MATERIAL SAFETY DATA SHEET (MSDS)

NEXTflex™ Small RNA-Seq Kit V4

(Catalog #: NOVA-5132-31, NOVA-5132-31C: NOVA-5132-32, NOVA-5132-41, NOVA-5132-42, NOVA-5132-43, NOVA-5132-44

Date Updated: 11/27/2023.

SECTION 1 – PRODUCT AND COMPANY INFORMATION

PRODUCT NAME NEXTflex™ Small RNA-Seq Kit V4
PRODUCT CAT# NOVA-5132-XX

COMPANY Revvity Health Sciences, Inc
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™ 3' Adenylated Adapter v4	N/A
NEXTflex™ 3' Ligation Buffer v4	N/A
NEXTflex™ 3' Ligation Enzyme Mix	N/A
NEXTflex™ Adapter Depletion Solution	N/A
NEXTflex™ tRNA/YRNA Blockers v4	N/A
NEXTflex™ Adapter Inactivation Mix v4	N/A
NEXTflex™ 5' Adapter v4	N/A
NEXTflex™ 5' Ligation Buffer v4	N/A
NEXTflex™ RT Enzyme Mix	N/A
NEXTflex™ RT Buffer v4	N/A
NEXTflex™ RT Primer v4	N/A
NEXTflex™ UDI Barcoded Primer Mix	N/A
NEXTflex™ Small RNA PCR Master Mix v4	N/A
Resuspension Buffer	N/A
Nuclease-free Water	N/A
microRNA Control	N/A
NEXTflex Cleanup Beads	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

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

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

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

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

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.

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.

pH	8.0-8.4
BP/BP Range	N/A
MP/MP Range	N/A
Freezing Point	N/A
Vapor Pressure	N/A
Vapor Density	N/A
Saturated Vapor Conc.	N/A
SG/Density	N/A
Bulk Density	N/A

Odor Threshold	N/A
Volatile%	N/A
VOC Content	N/A
Water Content	N/A
Solvent Content	N/A
Evaporation Rate	N/A
Viscosity	N/A
Surface Tension	N/A
Partition Coefficient	N/A
Decomposition Temp.	N/A
Flash Point	N/A
Explosion Limits	N/A
Flammability	N/A
Autoignition Temp	N/A
Refractive Index	N/A
Optical Rotation	N/A
Miscellaneous Data	N/A
Solubility	N/A

SECTION 10 – STABILITY AND REACTIVITY

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 direction sunlight.

10.5 Metals and metallic compounds

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

SECTION 11 – TOXICOLOGICAL INFORMATION

11.1 Information on toxicological effects

Toxicity data for hazardous ingredients

Sodium Azide – Oral LD50 Rat 27 mg/kt; 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

SECTION 12 – ECOLOGICAL INFORMATION

No data available.

SECTION 13 – DISPOSAL CONSIDERATIONS

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

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

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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