

**Part Number: DR094**

## **Veratox for Neomycin**

This is a diagnostic test kit that is comprised of several individual components, each of which may have its own Safety Data Sheet. If a component does not have a Safety Data Sheet included here the item falls under Hazard Communication [1910.1200(b)(6)], *Articles*, and does not require a Safety Data Sheet.

For any questions please contact Neogen Corporation.

The following Safety Data Sheets are included in this file:

Veratox for Neomycin

Stop Buffer

## **SECTION 1 – IDENTIFICATION OF PRODUCT AND COMPANY INFORMATION**

### **1.1 Product identifier**

Product name: : Veratox for Neomycin

Catalog number : DR094

### **1.2 Relevant identified uses of the substance or mixture and uses advised against**

No further relevant information available.

**Application of the product / the preparation** : *In vitro*

### **1.3 Details of the supplier of the safety data sheet**

**Company** : Neogen Corporation  
620 Leshar Place  
Lansing, MI 48912

**Emergency Telephone** : 1-517-372-9200

**Technical Telephone** : 1-800-234-5333

**Fax** : 1-517-372-0108

**Email address** : [foodsafety@neogen.com](mailto:foodsafety@neogen.com)

**Website** : [www.neogen.com](http://www.neogen.com)

### **1.4 Emergency telephone number:**

Emergency phone number: For incidents with hazardous and/or dangerous materials such as accidents, spills, leaks, fire or exposure call CHEMTREC: USA/Canada: 1-800-424-9300, Customer number (CNN) 669057.

## **SECTION 2: HAZARDS IDENTIFICATION**

### **2.1 Classification of the substance or mixture**

#### **GHS-US classification in accordance with 29 CFR 1910 (OSHA HCS)**

Acute Toxicity (Category 4, Oral), H302  
Eye Damage (Category 1), H318  
Metal Corrosion (Category 1), H290  
Skin Corrosion (Category 1B), H314  
Specific Target Organ Toxicity, Single Exposure (STOT, SE) (Category 3), H335  
Aquatic Acute toxicity (Category 3), H402

## **SECTION 2: HAZARDS IDENTIFICATION (continued)**

### **2.2 GHS Label Elements, including precautionary statements**

Pictogram



Signal word (GHS-US)

Danger

Hazard statements (GHS-US):

H314

Causes severe skin burns and eye damage

H402

Harmful to Aquatic Life

Precautionary statements (GHS-US):

P260

Do not breathe mist, vapors, spray

P264

Wash exposed skin thoroughly after handling

P280

Wear protective gloves, eye protection, protective clothing, face protection

P301+P330+P331

If swallowed: rinse mouth. Do not induce vomiting

P303+P361+P353

If on skin (or hair): remove/take off immediately all contaminated clothing. Rinse skin with water/shower

P304+P340

If inhaled: remove person to fresh air and keep comfortable for breathing

P305+P351+P338

If in eyes: rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.

P310

Immediately call a poison center or doctor

P363

Wash contaminated clothing before reuse

P405

Store locked up

P501

Dispose of contents/container to comply with local, state and federal regulations.

### **2.3 Other hazards**

Hazards not contributing to the classification: None.

### **2.4 Unknown acute toxicity (GHS US)**

No data available.

## SECTION 3 – COMPOSITION/INFORMATION ON INGREDIENTS

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Component Name	CAS#	SARA 313
Neomycin-coated Plate	NONE	NO
Neomycin Standards	NONE	NO
Neomycin Antibody #1(powder)	NONE	NO
100X HRP-Conjugated Antibody #2	NONE	NO
20X Wash Solution	NONE	NO
Stop Buffer	7647-01-0	NO
TMB Substrate	NONE	NO
10X Sample Extraction Buffer	NONE	NO
10X Neomycin Extraction Buffer I	NONE	NO
2X Neomycin Extraction Buffer II	NONE	NO

Refer to component MSDS for additional information

## SECTION 4 – FIRST AID MEASURES

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### Oral Exposure

If swallowed, wash out mouth with water. Call a physician.

### Dermal Exposure

In case of skin contact, flush with copious amounts of water for at least 5 minutes.

### Eye Exposure

In case of contact with eyes, flush with copious amounts of water for at least 10 minutes. Call a physician.

Refer to component MSDS for additional information

## SECTION 5 – FIRE FIGHTING MEASURES

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**Flash Point** N/A

**Auto Ignition** N/A

**Flammability** N/A

**Extinguishing media** Suitable media: Water Spray, Carbon Dioxide, Dry Chemical Powder, or Appropriate Foam

Refer to component MSDS for additional information

## SECTION 6 – ACCIDENTAL RELEASE MEASURES

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### Methods for Cleaning Up

Wash spill site with soap solution. Flush spill area with copious amounts of water. Place in appropriate container. Avoid raising dust.

Refer to component MSDS for additional information

## SECTION 7 – HANDLING AND STORAGE

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### Handling

The Stop Buffer contains 0.75 N HCl. When handling these reagents use particular care to avoid contact with eyes and skin and to avoid inhalation of vapor or mist. No other components pose a significant risk.

### Storage

Store at 2-8°C. Keep container tightly closed in a dry and well-ventilated place. Containers which are opened must be carefully resealed and kept upright to prevent leakage.

Refer to component MSDS for additional information

## SECTION 8 – EXPOSURE CONTROLS/PPE

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### Personal Protective Equipment

Wear chemical-resistant gloves, safety goggles, other protective clothing.

Refer to component MSDS for additional information

## SECTION 9 – PHYSICAL/CHEMICAL PROPERTIES

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pH	N/A
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
Auto ignition Temp	N/A
Refractive Index	N/A
Optical Rotation	N/A
Miscellaneous Data	N/A
Solubility	N/A

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

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**Stability** : Stable  
**Hazardous Exothermic Reactions** : Will not occur.

Refer to component MSDS for additional information

## **SECTION 11 – TOXICOLOGICAL INFORMATION**

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Refer to component MSDS

## **SECTION 12 – ECOLOGICAL INFORMATION**

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Refer to component MSDS

## **SECTION 13 – DISPOSAL CONSIDERATIONS**

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### **Appropriate Method of Disposal of Substance or Preparation**

Small amounts may be washed down the drain with excess water. Observe all federal, state, and local environmental regulations.

Refer to component MSDS for additional information

## **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:** no

### **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

Refer to component MSDS for additional information

## SECTION 16 – OTHER INFORMATION

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Kit Components	Part number	Safety Information
Stop Solution	10002032	Acute Toxicity: 4 (Oral), H302 Skin Corr. :1B, H314 Eye Dam: 1, H318 Organ Toxicity, Single Exposure: 3, H335
Neomycin-Coated Plate	N/A	Non-Hazardous
Neomycin Standards	N/A	Non-Hazardous
Neomycin Antibody #1(powder)	N/A	Non-Hazardous
100X HRP-Conjugated Antibody #2	N/A	Non-Hazardous
20X Wash Solution	1000202	Non-Hazardous
TMB Substrate	1000204	Non-Hazardous
10X Sample Extraction Buffer	N/A	Non-Hazardous
10X Neomycin Extraction Buffer I	N/A	Non-Hazardous
2X Neomycin Extraction Buffer II	N/A	Non-Hazardous

### DISCLAIMER

For Research use only. Not for Drug, Clinical Diagnostics or other uses.

Date of Preparation: April 2016  
Revision: Rev.0  
Replaces: New issue

This document is believed to be correct, but does not purport to be all inclusive and shall be used only as a guide. Neogen Corporation shall not be held liable for any damage resulting from handling or from contact with the above product. These suggestions should not be confused with state, municipal or insurance requirements, and constitute NO WARRANTY.

## SECTION 1: IDENTIFICATION OF PRODUCT AND COMPANY INFORMATION

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### 1.1 Product identifier

Product name : Stop Buffer

Part number : N/A

### 1.2 Relevant identified uses of the substance or mixture

For use with Veratox kits

**Application of the substance / the preparation** : *In vitro*

### 1.3 Details of the supplier of the safety data sheet

**Company** : Neogen Corporation  
620 Leshar Place  
Lansing, MI 48912

**Emergency Telephone** : 1-517-372-9200

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## SECTION 2: HAZARDS IDENTIFICATION

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### 2.1 Classification of the substance or mixture

#### GHS-US classification in accordance with 29 CFR 1910 (OSHA HCS)

Met. Corr.: (Category 1), H290

Acute Toxicity (Oral): 4 (H302)

Skin Corr.: 1B (H314)

Eye Dam.: 1 (H318)

Specific Target Organ Toxicity, Single Exposure (STOT SE): 3 (H335):

Respiratory tract irritation.

See section 2.2 for full H-statements



## SECTION 2: HAZARDS IDENTIFICATION (continued)

### 2.2 GHS Label Elements, including precautionary statements

Pictogram



Signal word (GHS-US)	Warning
Hazard statements (GHS-US): H314 + H318	Causes severe skin burns and serious eye damage
H290	May be corrosive to metals
H335	May cause respiratory irritation
H402	Harmful to aquatic life
Precautionary statements (GHS-US):	
P234	Keep only in original container
P260	Do not breathe mist, vapors, spray
P264	Wash exposed skin thoroughly after handling
P280	Wear protective gloves, eye protection, protective clothing, face protection
P301+P330+P331	If swallowed: rinse mouth. Do not induce vomiting
P303+P361+P353	If on skin (or hair): rinse skin with water/shower
P304+P340	If inhaled: remove person to fresh air and keep comfortable for breathing
P305+P351+P338	If in eyes: rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.
P310	Immediately call a poison center or doctor
P363	Wash contaminated clothing before reuse
P390	Absorb spillage to prevent material damage
P406	Store in corrosive resistant steel container with resistant liner
P501	Dispose of contents/container to comply with local, state and federal regulations.

### 2.3 Other hazards

Hazards not contributing to the classification: None.

### 2.4 Unknown acute toxicity (GHS US)

No data available.

## **SECTION 3: COMPOSITION/INFORMATION ON INGREDIENTS**

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### **Chemical characterization:**

<b>CAS#</b>	<b>Chemical Name</b>	<b>Percent (w/w)</b>	<b>GHS-US classification</b>
7732-18-5	Water	97.26	Not classified
7647-01-0		2.73	Acute Toxicity (Oral): 4 (H302) Skin Corr.: 1B (H314) Eye Dam.: 1 (H318) STOT SE: 3 (H335)

## **SECTION 4: FIRST AID MEASURES**

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### **4.1. Description of first aid measures**

**General:** Never give anything by mouth to an unconscious person. If you feel unwell, seek medical advice (show the label where possible).

**If inhalation:** Remove to fresh air and keep at rest in a position comfortable for breathing. If not breathing, give artificial respiration. Immediately call a poison center or doctor/physician.

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

**In case of eye contact:** Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do and continue rinsing. Consult a physician.

**If swallowed:** Rinse mouth with water. Do not induce vomiting. Consult a physician.

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

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

### **4.3 Indication of any immediate medical attention and special treatment needed**

No data available

## **SECTION 5: FIREFIGHTING MEASURES**

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### **5.1 Extinguishing media**

**Suitable extinguishing media:** Use water spray, alcohol-resistant foam, dry chemical or carbon dioxide.

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

Hydrogen chloride gas

### **5.3. Advice for firefighters**

Wear self-contained breathing apparatus for firefighting if necessary

## **SECTION 6: ACCIDENTAL RELEASE MEASURES**

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

Wear respiratory protection. Avoid breathing vapors, mist or gas.

For personal protection see section 8.

### **6.2 Environmental precautions**

Do not let product enter drains

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

**Methods for cleaning up:** Soak up spills with inert solids, such as clay or diatomaceous earth as soon as possible. Collect spillage. Store away from other materials.

### **6.4. Reference to other sections**

See section 8: Exposure controls and personal protection and section 13: disposal.

## **SECTION 7: HANDLING AND STORAGE**

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

Avoid inhalation of vapor and mist. 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. Container which are opened must be carefully resealed and kept upright to prevent leakage.

### **7.3 Specific end use(s)**

Apart from the uses mentioned in section 1.2 no other specific uses are stipulated

## **SECTION 8: EXPOSURE CONTROLS/PERSONAL PROTECTION**

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### **8.1 Control parameters**

OSHA Occupational Exposure limits: 5 ppm or 7mg/m<sup>3</sup>

### **8.2. Exposure controls**

#### **Appropriate engineering controls**

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

#### **Eye Protection**

Eye glasses with side protection.

#### **Skin Protection**

Use clothing that provides comprehensive protection to the skin, e.g. cotton, rubber, PVC or viton.

#### **Hand Protection**

Use protective Nitrile gloves that provides comprehensive protection. Adhere to manufacturer listed break through times.

## **SECTION 8: EXPOSURE CONTROLS/PERSONAL PROTECTION** **(continued)**

**Respiratory protection**  
Not needed for normal use.

**Control of environmental exposure**  
Do not let product enter drains

## **SECTION 9: PHYSICAL AND CHEMICAL PROPERTIES**

### **9.1 Information on basic physical and chemical properties**

<b>Physical state</b>	Liquid
<b>Molecular mass (HCl)</b>	36.46 g/mol
<b>Color</b>	Colorless
<b>Odor</b>	Odorless
<b>Odor threshold</b>	No data available
<b>pH</b>	0
<b>Relative evaporation rate (butylacetate=1):</b>	No data available
<b>Melting point</b>	No data available
<b>Freezing point</b>	No data available
<b>Boiling point</b>	110°C (230°F)
<b>Flash point</b>	Not applicable
<b>Self-ignition temperature</b>	Does not ignited
<b>Decomposition temperature</b>	No data available
<b>Flammability (solid, gas)</b>	No data available
<b>Vapor pressure</b>	23 hPa (17mmHg) at 20°C (68°F)
<b>Relative vapor density at 20 °C</b>	No data available
<b>Relative density</b>	No data available
<b>Solubility</b>	Completely miscible. Soluble in water. Soluble in ethanol. Soluble in methanol.
<b>Log Pow</b>	No data available
<b>Log Kow</b>	No data available
<b>Viscosity, kinematic</b>	No data available
<b>Viscosity, dynamic</b>	No data available
<b>Explosive properties</b>	Not explosive
<b>Oxidizing properties</b>	None
<b>Explosive limits</b>	No data available

**9.2 Other safety information**  
No additional information available

## **SECTION 10: STABILITY AND REACTIVITY**

**10.1 Reactivity**  
Thermal decomposition generates Corrosive vapors.

## **SECTION 10: STABILITY AND REACTIVITY (continued)**

### **10.2 Chemical stability**

Stable under recommended storage conditions.

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

Reacts violently with some bases. Releases of heat.

### **10.4 Conditions to avoid**

Direct sunlight; extremely high or low temperatures.

### **10.5 Incompatible materials**

Metals, cyanides and strong bases.

### **10.6 Hazardous decomposition products**

Thermal decomposition generates corrosive vapors. In the event of fire see section 5.

## **SECTION 11: TOXICOLOGICAL INFORMATION**

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

#### **Acute toxicity**

Absorbed through dermal contact, eye contact, inhalation and ingestion.

#### **Toxicity**

May cause damage to the following organs: upper respiratory tract, skin, eyes.  
May affect the liver and sensory organs. May affect behavior, the cardiovascular system, and urinary system

#### **Ingestion**

Causes irritation and possible burns of the respiratory tract and mucous membranes.  
May be harmful if swallowed. Causes irritation with vomiting, nausea, diarrhea, pain.  
May cause burning of the gastrointestinal tract. Can cause nausea and vomiting.

#### **Skin**

Causes severe skin irritation and burns. May be absorbed through skin in harmful amounts.

#### **Eyes**

Causes severe eye irritation and burns. May cause irritation of the conjunctiva or blindness

#### **Carcinogenicity**

IARC: Classified 3. Not classifiable as to its carcinogenicity to humans.

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.

## **SECTION 11: TOXICOLOGICAL INFORMATION (continued)**

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### **Additional Information**

Ingestion of large amounts may cause: local irritation. Avoid release to the environment.

## **SECTION 12: ECOLOGICAL INFORMATION**

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### **12.1 Toxicity**

Not established

### **12.2 Persistence and degradability**

Not established.

### **12.3 Bioaccumulative potential**

Not established

### **12.4 Mobility in soil**

May be harmful to plant growth, blooming and fruit formation.

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

PBT/vPvB assessment not available as chemical safety assessment not required/not conducted

### **12.6 Other adverse effects**

May be harmful to aquatic organisms due to shift of the pH

## **SECTION 13: DISPOSAL CONSIDERATIONS**

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### **13.1. Waste treatment methods**

#### **Waste disposal recommendations**

Dispose in a safe manner in accordance with local/national regulations.  
Avoid release to the environment.

#### **Contaminated packaging**

Dispose of as unused product

## **SECTION 14: TRANSPORT INFORMATION**

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### **DOT (US)/ IMDG/ IATA/ADR/RID**

UN number: 1789 Class 8 Packing group: III



### **DOT Special Provisions (49 CFR 172.102)**

Must be packed with absorbent material in a tightly closed metal non-metal lined receptacle.

## SECTION 15: REGULATION INFORMATION

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### SARA 302 Components

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

### SARA 313 Components

The following components are subject to reporting levels established by SARA Title III, Section 313

	CAS-No.	Revision Date
Hydrochloric acid	7647-01-0	1993-04-24

### SARA 311/312 Hazards

No SARA Hazards

### Massachusetts Right to Know Components

	CAS-No.	Revision Date
Hydrochloric acid	7647-01-0	1993-04-24

### Pennsylvania Right to Know Components

	CAS-No.	Revision Date
Water	7732-18-5	
Hydrochloric acid	7647-01-0	1993-04-24

### New Jersey Right to Know Components

	CAS-No	Revision Date
Water	7732-18-5	
Hydrochloric acid	7647-01-0	1993-04-24

### California Prop. 65 Components

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

## SECTION 16: OTHER INFORMATION

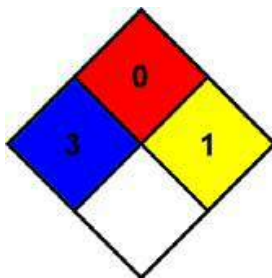
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### Full text of H-statements referred to under sections 2 and 3

Eye Dam.	Serious eye damage
Met. Corr.	Corrosive to metals
Skin Corr.	Skin Corrosion
STOT SE	Specific target organ toxicity – single exposure

## SECTION 16: OTHER INFORMATION (continued)

### NFPA Health Hazard



<b>NFPA health hazard</b>	3: Short exposure could cause serious temporary or residual injury even though prompt medical attention was given
<b>NFPA fire hazard</b>	0: Materials that will not burn
<b>NFPA reactivity</b>	1: Normally stable, but can become unstable at elevated temperatures and pressures or may react with water with some release of energy, but not violently.

### HMIS III Rating

<b>Health</b>	3: Serious Hazard - Major injury likely unless prompt action is taken and medical treatment is given
<b>Flammability</b>	0: Minimal Hazard
<b>Physical</b>	1: Slight Hazard
<b>Personal Protection</b>	C

### DISCLAIMER

For Research use only. Not for Drug, Clinical Diagnostics or other uses.

Date of Preparation: April 2016  
 Revision: Rev.0  
 Replaces: New issue

This document is believed to be correct, but does not purport to be all inclusive and shall be used only as a guide. Neogen Corporation shall not be held liable for any damage resulting from handling or from contact with the above product. These suggestions should not be confused with state, municipal or insurance requirements, and constitute NO WARRANTY.