

# Safety Data Sheet

## DeNovix dsDNA Broad Range 1

DeNovix, Inc.

# Safety Data Sheet

## DeNovix dsDNA Broad Range Buffer 1

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### SECTION 1: Identification

#### 1.1 GHS Product identifier

Product name	DeNovix dsDNA Broad Range Buffer 1
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#### 1.2 Other means of identification

Component 1 of 4 of KIT-DSDNA-BROAD-2 (250 mL) or KIT-DSDNA-BROAD-E (10 mL)

#### 1.3 Recommended use of the chemical and restrictions on use

For research use only

#### 1.4 Supplier's details

Name	DeNovix, Inc.
Address	3411 Silverside Road Hanby Building 101 Wilmington DE 19810 USA

Telephone	302-442-6911
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#### 1.5 Emergency phone number

302-442-6911

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### SECTION 2: Hazard identification

#### 2.1 Classification of the substance or mixture

**GHS classification in accordance with: OSHA (29 CFR 1910.1200)**

Not a hazardous substance or mixture.

#### 2.2 GHS label elements, including precautionary statements

Not a hazardous substance or mixture.

#### 2.3 Other hazards which do not result in classification

Not a hazardous substance or mixture.

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## **SECTION 3: Composition/information on ingredients**

### **3.2 Mixtures**

No ingredients present at concentrations classified as hazardous to health or the environment.

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## **SECTION 4: First-aid measures**

### **4.1 Description of necessary first-aid measures**

General advice	Consult a physician. Show this safety data sheet to the doctor in attendance.
If inhaled	If breathed in, move person into fresh air. If not breathing, give artificial respiration.
In case of skin contact	Rinse with plenty of water. Get medical attention if irritation develops and persists.
In case of eye contact	Rinse cautiously with water for at least 15 minutes. Remove contact lenses, if present and easy to do. Continue rinsing. If eye irritation persists: Get medical attention/advice.
If swallowed	Do NOT induce vomiting. Never give anything by mouth to an unconscious person. Rinse mouth with water. Consult a physician.
Personal protective equipment for first-aid responders	Handle in accordance with good industrial hygiene and safety practice.

### **4.2 Most important symptoms/effects, acute and delayed**

The most important known symptoms and effects are described in the labelling (see section 2.2) and/or in section 11

### **4.3 Indication of immediate medical attention and special treatment needed, if necessary**

No data available

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## **SECTION 5: Fire-fighting measures**

### **5.1 Suitable extinguishing media**

Use water spray, alcohol-resistant foam, dry chemical or carbon dioxide.

### **5.2 Specific hazards arising from the chemical**

Carbon oxides

### **5.3 Special protective actions for fire-fighters**

Wear self-contained breathing apparatus for firefighting if necessary.

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## **SECTION 6: Accidental release measures**

### **6.1 Personal precautions, protective equipment and emergency procedures**

Use personal protective equipment. Avoid breathing vapours, mist or gas. Ensure adequate ventilation. Remove all sources of ignition.

### **6.3 Methods and materials for containment and cleaning up**

Soak up with inert absorbent material (e.g. sand, silica gel). Keep in suitable, closed containers for disposal.

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## **SECTION 7: Handling and storage**

### **7.1 Precautions for safe handling**

Avoid contact with skin and eyes. Avoid formation of dust and aerosols. Provide appropriate exhaust ventilation at places where dust is formed. Keep away from sources of ignition - No smoking. For precautions see section 2.2.

### **7.2 Conditions for safe storage, including any incompatibilities**

Keep container tightly closed in a dry and well-ventilated place. Light sensitive.

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## **SECTION 8: Exposure controls/personal protection**

### **8.2 Appropriate engineering controls**

Handle in accordance with good industrial hygiene and safety practice. Wash hands before breaks and at the end of workday.

### **8.3 Individual protection measures, such as personal protective equipment (PPE)**

#### **Eye/face protection**

Use equipment for eye protection tested and approved under appropriate government standards such as NIOSH (US) or EN 166(EU).

#### **Skin protection**

Handle with 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.

#### **Respiratory protection**

Respiratory protection is not required. Where protection from nuisance levels of dusts are desired, use type N95 (US) or type P1 (EN 143) dust masks. Use respirators and components tested and approved under appropriate government standards such as NIOSH (US) or CEN (EU).

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## **SECTION 9: Physical and chemical properties**

Appearance (physical state, color, etc.)

Odor

Odor threshold

pH

Melting point/freezing point

Initial boiling point and boiling range

Flash point

Colorless Liquid

No information available

No information available

No information available

No information available

No information available

No information available

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## DeNovix dsDNA Broad Range 1

Evaporation rate	No information available
Flammability (solid, gas)	No information available
Upper/lower flammability or explosive limits	No information available
Vapor pressure	No information available
Vapor density	No information available
Relative density	No information available
Solubility(ies)	No information available
Partition coefficient: n-octanol/water	No information available
Auto-ignition temperature	No information available
Decomposition temperature	No information available
Viscosity	No information available

### Additional properties

Physical state	Liquid
Color	Colorless

### Particle characteristics

Not Applicable

### Supplemental information regarding physical hazard classes

No information available

### Further safety characteristics (supplemental)

No information available

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## SECTION 10: Stability and reactivity

### 10.1 Reactivity

None under normal use conditions.

### 10.2 Chemical stability

Stable under recommended storage conditions.

### 10.3 Possibility of hazardous reactions

None under normal use conditions.

### 10.4 Conditions to avoid

None under normal use conditions.

### 10.5 Incompatible materials

Strong oxidizing agents

### 10.6 Hazardous decomposition products

Other decomposition products - No data available In the event of fire: see section 5

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## SECTION 11: Toxicological information

### Information on toxicological effects

#### Acute toxicity

No information available

# Safety Data Sheet

## DeNovix dsDNA Broad Range 1

### **Skin corrosion/irritation**

No information available

### **Serious eye damage/irritation**

No information available

### **Respiratory or skin sensitization**

No information available

### **Germ cell mutagenicity**

No information available

### **Carcinogenicity**

IARC: No component of this product present at levels greater than or equal to 0.1% is identified as a carcinogen or potential carcinogen by IARC.

ACGIH: No component of this product present at levels greater than or equal to 0.1% is identified as a carcinogen or potential carcinogen by ACGIH.

NTP: No component of this product present at levels greater than or equal to 0.1% is identified as a known or anticipated carcinogen by NTP.

OSHA: No component of this product present at levels greater than or equal to 0.1% is identified as a carcinogen or potential carcinogen by OSHA.

### **Reproductive toxicity**

No information available

### **Specific target organ toxicity (STOT) - single exposure**

No information available

### **Specific target organ toxicity (STOT) - repeated exposure**

No information available

### **Aspiration hazard**

No information available

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## **SECTION 12: Ecological information**

### **Toxicity**

No information available

### **Persistence and degradability**

No information available

### **Bioaccumulative potential**

No information available

### **Mobility in soil**

No information available

### **Results of PBT and vPvB assessment**

No information available

### **Endocrine disrupting properties**

No information available

**Other adverse effects**

An environmental hazard cannot be excluded in the event of unprofessional handling or disposal.

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**SECTION 13: Disposal considerations**

**Disposal methods**

**Product disposal**

Products covered by this SDS, in their original form, when disposed as waste, are considered non hazardous waste according to Federal RCRA regulations (40 CFR 261). Disposal should be in accordance with local, state and federal regulations. Dispose of empty container in the trash or recycle where facilities exist.

**Packaging disposal**

Dispose of as unused product.

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**SECTION 14: Transport information**

**DOT (US)**

Not dangerous goods

**IMDG**

Not dangerous goods

**IATA**

Not dangerous goods

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**SECTION 15: Regulatory information**

**15.1 Safety, health and environmental regulations specific for the product in question**

**California Prop. 65 Components**

This product does not contain any chemicals known to State of California to cause cancer, birth defects, or any other reproductive harm.

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**SECTION 16: Other information**

**16.2 Preparation information**

**DISCLAIMER:**

The above information is believed to be correct but does not purport to be all inclusive and shall be used only as a guide. The information in this document is based on the present state of our knowledge and is applicable to the product with regard to appropriate safety precautions. It does not represent any guarantee of the properties of the product. DeNovix Inc. shall not be held liable for any damage resulting from handling or from contact with the above product.

**DeNovix, Inc.**

**Safety Data Sheet**  
**DeNovix dsDNA Broad Range Enhancer (100x in water)**

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**SECTION 1: Identification**

**1.1 GHS Product identifier**

Product name DeNovix dsDNA Broad Range Enhancer (100x in water)

**1.2 Other means of identification**

Component 2 of 4 of KIT-DSDNA-BROAD-2 (2 x 1 mL) or KIT-DSDNA-BROAD-E (100 µL)

**1.3 Recommended use of the chemical and restrictions on use**

For research use only

**1.4 Supplier's details**

Name DeNovix, Inc.  
Address 3411 Silverside Road  
Hanby Building 101  
Wilmington DE 19810  
USA

Telephone 302-442-6911

**1.5 Emergency phone number**

302-442-6911

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**SECTION 2: Hazard identification**

**2.1 Classification of the substance or mixture**

**GHS classification in accordance with: OSHA (29 CFR 1910.1200)**

Not a hazardous substance or mixture.

**2.2 GHS label elements, including precautionary statements**

Not a hazardous substance or mixture.

**2.3 Other hazards which do not result in classification**

Not a hazardous substance or mixture.

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## **SECTION 3: Composition/information on ingredients**

### **3.2 Mixtures**

No ingredients present at concentrations classified as hazardous to health or the environment

---

## **SECTION 4: First-aid measures**

### **4.1 Description of necessary first-aid measures**

General advice	Consult a physician. Show this safety data sheet to the doctor in attendance.
If inhaled	If breathed in, move person into fresh air. If not breathing, give artificial respiration.
In case of skin contact	Rinse with plenty of water. Get medical attention if irritation develops and persists.
In case of eye contact	Rinse cautiously with water for at least 15 minutes. Remove contact lenses, if present and easy to do. Continue rinsing. If eye irritation persists: Get medical attention/advice.
If swallowed	Do NOT induce vomiting. Never give anything by mouth to an unconscious person. Rinse mouth with water. Consult a physician.

### **4.2 Most important symptoms/effects, acute and delayed**

The most important known symptoms and effects are described in the labelling (see section 2.2) and/or in section 11

### **4.3 Indication of immediate medical attention and special treatment needed, if necessary**

No data available

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## **SECTION 5: Fire-fighting measures**

### **5.1 Suitable extinguishing media**

Use water spray, alcohol-resistant foam, dry chemical or carbon dioxide.

### **5.2 Specific hazards arising from the chemical**

Carbon oxides

### **5.3 Special protective actions for fire-fighters**

Wear self-contained breathing apparatus for firefighting if necessary.

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## **SECTION 6: Accidental release measures**

### **6.1 Personal precautions, protective equipment and emergency procedures**

Use personal protective equipment. Avoid breathing vapours, mist or gas. Ensure adequate ventilation. Remove all sources of ignition.



- 6.3 Methods and materials for containment and cleaning up**  
Soak up with inert absorbent material (e.g. sand, silica gel). Keep in suitable, closed containers for disposal.

**SECTION 7: Handling and storage**

- 7.1 Precautions for safe handling**  
Avoid contact with skin and eyes. Avoid formation of dust and aerosols. Provide appropriate exhaust ventilation at places where dust is formed. Keep away from sources of ignition - No smoking. For precautions see section 2.2.
- 7.2 Conditions for safe storage, including any incompatibilities**  
Keep container tightly closed in a dry and well-ventilated place. Light sensitive.

**SECTION 8: Exposure controls/personal protection**

- 8.2 Appropriate engineering controls**  
Handle in accordance with good industrial hygiene and safety practice. Wash hands before breaks and at the end of workday.
- 8.3 Individual protection measures, such as personal protective equipment (PPE)**
- Eye/face protection**  
Use equipment for eye protection tested and approved under appropriate government standards such as NIOSH (US) or EN 166(EU).
- Skin protection**  
Handle with 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.
- Respiratory protection**  
Respiratory protection is not required. Where protection from nuisance levels of dusts are desired, use type N95 (US) or type P1 (EN 143) dust masks. Use respirators and components tested and approved under appropriate government standards such as NIOSH (US) or CEN (EU).

**SECTION 9: Physical and chemical properties**

Appearance (physical state, color, etc.)	Colorless Liquid
Odor	No information available
Odor threshold	No information available
pH	No information available
Melting point/freezing point	No information available
Initial boiling point and boiling range	No information available
Flash point	No information available
Evaporation rate	No information available
Flammability (solid, gas)	No information available
Upper/lower flammability or explosive limits	No information available
Vapor pressure	No information available
Vapor density	No information available
Relative density	No information available

# Safety Data Sheet

## DeNovix dsDNA Broad Range 1

Solubility(ies)  
Partition coefficient: n-octanol/water  
Auto-ignition temperature  
Decomposition temperature  
Viscosity

No information available  
No information available  
No information available  
No information available  
No information available

### Additional properties

Physical state  
Color

Liquid  
Colorless

### Particle characteristics

Not Applicable

### Supplemental information regarding physical hazard classes

No information available

### Further safety characteristics (supplemental)

No information available

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## SECTION 10: Stability and reactivity

### 10.1 Reactivity

None under normal use conditions.

### 10.2 Chemical stability

Stable under recommended storage conditions.

### 10.3 Possibility of hazardous reactions

None under normal use conditions.

### 10.4 Conditions to avoid

None under normal use conditions.

### 10.5 Incompatible materials

Strong oxidizing agents

### 10.6 Hazardous decomposition products

Other decomposition products - No data available In the event of fire: see section 5

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## SECTION 11: Toxicological information

### Information on toxicological effects

#### Acute toxicity

No information available

#### Skin corrosion/irritation

No information available

#### Serious eye damage/irritation

No information available

# Safety Data Sheet

## DeNovix dsDNA Broad Range 1

### Respiratory or skin sensitization

No information available

### Germ cell mutagenicity

No information available

### Carcinogenicity

IARC: No component of this product present at levels greater than or equal to 0.1% is identified as a carcinogen or potential carcinogen by IARC.

ACGIH: No component of this product present at levels greater than or equal to 0.1% is identified as a carcinogen or potential carcinogen by ACGIH.

NTP: No component of this product present at levels greater than or equal to 0.1% is identified as a known or anticipated carcinogen by NTP.

OSHA: No component of this product present at levels greater than or equal to 0.1% is identified as a carcinogen or potential carcinogen by OSHA.

### Reproductive toxicity

No information available

### Specific target organ toxicity (STOT) - single exposure

No information available

### Specific target organ toxicity (STOT) - repeated exposure

No information available

### Aspiration hazard

No information available

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## SECTION 12: Ecological information

### Toxicity

No information available

### Persistence and degradability

No information available

### Bioaccumulative potential

No information available

### Mobility in soil

No information available

### Results of PBT and vPvB assessment

No information available

### Endocrine disrupting properties

No information available

### Other adverse effects

An environmental hazard cannot be excluded in the event of unprofessional handling or disposal.

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## **SECTION 13: Disposal considerations**

### **Disposal methods**

#### **Product disposal**

Products covered by this SDS, in their original form, when disposed as waste, are considered non hazardous waste according to Federal RCRA regulations (40 CFR 261). Disposal should be in accordance with local, state and federal regulations. Dispose of empty container in the trash or recycle where facilities exist.

#### **Packaging disposal**

Dispose of as unused product.

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## **SECTION 14: Transport information**

### **DOT (US)**

Not dangerous goods

### **IMDG**

Not dangerous goods

### **IATA**

Not dangerous goods

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## **SECTION 15: Regulatory information**

### **California Prop. 65 Components**

This product does not contain any chemicals known to State of California to cause cancer, birth defects, or any other reproductive harm.

### **Massachusetts Right To Know Components**

No components are subject to the Massachusetts Right to Know Act.

### **New Jersey Right To Know Components**

Water

CAS-No. 7732-18-5

### **Pennsylvania Right To Know Components**

Water

CAS-No. 7732-18-5

### **SARA 302 Components**

No chemicals in this material are subject to the reporting requirements of SARA Title III, Section 302.

### **SARA 311/312 Hazards**

# Safety Data Sheet

## DeNovix dsDNA Broad Range 1

No SARA Hazards

### SARA 313 Components

This material does not contain any chemical components with known CAS numbers that exceed the threshold (De Minimis) reporting levels established by SARA Title III, Section 313.

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## SECTION 16: Other information

### 16.2 Preparation information

#### DISCLAIMER:

The above information is believed to be correct but does not purport to be all inclusive and shall be used only as a guide. The information in this document is based on the present state of our knowledge and is applicable to the product with regard to appropriate safety precautions. It does not represent any guarantee of the properties of the product. DeNovix Inc. shall not be held liable for any damage resulting from handling or from contact with the above product.

**DeNovix, Inc.**

**Safety Data Sheet**  
**DeNovix dsDNA Broad Range Dye (100x in DMSO)**

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**SECTION 1: Identification**

**1.1 GHS Product identifier**

Product name	DeNovix dsDNA Broad Range Dye (100x in DMSO)
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**1.2 Other means of identification**

Component 3 of 4 of KIT-DSDNA-BROAD-2 (2 x 1 mL) or KIT-DSDNA-BROAD-E (100 uL)

**1.3 Recommended use of the chemical and restrictions on use**

For research use only

**1.4 Supplier's details**

Name	DeNovix, Inc.
Address	3411 Silverside Road Hanby Building 101 Wilmington DE 19810 USA

Telephone	302-442-6911
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**1.5 Emergency phone number**

302-442-6911

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**SECTION 2: Hazard identification**

**2.1 Classification of the substance or mixture**

**GHS classification in accordance with: OSHA (29 CFR 1910.1200)**

Not a hazardous substance or mixture.

**2.2 GHS label elements, including precautionary statements**

Not a hazardous substance or mixture.

**2.3 Other hazards which do not result in classification**

Not a hazardous substance or mixture.

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## **SECTION 3: Composition/information on ingredients**

### **3.2 Mixtures**

#### **Hazardous components**

##### **1. Dimethyl sulfoxide**

Concentration	90 - 100 % (weight)
EC no.	200-664-3
CAS no.	67-68-5

- Flammable liquids, Cat. 4

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## **SECTION 4: First-aid measures**

### **4.1 Description of necessary first-aid measures**

General advice	Consult a physician. Show this safety data sheet to the doctor in attendance.
If inhaled	If breathed in, move person into fresh air. If not breathing, give artificial respiration.
In case of skin contact	Rinse with plenty of water. Get medical attention if irritation develops and persists.
In case of eye contact	Rinse cautiously with water for at least 15 minutes. Remove contact lenses, if present and easy to do. Continue rinsing. If eye irritation persists: Get medical attention/advice.
If swallowed	Do NOT induce vomiting. Never give anything by mouth to an unconscious person. Rinse mouth with water. Consult a physician.

### **4.2 Most important symptoms/effects, acute and delayed**

The most important known symptoms and effects are described in the labelling (see section 2.2) and/or in section 11

### **4.3 Indication of immediate medical attention and special treatment needed, if necessary**

No data available

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## **SECTION 5: Fire-fighting measures**

### **5.1 Suitable extinguishing media**

Use water spray, alcohol-resistant foam, dry chemical or carbon dioxide.

### **5.2 Specific hazards arising from the chemical**

Carbon oxides

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Dimethyl sulfoxide: Carbon oxides, Sulphur oxides

**5.3 Special protective actions for fire-fighters**

Wear self-contained breathing apparatus for firefighting if necessary.

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**SECTION 6: Accidental release measures**

**6.1 Personal precautions, protective equipment and emergency procedures**

Use personal protective equipment. Avoid breathing vapours, mist or gas. Ensure adequate ventilation. Remove all sources of ignition.

**6.3 Methods and materials for containment and cleaning up**

Soak up with inert absorbent material (e.g. sand, silica gel). Keep in suitable, closed containers for disposal.

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**SECTION 7: Handling and storage**

**7.1 Precautions for safe handling**

Avoid contact with skin and eyes. Avoid formation of dust and aerosols. Provide appropriate exhaust ventilation at places where dust is formed. Keep away from sources of ignition - No smoking. For precautions see section 2.2.

**7.2 Conditions for safe storage, including any incompatibilities**

Keep container tightly closed in a dry and well-ventilated place. Light sensitive.

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**SECTION 8: Exposure controls/personal protection**

**8.2 Appropriate engineering controls**

Handle in accordance with good industrial hygiene and safety practice. Wash hands before breaks and at the end of workday.

**8.3 Individual protection measures, such as personal protective equipment (PPE)**

**Eye/face protection**

Use equipment for eye protection tested and approved under appropriate government standards such as NIOSH (US) or EN 166(EU).

**Skin protection**

Handle with 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.

**Respiratory protection**

Respiratory protection is not required. Where protection from nuisance levels of dusts are desired, use type N95 (US) or type P1 (EN 143) dust masks. Use respirators and components tested and approved under appropriate government standards such as NIOSH (US) or CEN (EU).

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**SECTION 9: Physical and chemical properties**

Appearance (physical state, color, etc.) Pale Yellow  
Liquid  
Odor No information available



# Safety Data Sheet

## DeNovix dsDNA Broad Range 1

Odor threshold	No information available
pH	No information available
Melting point/freezing point	No information available
Initial boiling point and boiling range	No information available
Flash point	No information available
Evaporation rate	No information available
Flammability (solid, gas)	No information available
Upper/lower flammability or explosive limits	No information available
Vapor pressure	No information available
Vapor density	No information available
Relative density	No information available
Solubility(ies)	Soluble
Partition coefficient: n-octanol/water	No information available
Auto-ignition temperature	No information available
Decomposition temperature	No information available
Viscosity	No information available

### Additional properties

Physical state	Liquid
Color	Pale Yellow

### Particle characteristics

Not Applicable

### Supplemental information regarding physical hazard classes

No information available

### Further safety characteristics (supplemental)

No information available

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## SECTION 10: Stability and reactivity

### 10.1 Reactivity

None under normal use conditions.

### 10.2 Chemical stability

Stable under recommended storage conditions.

### 10.3 Possibility of hazardous reactions

None under normal use conditions.

### 10.4 Conditions to avoid

None under normal use conditions.

### 10.5 Incompatible materials

Strong oxidizing agents

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Dimethyl sulfoxide: Acid chlorides, Phosphorus halides, Strong acids, Strong oxidizing agents, Strong reducing agents

### 10.6 Hazardous decomposition products

Other decomposition products - No data available In the event of fire: see section 5

## **SECTION 11: Toxicological information**

### **Information on toxicological effects**

#### **Acute toxicity**

ORAL LD50 rat 14,500 mg/kg

INHALATION LC50 rat 4 h – 40250 ppm

DERMAL LD50 rabbit 5,000 mg/kg

#### **Skin corrosion/irritation**

No information available

#### **Serious eye damage/irritation**

No information available

#### **Respiratory or skin sensitization**

No information available

#### **Germ cell mutagenicity**

No information available

#### **Carcinogenicity**

IARC: No component of this product present at levels greater than or equal to 0.1% is identified as a carcinogen or potential carcinogen by IARC.

ACGIH: No component of this product present at levels greater than or equal to 0.1% is identified as a carcinogen or potential carcinogen by ACGIH.

NTP: No component of this product present at levels greater than or equal to 0.1% is identified as a known or anticipated carcinogen by NTP.

OSHA: No component of this product present at levels greater than or equal to 0.1% is identified as a carcinogen or potential carcinogen by OSHA.

#### **Reproductive toxicity**

No information available

#### **Summary of evaluation of the CMR properties**

This solution contains a DNA-binding dye. In general, any DNA binding chemical should be regarded to be potentially mutagenic and thus be handled with caution. The complete toxicity profile of the dye is not known. Exercise caution when using this product by wearing gloves, goggles, and protective clothing.

#### **Specific target organ toxicity (STOT) - single exposure**

No information available

#### **Specific target organ toxicity (STOT) - repeated exposure**

No information available

#### **Aspiration hazard**

No information available

## **SECTION 12: Ecological information**

### **Toxicity**

No information available

### **Persistence and degradability**

No information available

### **Bioaccumulative potential**

No information available

### **Mobility in soil**

No information available

### **Results of PBT and vPvB assessment**

No information available

### **Endocrine disrupting properties**

No information available

### **Other adverse effects**

An environmental hazard cannot be excluded in the event of unprofessional handling or disposal.

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## **SECTION 13: Disposal considerations**

### **Disposal methods**

#### **Product disposal**

Products covered by this SDS, in their original form, when disposed as waste, are considered non hazardous waste according to Federal RCRA regulations (40 CFR 261). Disposal should be in accordance with local, state and federal regulations. Dispose of empty container in the trash or recycle where facilities exist.

#### **Packaging disposal**

Dispose of as unused product.

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## **SECTION 14: Transport information**

### **DOT (US)**

Not dangerous goods

### **IMDG**

Not dangerous goods

### **IATA**

Not dangerous goods

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## **SECTION 15: Regulatory information**

### **15.1 Safety, health and environmental regulations specific for the product in question**

# Safety Data Sheet

## DeNovix dsDNA Broad Range 1

### California Prop. 65 Components

This product does not contain any chemicals known to State of California to cause cancer, birth defects, or any other reproductive harm.

### Massachusetts Right To Know Components

No components are subject to the Massachusetts Right to Know Act.

### New Jersey Right To Know Components

Common name: Dimethyl sulfoxide

CAS number: 67-68-5

### Pennsylvania Right To Know Components

Common name: Dimethyl sulfoxide

CAS number: 67-68-5

### SARA 302 Components

No chemicals in this material are subject to the reporting requirements of SARA Title III, Section 302.

### SARA 311/312 Hazards

Fire Hazard, Chronic Health Hazard

### SARA 313 Components

This material does not contain any chemical components with known CAS numbers that exceed the threshold (De Minimis) reporting levels established by SARA Title III, Section 313.

---

## SECTION 16: Other information

### 16.2 Preparation information

#### DISCLAIMER:

The above information is believed to be correct but does not purport to be all inclusive and shall be used only as a guide. The information in this document is based on the present state of our knowledge and is applicable to the product with regard to appropriate safety precautions. It does not represent any guarantee of the properties of the product. DeNovix Inc. shall not be held liable for any damage resulting from handling or from contact with the above product.

**DeNovix, Inc.**

**Safety Data Sheet**  
**DeNovix dsDNA Broad Range Standards 200 ng/uL and 0 ng/uL**

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**SECTION 1: Identification**

**1.1 GHS Product identifier**

Product name DeNovix dsDNA Broad Range Standards 200 ng/uL and 0 ng/uL

**1.2 Other means of identification**

Component 4 of 4 of KIT-DSDNA-BROAD-2 (0.5 mL) or KIT-DSDNA-BROAD-E (0.5 mL)

**1.3 Recommended use of the chemical and restrictions on use**

For research use only

**1.4 Supplier's details**

Name DeNovix, Inc.  
Address 3411 Silverside Road  
Hanby Building 101  
Wilmington DE 19810  
USA

Telephone 302-442-6911

**1.5 Emergency phone number**

302-442-6911

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**SECTION 2: Hazard identification**

**2.1 Classification of the substance or mixture**

**GHS classification in accordance with: OSHA (29 CFR 1910.1200)**

Not a hazardous substance or mixture.

**2.2 GHS label elements, including precautionary statements**

Not a hazardous substance or mixture.

**2.3 Other hazards which do not result in classification**

Not a hazardous substance or mixture.

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## **SECTION 3: Composition/information on ingredients**

### **3.2 Mixtures**

No ingredients present at concentrations classified as hazardous to health or the environment.

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## **SECTION 4: First-aid measures**

### **4.1 Description of necessary first-aid measures**

General advice	Consult a physician. Show this safety data sheet to the doctor in attendance.
If inhaled	If breathed in, move person into fresh air. If not breathing, give artificial respiration.
In case of skin contact	Rinse with plenty of water. Get medical attention if irritation develops and persists.
In case of eye contact	Rinse cautiously with water for at least 15 minutes. Remove contact lenses, if present and easy to do. Continue rinsing. If eye irritation persists: Get medical attention/advice.
If swallowed	Do NOT induce vomiting. Never give anything by mouth to an unconscious person. Rinse mouth with water. Consult a physician.
Personal protective equipment for first-aid responders	Handle in accordance with good industrial hygiene and safety practice.

### **4.2 Most important symptoms/effects, acute and delayed**

The most important known symptoms and effects are described in the labelling (see section 2.2) and/or in section 11

### **4.3 Indication of immediate medical attention and special treatment needed, if necessary**

No data available

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## **SECTION 5: Fire-fighting measures**

### **5.1 Suitable extinguishing media**

Use water spray, alcohol-resistant foam, dry chemical or carbon dioxide.

### **5.2 Specific hazards arising from the chemical**

Carbon oxides

### **5.3 Special protective actions for fire-fighters**

Wear self-contained breathing apparatus for firefighting if necessary.

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## **SECTION 6: Accidental release measures**

### **6.1 Personal precautions, protective equipment and emergency procedures**

Use personal protective equipment. Avoid breathing vapours, mist or gas. Ensure adequate ventilation. Remove all sources of ignition.

### **6.3 Methods and materials for containment and cleaning up**

Soak up with inert absorbent material (e.g. sand, silica gel). Keep in suitable, closed containers for disposal.

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## **SECTION 7: Handling and storage**

### **7.1 Precautions for safe handling**

Avoid contact with skin and eyes. Avoid formation of dust and aerosols. Provide appropriate exhaust ventilation at places where dust is formed. Keep away from sources of ignition - No smoking. For precautions see section 2.2.

### **7.2 Conditions for safe storage, including any incompatibilities**

Keep container tightly closed in a dry and well-ventilated place. Light sensitive.

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## **SECTION 8: Exposure controls/personal protection**

### **8.2 Appropriate engineering controls**

Handle in accordance with good industrial hygiene and safety practice. Wash hands before breaks and at the end of workday.

### **8.3 Individual protection measures, such as personal protective equipment (PPE)**

#### **Eye/face protection**

Use equipment for eye protection tested and approved under appropriate government standards such as NIOSH (US) or EN 166(EU).

#### **Skin protection**

Handle with 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.

#### **Respiratory protection**

Respiratory protection is not required. Where protection from nuisance levels of dusts are desired, use type N95 (US) or type P1 (EN 143) dust masks. Use respirators and components tested and approved under appropriate government standards such as NIOSH (US) or CEN (EU).

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## **SECTION 9: Physical and chemical properties**

Appearance (physical state, color, etc.)

Odor

Odor threshold

pH

Melting point/freezing point

Initial boiling point and boiling range

Flash point

Colorless Liquid

No information available

No information available

No information available

No information available

No information available

No information available

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Evaporation rate	No information available
Flammability (solid, gas)	No information available
Upper/lower flammability or explosive limits	No information available
Vapor pressure	No information available
Vapor density	No information available
Relative density	No information available
Solubility(ies)	No information available
Partition coefficient: n-octanol/water	No information available
Auto-ignition temperature	No information available
Decomposition temperature	No information available
Viscosity	No information available

### Additional properties

Physical state	Liquid
Color	Colorless

### Particle characteristics

Not Applicable

### Supplemental information regarding physical hazard classes

No information available

### Further safety characteristics (supplemental)

No information available

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## SECTION 10: Stability and reactivity

### 10.1 Reactivity

None under normal use conditions.

### 10.2 Chemical stability

Stable under recommended storage conditions.

### 10.3 Possibility of hazardous reactions

None under normal use conditions.

### 10.4 Conditions to avoid

None under normal use conditions.

### 10.5 Incompatible materials

Strong oxidizing agents

### 10.6 Hazardous decomposition products

Other decomposition products - No data available In the event of fire: see section 5

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## SECTION 11: Toxicological information

### Information on toxicological effects

#### Acute toxicity

No information available



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## DeNovix dsDNA Broad Range 1

### **Skin corrosion/irritation**

No information available

### **Serious eye damage/irritation**

No information available

### **Respiratory or skin sensitization**

No information available

### **Germ cell mutagenicity**

No information available

### **Carcinogenicity**

IARC: No component of this product present at levels greater than or equal to 0.1% is identified as a carcinogen or potential carcinogen by IARC.

ACGIH: No component of this product present at levels greater than or equal to 0.1% is identified as a carcinogen or potential carcinogen by ACGIH.

NTP: No component of this product present at levels greater than or equal to 0.1% is identified as a known or anticipated carcinogen by NTP.

OSHA: No component of this product present at levels greater than or equal to 0.1% is identified as a carcinogen or potential carcinogen by OSHA.

### **Reproductive toxicity**

No information available

### **Specific target organ toxicity (STOT) - single exposure**

No information available

### **Specific target organ toxicity (STOT) - repeated exposure**

No information available

### **Aspiration hazard**

No information available

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## **SECTION 12: Ecological information**

### **Toxicity**

No information available

### **Persistence and degradability**

No information available

### **Bioaccumulative potential**

No information available

### **Mobility in soil**

No information available

### **Results of PBT and vPvB assessment**

No information available

### **Endocrine disrupting properties**

No information available

# Safety Data Sheet

## DeNovix dsDNA Broad Range 1

### Other adverse effects

An environmental hazard cannot be excluded in the event of unprofessional handling or disposal.

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## SECTION 13: Disposal considerations

### Disposal methods

#### Product disposal

Products covered by this SDS, in their original form, when disposed as waste, are considered non hazardous waste according to Federal RCRA regulations (40 CFR 261). Disposal should be in accordance with local, state and federal regulations. Dispose of empty container in the trash or recycle where facilities exist.

#### Packaging disposal

Dispose of as unused product.

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## SECTION 14: Transport information

### DOT (US)

Not dangerous goods

### IMDG

Not dangerous goods

### IATA

Not dangerous goods

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## SECTION 15: Regulatory information

### California Prop. 65 Components

This product does not contain any chemicals known to State of California to cause cancer, birth defects, or any other reproductive harm.

### Massachusetts Right To Know Components

No components are subject to the Massachusetts Right to Know Act.

### New Jersey Right To Know Components

Water

CAS-No. 7732-18-5

### Pennsylvania Right To Know Components

Water

CAS-No. 7732-18-5

### SARA 302 Components

No chemicals in this material are subject to the reporting requirements of SARA Title III, Section 302.

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### SARA 311/312 Hazards

No SARA Hazards

### SARA 313 Components

This material does not contain any chemical components with known CAS numbers that exceed the threshold (De Minimis) reporting levels established by SARA Title III, Section 313.

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## SECTION 16: Other information

### 16.2 Preparation information

#### DISCLAIMER:

The above information is believed to be correct but does not purport to be all inclusive and shall be used only as a guide. The information in this document is based on the present state of our knowledge and is applicable to the product with regard to appropriate safety precautions. It does not represent any guarantee of the properties of the product. DeNovix Inc. shall not be held liable for any damage resulting from handling or from contact with the above product.