAPs

US State Regulations: California proposition 65: This product does not contain chemicals listed under Proposition 65.

16. Other Information

Training instructions: Use only as instructed.

Further information: T The information contained herein is based upon the information currently within Biocept's possession. This SDS has been compiled and is solely intended for this product.

Additional information:

To our knowledge, the information contained herein is accurate. Biocept, Inc. does not represent, warrant or guarantee the accuracy or completeness of the information contained herein. Final determination of suitability of any material is the sole responsibility of the user. All materials contained in the product(s) provided by Biocept may present unknown hazards and should be used with caution. Although certain hazards are described herein, we cannot guarantee that these are the only hazards that exist.

1. Product and Company Identification

Product name: BRAF Oligo Mix
Catalog/Part number: 2275
Recommended uses: Oligo Mix for QPCR

Manufacturer/Supplier: Biocept, Inc.
9955 Mesa Rim Road
San Diego, CA 92121

Telephone: 888-332-7799
Emergency Telephone: 800-373-7542

2. Hazards Identification

Classification of the substances or mixture:

The mixture is classified according to: *Hazardous chemical(s) under OSHA Hazard Communication Standard (29 CFR 1910.1200).*

Hazard classes/Hazard categories:

Handle as a potential biohazardous material under at least Biosafety containment. The Sequence primer is not known to cause disease in healthy adult humans. The Sequence primer has NOT been screened for Hepatitis B, human immunodeficiency viruses or other adventitious agent unless otherwise reported on Certificate of Analysis.

3. Composition/Component Information

Description: Switch Blocker

Ingredients: Biocept proprietary product

Not hazardous, however product should be handled according to good laboratory practices.

4. First Aid Measures

If inhaled: Move exposed person to fresh air. Consult a physician in case of complaints.

In case of skin contact: Wash off with plenty of water. Consult a physician if symptoms persist.

In case of eye contact: Rinse thoroughly with plenty of water for at least 15 minutes. Consult a physician if symptoms persist.

If swallowed: Never give anything by mouth to an unconscious person. Rinse mouth with water. Consult a physician if symptoms persist.

Safety Data Sheet

5. Fire Fighting Measures

Suitable extinguishing agents:	Water spray, alcohol-resistant foam, dry chemical or carbon dioxide.
Special protective equipment for fire fighters:	Wear self-contained breathing apparatus for fire-fighting if necessary.

6. Accidental Release Measures

Personal precautions	Use personal protection equipment. Ensure adequate ventilation.
Environmental precautions	Allow aerosols to settle; wearing protective clothing, cover spill with paper towel and apply 1% sodium hypochlorite. Allow sufficient contact time before clean-up (30 minutes).
Methods for cleaning up	Wash with soap and water. Work clothes should be laundered separately. Launder contaminated clothing before re-use. Do not take clothing home.

7. Handling and Storage

Handling	Use personal protection equipment. No special handling advices are necessary.
Storage	Keep container in dry place. Recommended storage temperature 4-30 °C (39-86 °F).

8. Exposure Control / Personal Protection

Control parameters:	
Occupational exposure limits: No data available.	
Biological exposure indices (BEI): No data available.	
Additional exposure limits under the conditions of use: No data available	
Exposure control:	
Appropriate engineering controls: Avoid inhalation. Use in well ventilated areas. Where an inhalation risk exists, mechanical extraction ventilation is recommended.	
Personal Protective Equipment	
Respiratory protection	Respiratory protection is not required.
Hand protection	Handle with nitrile or latex gloves. Gloves must be inspected prior to use. Use proper glove removal technique (without touching glove's outer surface) to avoid skin contact with this product. Dispose of contaminated gloves after use in accordance with applicable laws and good laboratory practices. Wash and dry hands.
Eye protection	Face shield and / or safety glasses conforming to the ANSI Z81.1 standard.
Hygiene measures	General industrial hygiene and safety practices.

9. Physical and Chemical Properties

Information on basic physical and chemical properties

Appearance (form): Frozen or freeze dried.

Color: Not known.

Odor: Not known.

Odor threshold: Not known.

pH (concentration): Not known.

Melting point/range (°C): Not known.

Boiling point/range (°C): Not known.

Flash point (°C): Not known.

Evaporation rate: Not known.

Flammability (solid, gas): Not known.

Ignition temperature (°C): Not known.

Upper/lower flammability/explosive limits: Not known.

Vapor pressure (20 °C): Not known.

Vapor density: Not known.

Relative density (25 °C): Not known.

Water solubility (g/L) at 20 °C: Not known.

n-Octanol/Water partition coefficient: Not known.

Auto-ignition temperature: Not known.

Decomposition temperature: Not known.

Viscosity, dynamic (mPa s): Not known.

Physical hazards: None.

Other information:

Fat solubility (solvent-oil to be specified): Not known.

Bulk density: Not known.

Dissociation constant in water (pKa): Not known.

Oxidation-reduction potential: Not known.

10. Stability and Reactivity

Chemical stability	Stable under recommended storage conditions
Reactivity	No data available
Incompatible Materials	No data available
Conditions to avoid	Do not store next to heat source, in direct sunlight, or elevated storage temperature.
Hazardous decomposition products	Under normal conditions of storage and use, hazardous decomposition products should not be produced.

11. Toxicological Information

Acute toxicity	No data available
Irritation and corrosion	May cause skin and eye irritation in affected persons.
Sensitization	No data available
Carcinogenicity	No data available

12. Ecological Information

Toxicity:	No data available.
Persistence and degradability:	No data available.
Bioaccumulative potential:	No data available.
Mobility in soil:	No data available.
Results of PBT& vPvB assessment:	No data available.
Other adverse effects:	No data available.

13. Disposal Considerations

Waste treatment methods: Dispose of in accordance with municipal, provincial and national regulations.

Product/packaging disposal: Recycle where possible.

14. Transport Information

	Land transport (ADR/RID)	Sea transport (IMDG)	Air transport (ICAO/IATA)
UN-Number:	Not required	Not required	Not required
UN Proper shipping name:	Not required	Not required	Not required
Transport hazard class:	Not required	Not required	Not required
Packaging group:	Not required	Not required	Not required
Marine pollutant:	Not required	Not required	Not required
Special precautions for user:	Not required	Not required	Not required
Transport in bulk according to MARPOL 73/78 Annex II and the IBC code:	Not required	Not required	Not required

15. Regulatory Information

This substance is not SARA listed. It is for research and development use only.

US Federal Regulations: SARA 313: This product is not regulated by SARA, CAA, Section 112, Hazardous Air Pollutant's (HAPs) 40 CFR 61): This product does not contain HAPs

US State Regulations: California proposition 65: This product does not contain chemicals listed under Proposition 65.

16. Other Information

Training instructions: Use only as instructed.

Further information: T The information contained herein is based upon the information currently within Biocept's possession. This SDS has been compiled and is solely intended for this product.

Additional information:

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1. Product and Company Identification

Product name: Premix
Catalog/Part number: 2278
Recommended uses: QPCR

Manufacturer/Supplier: Biocept, Inc.
9955 Mesa Rim Road
San Diego, CA 92121

Telephone: 888-332-7799
Emergency Telephone: 800-373-7542

2. Hazards Identification

Classification of the substances or mixture:

The mixture is classified according to: *Hazardous chemical(s) under OSHA Hazard Communication Standard (29 CFR 1910.1200, Regulation EC 1272/2008 [EU-GHS/CLP].*

Hazard classes/Hazard categories:

Acute Toxicity, oral (Category 4)
STOT SE (Category 1)
Aquatic Chronic 3

Hazard statement:

H302
H370
H413

Label elements:

Hazard pictograms:



Signal Words: Danger.

Hazard Statements: H302 Harmful if swallowed. H970 Causes damage to organs. H413 Can cause long lasting harmful effects to aquatic life.

Precautionary Statements: Wash thoroughly after handling. Do not eat, drink or smoke when using this product.

Special labelling of certain mixtures: None known.

Other hazards: None known.

Safety Data Sheet

3. Composition/Component Information

Description: mixture
Ingredients: Tetramethylammonium chloride

4. First Aid Measures

If inhaled: Move exposed person to fresh air. Consult a physician in case of complaints.

In case of skin contact: Wash off with soap and plenty of water. Consult a physician.

In case of eye contact: Rinse thoroughly with plenty of water for at least 15 minutes and consult a physician.

If swallowed: Never give anything by mouth to an unconscious person. Rinse mouth with water. Consult a physician.

5. Fire Fighting Measures

Suitable extinguishing agents: Water spray, alcohol-resistant foam, dry chemical or carbon dioxide.

Special hazards from mixture: Sealed containers may rupture when heated.

Special protective equipment for fire fighters: Wear self-contained breathing apparatus for fire-fighting if necessary.

6. Accidental Release Measures

Personal precautions Avoid breathing vapors, mist or gas. Ensure adequate ventilation.

Environmental precautions Do not let product enter drains.

Methods for cleaning up Keep in suitable, closed containers for disposal.

7. Handling and Storage

Handling Normal measures for preventive fire protection.

Storage Keep container in dry place. Recommended storage temperature 4-30 °C (39-86 °F).

8. Exposure Control / Personal Protection

Control parameters:

Occupational exposure limits: No data available.

Biological exposure indices (BEI): No data available.

Additional exposure limits under the conditions of use: No data available

Exposure control:

Appropriate engineering controls: Avoid inhalation. Use in well ventilated areas. Where an inhalation risk exists, mechanical extraction ventilation is recommended.

Personal Protective Equipment

Respiratory protection Respiratory protection is not required.

Hand protection Handle with nitrile or latex gloves. Gloves must be inspected prior to use. Use proper glove removal technique (without touching glove's outer surface) to avoid skin contact with this product. Dispose of contaminated gloves after use in accordance with applicable laws and good laboratory practices. Wash and dry hands.

Eye protection Face shield and /or safety glasses conforming to the ANSI Z81.1 standard.

Hygiene measures General industrial hygiene and safety practices.

9. Physical and Chemical Properties

Information on basic physical and chemical properties

Appearance (form): Liquid.

Color: Colorless.

Odor: Not known.

Odor threshold: Not known.

pH (concentration): Not known.

Melting point/range (°C): Not known.

Boiling point/range (°C): Not known.

Flash point (°C): Not known.

Evaporation rate: Not known.

Flammability (solid, gas): Not known.

Ignition temperature (°C): Not known.

Upper/lower flammability/explosive limits: Not known.

Vapor pressure (20 °C): Not known.

Vapor density: Not known.

Relative density (25 °C): Not known.

Water solubility (g/L) at 20 °C: Not known.

n-Octanol/Water partition coefficient: Not known.

Auto-ignition temperature: Not known.

Decomposition temperature: Not known.

Viscosity, dynamic (mPa s): Not known.

Physical hazards: None.

Other information:

Fat solubility (solvent-oil to be specified): Not known.

Bulk density: Not known.

Dissociation constant in water (pKa): Not known.

Oxidation-reduction potential: Not known.

10. Stability and Reactivity	
Chemical stability	Stable under recommended storage conditions
Reactivity	No data available
Incompatible Materials	No data available
Conditions to avoid	Do not store next to heat source, in direct sunlight, or elevated storage temperature.
Hazardous decomposition products	Under normal conditions of storage and use, hazardous decomposition products should not be produced.

11. Toxicological Information	
Acute toxicity	Tetramethylammonium chloride Acute Toxicity oral LD50 for rat 50 mg/kg
Irritation and corrosion	No data available
Sensitization	No data available
Carcinogenicity	No data available

12. Ecological Information	
Toxicity:	No data available.
Persistence and degradability:	No data available.
Bioaccumulative potential:	No data available.
Mobility in soil:	No data available.
Results of PBT& vPvB assessment:	No data available.
Other adverse effects:	No data available.

13. Disposal Considerations	
Waste treatment methods:	Dispose of in accordance with municipal, provincial and national regulations.
Product/packaging disposal:	Recycle where possible.

14. Transport Information	Land transport (ADR/RID)	Sea transport (IMDG)	Air transport (ICAO/IATA)
UN-Number:	Not required	Not required	Not required
UN Proper shipping name:	Not required	Not required	Not required
Transport hazard class:	Not required	Not required	Not required
Packaging group:	Not required	Not required	Not required
Marine pollutant:	Not required	Not required	Not required
Special precautions for user:	Not required	Not required	Not required
Transport in bulk according to MARPOL 73/78 Annex II and the IBC code:	Not required	Not required	Not required

15. Regulatory Information

Safety, health and environmental regulations/legislation for the mixture:

Relevant information regarding authorization: Occupational Health and Safety Act 1993
Regulation for Hazardous Chemical Substances.

Relevant information regarding restrictions: None known.

EU regulations: Regulation EC 1272/2008 [EU-GHS/CLP]

Other National regulations: None.

Chemical Safety Assessment carried out? No.

16. Other Information

Training instructions: Use only as instructed.

Further information: The information contained herein is based upon the information currently within Biocept's possession. This SDS has been compiled and is solely intended for this product.

Additional information:

To our knowledge, the information contained herein is accurate. Biocept, Inc. does not represent, warrant or guarantee the accuracy or completeness of the information contained herein. Final determination of suitability of any material is the sole responsibility of the user. All materials contained in the product(s) provided by Biocept may present unknown hazards and should be used with caution. Although certain hazards are described herein, we cannot guarantee that these are the only hazards that exist.

1. Product and Company Identification

Product name: Selector DNA Polymerase
Catalog/Part number: 2290
Recommended uses: QPCR

Manufacturer/Supplier: Biocept, Inc.
9955 Mesa Rim Road
San Diego, CA 92121

Telephone: 888-332-7799
Emergency Telephone: 800-373-7542

2. Hazards Identification

Classification of the substances or mixture:

The mixture is classified according to: *Hazardous chemical(s) under OSHA Hazard Communication Standard (29 CFR 1910.1200, Regulation EC 1272/2008 [EU-GHS/CLP].*

Hazard classes/Hazard categories:

Not classified

Hazard statement:

Not required

Label elements:

Hazard pictograms: Not required.

Signal Words: Not required.

Hazard Statements: Not required.

Precautionary Statements: Wash thoroughly after handling. Do not eat, drink or smoke when using this product.

Special labelling of certain mixtures: None known.

Other hazards: None known.

3. Composition/Component Information

Description: mixture
Ingredients: Not hazardous:

4. First Aid Measures

If inhaled: Move exposed person to fresh air. Consult a physician in case of complaints.

In case of skin contact: Wash off with soap and plenty of water. Consult a physician.

In case of eye contact: Rinse thoroughly with plenty of water for at least 15 minutes and consult a physician.

If swallowed: Never give anything by mouth to an unconscious person. Rinse mouth with water. Consult a physician.

Safety Data Sheet

5. Fire Fighting Measures

Suitable extinguishing agents:	Water spray, alcohol-resistant foam, dry chemical or carbon dioxide.
Special protective equipment for fire fighters:	Wear self-contained breathing apparatus for fire-fighting if necessary.

6. Accidental Release Measures

Personal precautions	Avoid breathing vapors, mist or gas. Ensure adequate ventilation.
Environmental precautions	Do not let product enter drains.
Methods for cleaning up	Keep in suitable, closed containers for disposal.

7. Handling and Storage

Handling	Normal measures for preventive fire protection.
Storage	Keep container in dry place. Recommended storage temperature 4-30 °C (39-86 °F).

8. Exposure Control / Personal Protection

Control parameters:

Occupational exposure limits: No data available.

Biological exposure indices (BEI): No data available.

Additional exposure limits under the conditions of use: No data available

Exposure control:

Appropriate engineering controls: Avoid inhalation. Use in well ventilated areas. Where an inhalation risk exists, mechanical extraction ventilation is recommended.

Personal Protective Equipment

Respiratory protection	Respiratory protection is not required.
Hand protection	Handle with nitrile or latex gloves. Gloves must be inspected prior to use. Use proper glove removal technique (without touching glove's outer surface) to avoid skin contact with this product. Dispose of contaminated gloves after use in accordance with applicable laws and good laboratory practices. Wash and dry hands.
Eye protection	Face shield and /or safety glasses conforming to the ANSI Z81.1 standard.
Hygiene measures	General industrial hygiene and safety practices.

9. Physical and Chemical Properties

Information on basic physical and chemical properties

Appearance (form): Liquid.

Color: Colorless.

Odor: Odorless.

Odor threshold: Not known.

pH (concentration): Not known.

Melting point/range (°C): Not known.

Boiling point/range (°C): Not known.

Flash point (°C): Not known.

Evaporation rate: Not known.

Flammability (solid, gas): Not known.

Ignition temperature (°C): Not known.

Upper/lower flammability/explosive limits: Not known.

Vapor pressure (20 °C): Not known.

Vapor density: Not known.

Relative density (25 °C): Not known.

Water solubility (g/L) at 20 °C: Not known.

n-Octanol/Water partition coefficient: Not known.

Auto-ignition temperature: Not known.

Decomposition temperature: Not known.

Viscosity, dynamic (mPa s): Not known.

Physical hazards: None.

Other information:

Fat solubility (solvent-oil to be specified): Not known.

Bulk density: Not known.

Dissociation constant in water (pKa): Not known.

Oxidation-reduction potential: Not known.

10. Stability and Reactivity

Chemical stability	Stable under recommended storage conditions
Reactivity	No data available
Incompatible Materials	No data available
Conditions to avoid	Do not store next to heat source, in direct sunlight, or elevated storage temperature.
Hazardous decomposition products	Under normal conditions of storage and use, hazardous decomposition products should not be produced.

Safety Data Sheet

11. Toxicological Information

Acute toxicity	No data available
Irritation and corrosion	No data available
Sensitization	No data available
Carcinogenicity	No data available

12. Ecological Information

Toxicity:	No data available.
Persistence and degradability:	No data available.
Bioaccumulative potential:	No data available.
Mobility in soil:	No data available.
Results of PBT& vPvB assessment:	No data available.
Other adverse effects:	No data available.

13. Disposal Considerations

Waste treatment methods: Dispose of in accordance with municipal, provincial and national regulations.

Product/packaging disposal: Recycle where possible.

14. Transport Information

	Land transport (ADR/RID)	Sea transport (IMDG)	Air transport (ICAO/IATA)
UN-Number:	Not required	Not required	Not required
UN Proper shipping name:	Not required	Not required	Not required
Transport hazard class:	Not required	Not required	Not required
Packaging group:	Not required	Not required	Not required
Marine pollutant:	Not required	Not required	Not required
Special precautions for user:	Not required	Not required	Not required
Transport in bulk according to MARPOL 73/78 Annex II and the IBC code:	Not required	Not required	Not required

15. Regulatory Information

Safety, health and environmental regulations/legislation for the mixture:

Relevant information regarding authorization: Occupational Health and Safety Act 1993
Regulation for Hazardous Chemical Substances.

Relevant information regarding restrictions: None known.

EU regulations: Regulation EC 1272/2008 [EU-GHS/CLP]

Other National regulations: None.

Chemical Safety Assessment carried out? No.

16. Other Information

Training instructions: Use only as instructed.

Further information: The information contained herein is based upon the information currently within Biocept's possession. This SDS has been compiled and is solely intended for this product.

Additional information

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1. Product and Company Identification

Product name: Wild Type Standard A
Catalog/Part number: 2394
Recommended uses: Reference DNA Standards for QPCR

Manufacturer/Supplier: Biocept, Inc.
9955 Mesa Rim Road
San Diego, CA 92121

Telephone: 888-332-7799
Emergency Telephone: 800-373-7542

2. Hazards Identification

Classification of the substances or mixture:

The mixture is classified according to: *Hazardous chemical(s) under OSHA Hazard Communication Standard (29 CFR 1910.1200).*

Hazard classes/Hazard categories:

Handle as a potential biohazardous material under at least Biosafety containment.
The standard A is not known to cause disease in healthy adult humans. The standard A has NOT been screened for Hepatitis B, human immunodeficiency viruses or other adventitious agent unless otherwise reported on Certificate of Analysis.

3. Composition/Component Information

Description: A mixture of components that may include, but is not limited to: inorganic salts, vitamins, amino acids, carbohydrates and other nutrients dissolved in water). Product contains a 5%-10% solution of Dimethyl sulfoxide as a cryoprotectant.

Ingredients: Not hazardous, however product should be handled according to good laboratory practices.

4. First Aid Measures

If inhaled: Move exposed person to fresh air. Consult a physician in case of complaints.

In case of skin contact: Wash off with plenty of water. Consult a physician if symptoms persist.

In case of eye contact: Rinse thoroughly with plenty of water for at least 15 minutes. Consult a physician if symptoms persist.

If swallowed: Never give anything by mouth to an unconscious person. Rinse mouth with water. Consult a physician if symptoms persist.

Safety Data Sheet

5. Fire Fighting Measures

Suitable extinguishing agents:	Water spray, alcohol-resistant foam, dry chemical or carbon dioxide.
Special protective equipment for fire fighters:	Wear self-contained breathing apparatus for fire-fighting if necessary.

6. Accidental Release Measures

Personal precautions	Use personal protection equipment. Ensure adequate ventilation.
Environmental precautions	Allow aerosols to settle; wearing protective clothing, cover spill with paper towel and apply 1% sodium hypochlorite. Allow sufficient contact time before clean-up (30 minutes).
Methods for cleaning up	Wash with soap and water. Work clothes should be laundered separately. Launder contaminated clothing before re-use. Do not take clothing home.

7. Handling and Storage

Handling	Use personal protection equipment. No special handling advices are necessary.
Storage	Keep container in dry place. Recommended storage temperature 4-30 °C (39-86 °F).

8. Exposure Control / Personal Protection

Control parameters:

Occupational exposure limits: No data available.

Biological exposure indices (BEI): No data available.

Additional exposure limits under the conditions of use: No data available.

Exposure control:

Appropriate engineering controls: Avoid inhalation. Use in well ventilated areas. Where an inhalation risk exists, mechanical extraction ventilation is recommended.

Personal Protective Equipment

Respiratory protection	Respiratory protection is not required.
Hand protection	Handle with nitrile or latex gloves. Gloves must be inspected prior to use. Use proper glove removal technique (without touching glove's outer surface) to avoid skin contact with this product. Dispose of contaminated gloves after use in accordance with applicable laws and good laboratory practices. Wash and dry hands.
Eye protection	Face shield and /or safety glasses conforming to the ANSI Z81.1 standard.
Hygiene measures	General industrial hygiene and safety practices.

9. Physical and Chemical Properties

Information on basic physical and chemical properties

Appearance (form): Frozen or freeze dried.

Color: Not known.

Odor: Not known.

Odor threshold: Not known.

pH (concentration): Not known.

Melting point/range (°C): Not known.

Boiling point/range (°C): Not known.

Flash point (°C): Not known.

Evaporation rate: Not known.

Flammability (solid, gas): Not known.

Ignition temperature (°C): Not known.

Upper/lower flammability/explosive limits: Not known.

Vapor pressure (20 °C): Not known.

Vapor density: Not known.

Relative density (25 °C): Not known.

Water solubility (g/L) at 20 °C: Not known.

n-Octanol/Water partition coefficient: Not known.

Auto-ignition temperature: Not known.

Decomposition temperature: Not known.

Viscosity, dynamic (mPa s): Not known.

Physical hazards:

None.

Other information:

Fat solubility (solvent-oil to be specified): Not known.

Bulk density: Not known.

Dissociation constant in water (pKa): Not known.

Oxidation-reduction potential: Not known.

10. Stability and Reactivity

Chemical stability	Stable under recommended storage conditions
Reactivity	No data available
Incompatible Materials	No data available
Conditions to avoid	Do not store next to heat source, in direct sunlight, or elevated storage temperature.
Hazardous decomposition products	Under normal conditions of storage and use, hazardous decomposition products should not be produced.

11. Toxicological Information

Acute toxicity	No data available
Irritation and corrosion	May cause skin and eye irritation in affected persons.
Sensitization	No data available
Carcinogenicity	No data available

12. Ecological Information

Toxicity:	No data available.
Persistence and degradability:	No data available.
Bioaccumulative potential:	Does not bioaccumulate.
Mobility in soil:	No data available.
Results of PBT& vPvB assessment:	No data available.
Other adverse effects:	No data available.

13. Disposal Considerations

Waste treatment methods: Dispose of in accordance with municipal, provincial and national regulations.

Product/packaging disposal: Recycle where possible.

14. Transport Information

	Land transport (ADR/RID)	Sea transport (IMDG)	Air transport (ICAO/IATA)
UN-Number:	Not required	Not required	Not required
UN Proper shipping name:	Not required	Not required	Not required
Transport hazard class:	Not required	Not required	Not required
Packaging group:	Not required	Not required	Not required
Marine pollutant:	Not required	Not required	Not required
Special precautions for user:	Not required	Not required	Not required
Transport in bulk according to MARPOL 73/78 Annex II and the IBC code:	Not required	Not required	Not required

15. Regulatory Information

Safety, health and environmental regulations/legislation for the mixture:

Relevant information regarding authorization:	Occupational Health and Safety Act 1993 Regulation for Hazardous Chemical Substances.
Relevant information regarding restrictions:	None known.
EU regulations:	Regulation EC 1272/2008 [EU-GHS/CLP]
Other National regulations:	None.
Chemical Safety Assessment carried out?	No.

16. Other Information

Training instructions: Use only as instructed.

Further information: The information contained herein is based upon the information currently within Biocept's possession. This SDS has been compiled and is solely intended for this product.

Additional information:

To our knowledge, the information contained herein is accurate. Biocept, Inc. does not represent, warrant or guarantee the accuracy or completeness of the information contained herein. Final determination of suitability of any material is the sole responsibility of the user. All materials contained in the product(s) provided by Biocept may present unknown hazards and should be used with caution. Although certain hazards are described herein, we cannot guarantee that these are the only hazards that exist.

1. Product and Company Identification

Product name: BRAF Standard A
Catalog/Part number: 2395
Recommended uses: Reference DNA Standards for QPCR

Manufacturer/Supplier: Biocept, Inc.
9955 Mesa Rim Road
San Diego, CA 92121

Telephone: 888-332-7799
Emergency Telephone: 800-373-7542

2. Hazards Identification

Classification of the substances or mixture:

The mixture is classified according to: *Hazardous chemical(s) under OSHA Hazard Communication Standard (29 CFR 1910.1200).*

Hazard classes/Hazard categories:

Handle as a potential biohazardous material under at least Biosafety containment. The standard A is not known to cause disease in healthy adult humans. The standard A has NOT been screened for Hepatitis B, human immunodeficiency viruses or other adventitious agent unless otherwise reported on Certificate of Analysis.

3. Composition/Component Information

Description: A mixture of components that may include, but is not limited to: inorganic salts, vitamins, amino acids, carbohydrates and other nutrients dissolved in water). Product contains a 5%-10% solution of Dimethyl sulfoxide as a cryoprotectant.

Ingredients: Not hazardous, however product should be handled according to good laboratory practices.

4. First Aid Measures

If inhaled: Move exposed person to fresh air. Consult a physician in case of complaints.

In case of skin contact: Wash off with plenty of water. Consult a physician if symptoms persist.

In case of eye contact: Rinse thoroughly with plenty of water for at least 15 minutes. Consult a physician if symptoms persist.

If swallowed: Never give anything by mouth to an unconscious person. Rinse mouth with water. Consult a physician if symptoms persist.

Safety Data Sheet

5. Fire Fighting Measures

Suitable extinguishing agents:	Water spray, alcohol-resistant foam, dry chemical or carbon dioxide.
Special protective equipment for fire fighters:	Wear self-contained breathing apparatus for fire-fighting if necessary.

6. Accidental Release Measures

Personal precautions	Use personal protection equipment. Ensure adequate ventilation.
Environmental precautions	Allow aerosols to settle; wearing protective clothing, cover spill with paper towel and apply 1% sodium hypochlorite. Allow sufficient contact time before clean-up (30 minutes).
Methods for cleaning up	Wash with soap and water. Work clothes should be laundered separately. Launder contaminated clothing before re-use. Do not take clothing home.

7. Handling and Storage

Handling	Use personal protection equipment. No special handling advices are necessary.
Storage	Keep container in dry place. Recommended storage temperature 4-30 °C (39-86 °F).

8. Exposure Control / Personal Protection

Control parameters:

Occupational exposure limits: No data available.

Biological exposure indices (BEI): No data available.

Additional exposure limits under the conditions of use: No data available.

Exposure control:

Appropriate engineering controls: Avoid inhalation. Use in well ventilated areas. Where an inhalation risk exists, mechanical extraction ventilation is recommended.

Personal Protective Equipment

Respiratory protection	Respiratory protection is not required.
Hand protection	Handle with nitrile or latex gloves. Gloves must be inspected prior to use. Use proper glove removal technique (without touching glove's outer surface) to avoid skin contact with this product. Dispose of contaminated gloves after use in accordance with applicable laws and good laboratory practices. Wash and dry hands.
Eye protection	Face shield and /or safety glasses conforming to the ANSI Z81.1 standard.
Hygiene measures	General industrial hygiene and safety practices.

9. Physical and Chemical Properties

Information on basic physical and chemical properties

Appearance (form): Frozen or freeze dried.

Color: Not known.

Odor: Not known.

Odor threshold: Not known.

pH (concentration): Not known.

Melting point/range (°C): Not known.

Boiling point/range (°C): Not known.

Flash point (°C): Not known.

Evaporation rate: Not known.

Flammability (solid, gas): Not known.

Ignition temperature (°C): Not known.

Upper/lower flammability/explosive limits: Not known.

Vapor pressure (20 °C): Not known.

Vapor density: Not known.

Relative density (25 °C): Not known.

Water solubility (g/L) at 20 °C: Not known.

n-Octanol/Water partition coefficient: Not known.

Auto-ignition temperature: Not known.

Decomposition temperature: Not known.

Viscosity, dynamic (mPa s): Not known.

Physical hazards:

None.

Other information:

Fat solubility (solvent-oil to be specified): Not known.

Bulk density: Not known.

Dissociation constant in water (pKa): Not known.

Oxidation-reduction potential: Not known.

10. Stability and Reactivity

Chemical stability	Stable under recommended storage conditions
Reactivity	No data available
Incompatible Materials	No data available
Conditions to avoid	Do not store next to heat source, in direct sunlight, or elevated storage temperature.
Hazardous decomposition products	Under normal conditions of storage and use, hazardous decomposition products should not be produced.

11. Toxicological Information

Acute toxicity	No data available
Irritation and corrosion	May cause skin and eye irritation in affected persons.
Sensitization	No data available
Carcinogenicity	No data available

12. Ecological Information

Toxicity:	No data available.
Persistence and degradability:	No data available.
Bioaccumulative potential:	Does not bioaccumulate.
Mobility in soil:	No data available.
Results of PBT& vPvB assessment:	No data available.
Other adverse effects:	No data available.

13. Disposal Considerations

Waste treatment methods: Dispose of in accordance with municipal, provincial and national regulations.

Product/packaging disposal: Recycle where possible.

14. Transport Information

	Land transport (ADR/RID)	Sea transport (IMDG)	Air transport (ICAO/IATA)
UN-Number:	Not required	Not required	Not required
UN Proper shipping name:	Not required	Not required	Not required
Transport hazard class:	Not required	Not required	Not required
Packaging group:	Not required	Not required	Not required
Marine pollutant:	Not required	Not required	Not required
Special precautions for user:	Not required	Not required	Not required
Transport in bulk according to MARPOL 73/78 Annex II and the IBC code:	Not required	Not required	Not required

15. Regulatory Information

Safety, health and environmental regulations/legislation for the mixture:

Relevant information regarding authorization:	Occupational Health and Safety Act 1993 Regulation for Hazardous Chemical Substances.
Relevant information regarding restrictions:	None known.
EU regulations:	Regulation EC 1272/2008 [EU-GHS/CLP]
Other National regulations:	None.
Chemical Safety Assessment carried out?	No.

16. Other Information

Training instructions: Use only as instructed.

Further information: The information contained herein is based upon the information currently within Biocept's possession. This SDS has been compiled and is solely intended for this product.

Additional information:

To our knowledge, the information contained herein is accurate. Biocept, Inc. does not represent, warrant or guarantee the accuracy or completeness of the information contained herein. Final determination of suitability of any material is the sole responsibility of the user. All materials contained in the product(s) provided by Biocept may present unknown hazards and should be used with caution. Although certain hazards are described herein, we cannot guarantee that these are the only hazards that exist.

1. Product and Company Identification

Product name: BRAF Sequencing Primer
Catalog/Part number: 2405
Recommended uses: Sequencing

Manufacturer/Supplier: Biocept, Inc.
9955 Mesa Rim Road
San Diego, CA 92121

Telephone: 888-332-7799
Emergency Telephone: 800-373-7542

2. Hazards Identification

Classification of the substances or mixture:

The mixture is classified according to: *Hazardous chemical(s) under OSHA Hazard Communication Standard (29 CFR 1910.1200).*

Hazard classes/Hazard categories:

Handle as a potential biohazardous material under at least Biosafety containment. The Sequence primer is not known to cause disease in healthy adult humans. The Sequence primer has NOT been screened for Hepatitis B, human immunodeficiency viruses or other adventitious agent unless otherwise reported on Certificate of Analysis.

3. Composition/Component Information

Description: Switch Blocker

Ingredients: Biocept proprietary product

Not hazardous, however product should be handled according to good laboratory practices.

4. First Aid Measures

If inhaled: Move exposed person to fresh air. Consult a physician in case of complaints.

In case of skin contact: Wash off with plenty of water. Consult a physician if symptoms persist.

In case of eye contact: Rinse thoroughly with plenty of water for at least 15 minutes. Consult a physician if symptoms persist.

If swallowed: Never give anything by mouth to an unconscious person. Rinse mouth with water. Consult a physician if symptoms persist.

Safety Data Sheet

5. Fire Fighting Measures

Suitable extinguishing agents:	Water spray, alcohol-resistant foam, dry chemical or carbon dioxide.
Special protective equipment for fire fighters:	Wear self-contained breathing apparatus for fire-fighting if necessary.

6. Accidental Release Measures

Personal precautions	Use personal protection equipment. Ensure adequate ventilation.
Environmental precautions	Allow aerosols to settle; wearing protective clothing, cover spill with paper towel and apply 1% sodium hypochlorite. Allow sufficient contact time before clean-up (30 minutes).
Methods for cleaning up	Wash with soap and water. Work clothes should be laundered separately. Launder contaminated clothing before re-use. Do not take clothing home.

7. Handling and Storage

Handling	Use personal protection equipment. No special handling advices are necessary.
Storage	Keep container in dry place. Recommended storage temperature 4-30 °C (39-86 °F).

8. Exposure Control / Personal Protection

Control parameters:

Occupational exposure limits: No data available.

Biological exposure indices (BEI): No data available.

Additional exposure limits under the conditions of use: No data available

Exposure control:

Appropriate engineering controls: Avoid inhalation. Use in well ventilated areas. Where an inhalation risk exists, mechanical extraction ventilation is recommended.

Personal Protective Equipment

Respiratory protection	Respiratory protection is not required.
Hand protection	Handle with nitrile or latex gloves. Gloves must be inspected prior to use. Use proper glove removal technique (without touching glove's outer surface) to avoid skin contact with this product. Dispose of contaminated gloves after use in accordance with applicable laws and good laboratory practices. Wash and dry hands.
Eye protection	Face shield and /or safety glasses conforming to the ANSI Z81.1 standard.
Hygiene measures	General industrial hygiene and safety practices.

9. Physical and Chemical Properties

Information on basic physical and chemical properties

Appearance (form): Frozen or freeze dried.

Color: Not known.

Odor: Not known.

Odor threshold: Not known.

pH (concentration): Not known.

Melting point/range (°C): Not known.

Boiling point/range (°C): Not known.

Flash point (°C): Not known.

Evaporation rate: Not known.

Flammability (solid, gas): Not known.

Ignition temperature (°C): Not known.

Upper/lower flammability/explosive limits: Not known.

Vapor pressure (20 °C): Not known.

Vapor density: Not known.

Relative density (25 °C): Not known.

Water solubility (g/L) at 20 °C: Not known.

n-Octanol/Water partition coefficient: Not known.

Auto-ignition temperature: Not known.

Decomposition temperature: Not known.

Viscosity, dynamic (mPa s): Not known.

Physical hazards: None.

Other information:

Fat solubility (solvent-oil to be specified): Not known.

Bulk density: Not known.

Dissociation constant in water (pKa): Not known.

Oxidation-reduction potential: Not known.

10. Stability and Reactivity

Chemical stability	Stable under recommended storage conditions
Reactivity	No data available
Incompatible Materials	No data available
Conditions to avoid	Do not store next to heat source, in direct sunlight, or elevated storage temperature.
Hazardous decomposition products	Under normal conditions of storage and use, hazardous decomposition products should not be produced.

11. Toxicological Information

Acute toxicity	No data available
Irritation and corrosion	May cause skin and eye irritation in affected persons.
Sensitization	No data available
Carcinogenicity	No data available

12. Ecological Information

Toxicity:	No data available.
Persistence and degradability:	No data available.
Bioaccumulative potential:	No data available.
Mobility in soil:	No data available.
Results of PBT& vPvB assessment:	No data available.
Other adverse effects:	No data available.

13. Disposal Considerations

Waste treatment methods: Dispose of in accordance with municipal, provincial and national regulations.

Product/packaging disposal: Recycle where possible.

14. Transport Information

	Land transport (ADR/RID)	Sea transport (IMDG)	Air transport (ICAO/IATA)
UN-Number:	Not required	Not required	Not required
UN Proper shipping name:	Not required	Not required	Not required
Transport hazard class:	Not required	Not required	Not required
Packaging group:	Not required	Not required	Not required
Marine pollutant:	Not required	Not required	Not required
Special precautions for user:	Not required	Not required	Not required
Transport in bulk according to MARPOL 73/78 Annex II and the IBC code:	Not required	Not required	Not required

15. Regulatory Information

This substance is not SARA listed. It is for research and development use only.

US Federal Regulations: SARA 313: This product is not regulated by SARA, CAA, Section 112, Hazardous Air Pollutant's (HAPs) 40 CFR 61): This product does not contain HAPs

US State Regulations: California proposition 65: This product does not contain chemicals listed under Proposition 65.

16. Other Information

Training instructions: Use only as instructed.

Further information: T The information contained herein is based upon the information currently within Biocept's possession. This SDS has been compiled and is solely intended for this product.

Additional information:

To our knowledge, the information contained herein is accurate. Biocept, Inc. does not represent, warrant or guarantee the accuracy or completeness of the information contained herein. Final determination of suitability of any material is the sole responsibility of the user. All materials contained in the product(s) provided by Biocept may present unknown hazards and should be used with caution. Although certain hazards are described herein, we cannot guarantee that these are the only hazards that exist.