



## **MATERIAL SAFETY DATA SHEET (MSDS)**

**NEXTflex™ Rapid XP V2 DNA-Seq Kit**

(Catalog #: NOVA-5149-21,22,23)

Date Updated: 11/27/2023

**SECTION 1 – PRODUCT AND COMPANY INFORMATION**

**PRODUCT NAME** NEXTflex™ Rapid XP v2 DNA-Seq kit  
**PRODUCT CAT#** NOVA-5149-XX

**COMPANY** Revvity Corporation  
**STREETADDRESS** 2650 Crescent Drive, Suite 200  
**CITY, STATE, COUNTRY** Lafayette, CO 80026

**SECTION 2 – COMPOSITION/INFORMATION ON INGREDIENTS**

The hazards identified with this kit are those associated with substances found within the following components.

**2.1 Classification of the substance or mixture**

COMPONENT NAME	CHEMICAL
NEXTflex™ Fragmentation Buffer V2	N/A
NEXTflex™ Fragmentation Enzyme V2	N/A
NEXTflex™ Ligation Master Mix V2	N/A
NEXTflex™ PCR Master Mix V2	N/A
NEXTflex™ Primer Mix V2	N/A
Nuclease-Free water	N/A
Elution Buffer	N/A
NEXTflex Cleanup Beads XP	This component contains sodium azide in concentrations that are considered below the hazardous level but with repeated contact with heavy metal pipes (such as lead and copper) may result in the build up of shock sensitive compounds. Sodium azide can form explosive compounds with heavy metals.
NEXTflex™ Normalization Beads V2	This component contains sodium azide in concentrations that are considered below the hazardous level but with repeated contact with heavy metal pipes (such as lead and copper) may result in the build up of shock sensitive compounds. Sodium azide can form explosive compounds with heavy metals

**2.2 Label Elements:** According to EC 1272/2008 (CLP/GHS), US-OSHA and UN GHS – Not classified as hazardous per EC 1272/2008 (CLP/GHS)

**SECTION 3 – Composition and information on ingredients**

**3.2 This product contains the following substances that present a hazard within the meaning of the relevant State and Federal Hazardous Substances regulations**

**NEXTflex™ Cleanup Beads**

Ingredient/Chemical Designations	Weight %	GHS Classification
Sodium Azide	<0.1	Acute Tox. Oral 2 Aquatic Acute 1 Aquatic Longterm 1 H300, H400, H410 (2,8)

**2 – Substance with Community workplace exposure limits**  
**8 – Present at concentration below the cut-off limits.**

## **SECTION 4 – FIRST AID MEASURES**

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### **Oral Exposure**

If swallowed, wash out mouth with water. If irritation or discomfort occurs, call a physician.

### **Dermal Exposure**

In case of skin contact, flush with copious amounts of soap and water for at least 15 minutes. If pain or irritation occur, obtain medical attention

### **Eye Exposure**

In case of contact with eyes, flush with copious amounts of water for at least 15 minutes. Call a physician if irritation occurs.

### **Inhalation**

In the case of inhalation, move exposed individual to fresh air. If individual is not breathing, begin ratification respiration immediately and obtain medical attention.

## **SECTION 5 – FIRE FIGHTING MEASURES**

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### **5.1 Extinguishing media**

Carbon Dioxide, dry chemical powder or appropriate foam.

### **5.2 Special hazards arising from the substance or mixture**

No special hazards determined.

### **5.3 Advice for fire-fighters**

Self-contained breathing apparatus is recommended for firefighters in all chemical fire situations.

### **5.4 Additional information**

No further relevant information available.

## **SECTION 6 – ACCIDENTAL RELEASE MEASURES**

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

Use good laboratory procedures; avoid eye and skin contact

### **6.2 Environmental Precautions**

Contain spill to prevent migration. Do not allow the undiluted product to enter sewers/surface or ground water. Dispose of contents/container in accordance with local regulations.

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

Absorb spilled material with an appropriate inert, non-flammable absorbent and dispose according to local regulations

## **SECTION 7 – HANDLING AND STORAGE**

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

Avoid contact of the reagent with eyes and skin.

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

To maintain product quality, store according to the instructions on the product labeling. Store away from strong acids, strong bases, strong oxidizers and incompatible materials.

### 7.3 Specific End Uses

No further relevant information available

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## SECTION 8 – EXPOSURE CONTROLS and PERSONAL PROTECTION

### 8.1 Control parameters

#### Exposure Limits

**US OSHA** None established

### 8.2 Exposure controls

**Engineering controls** No special engineering controls are required. Use with good general ventilation.

**Eye Protection** Safety glasses or chemical goggles should be worn to prevent eye contact.

**Skin Protection** Impervious gloves, such as Nitrile or equivalent, should be worn to prevent skin contact

#### Respiratory Protection

Under normal conditions, the use of this product should not require respiratory protection.

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## SECTION 9 – PHYSICAL/CHEMICAL PROPERTIES

### 9.1 Information on basic physical and chemical properties

Physical state: Liquid Color: Brown Transparency: Clear with brown precipitate Odor: Odorless Specific Gravity: 1.127 Solubility: Water: Miscible, organic: not determined.

<b>pH</b>	8.0-8.4
<b>BP/BP Range</b>	N/A
<b>MP/MP Range</b>	N/A
<b>Freezing Point</b>	N/A
<b>Vapor Pressure</b>	N/A
<b>Vapor Density</b>	N/A
<b>Saturated Vapor Conc.</b>	N/A
<b>SG/Density</b>	N/A
<b>Bulk Density</b>	N/A
<b>Odor Threshold</b>	N/A
<b>Volatile%</b>	N/A
<b>VOC Content</b>	N/A
<b>Water Content</b>	N/A
<b>Solvent Content</b>	N/A
<b>Evaporation Rate</b>	N/A
<b>Viscosity</b>	N/A
<b>Surface Tension</b>	N/A
<b>Partition Coefficient</b>	N/A
<b>Decomposition Temp.</b>	N/A
<b>Flash Point</b>	N/A
<b>Explosion Limits</b>	N/A
<b>Flammability</b>	N/A

<b>Autoignition Temp</b>	N/A
<b>Refractive Index</b>	N/A
<b>Optical Rotation</b>	N/A
<b>Miscellaneous Data</b>	N/A
<b>Solubility</b>	N/A

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## **SECTION 10 – STABILITY AND REACTIVITY**

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### **10.1 Reactivity**

No further relevant information available

### **10.2 Chemical Stability**

The product is stable in accordance with recommended storage conditions.

### **10.3 Possibility of hazardous reactions**

This production contains concentrations of sodium azide below the hazardous level which with repeated contact with lead and copper commonly found in plumbing drains may result in the build up of shock sensitive compounds. Sodium azide forms explosive compounds with heavy metals.

### **10.4 Conditions to Avoid**

Avoid contact with incompatible materials. Avoid exposure to heat and direct sunlight.

### **10.5 Metals and metallic compounds**

**10.6** No decomposition products posing significant hazards would be expected from this product.

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## **SECTION 11 – TOXICOLOGICAL INFORMATION**

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### **11.1 Information on toxicological effects**

#### **Toxicity data for hazardous ingredients**

Sodium Azide – Oral LD50 Rat 27 mg/kg; Dermal LD50 Rat 50 mg/kg; Dermal LD50 Rabbit 20 mg/kg

#### **Primary Routes of Exposure**

Eye Contact, ingestion, inhalation, and skin contact.

#### **Skin Corrosion/Irritation**

No Data available

**Serious eye damage/eye irritation:** No Data available

#### **Respiratory/skin sensitization**

No data available.

#### **Carcinogenicity**

No ingredients in this product are listed as carcinogens by ACGIH, IARC, NTP, OSHA or 1272/2008 EC regulation.

#### **Germ Cell mutagenicity**

No data available

#### **Reproductive Toxicity**

No data available

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## **SECTION 12 – ECOLOGICAL INFORMATION**

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No data available.

## SECTION 13 – DISPOSAL CONSIDERATIONS

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### Waste treatment methods

#### Product Waste Disposal

Chemical residues and remains should be routinely handled as special waste. This must be disposed of in compliance with anti-pollution and other laws of the country concerned. To ensure compliance we recommend that you contact the relevant (local) authorities and/or an approved waste-disposal company for information.

Sodium azide may form explosive compounds in metal drain lines. To avoid the possible build-up of azide compounds, flush wastepipes with water after the disposal of indiluted reagent. Sodium azide disposal must be in accordance with appropriate local regulations.

## SECTION 14 – TRANSPORT INFORMATION

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### DOT

**Proper Shipping Name:** None

**Non-Hazardous for Transport:** This substance is considered to be non-hazardous for transport.

### IATA

**Non-Hazardous for Air Transport:** Non-hazardous for air transport.

## SECTION 15 – REGULATORY INFORMATION

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### UNITED STATES REGULATORY INFORMATION

**SARA LISTED:** Sodium Azide is subject to reporting requirements of Section 313, Title III of Sara. 1.0% de minimis concentration

### CANADA REGULATORY INFORMATION

**WHMIS Classification:** This product has been classified in accordance with the hazard criteria of the CPR, and the MSDS contains all the information required by the CPR.

**DSL:** No

**NDSL:** No

## SECTION 16 – OTHER INFORMATION

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