

# Material Safety Data Sheet



Agilent Technologies

## Stratagene VariFlex N-Terminal SBP Vector Set, Catalog #240162

### 1. Product and company identification

<b>Product name</b>	: Stratagene VariFlex N-Terminal SBP Vector Set, Catalog #240162
<b>Material uses</b>	: Analytical reagent.
	pBEn-SBP <sub>a</sub> vector 0.02 ml
	pBEn-SBP <sub>b</sub> vector 0.02 ml
	pBEn-SBP <sub>c</sub> vector 0.02 ml
<b>Supplier/Manufacturer</b>	: Agilent Technologies, Inc. 1834 State Highway 71 West Cedar Creek, TX 78612
<b>Part No. (Chemical Kit)</b>	: 240162
<b>Part No.</b>	: pBEn-SBP <sub>a</sub> vector 240162-51
	pBEn-SBP <sub>b</sub> vector 240162-52
	pBEn-SBP <sub>c</sub> vector 240162-53
<b>Validation date</b>	: 04/13/2011
<b>In case of emergency</b>	: 1-800-894-1304

### 2. Hazards identification

<b>Physical state</b>	: pBEn-SBP <sub>a</sub> vector pBEn-SBP <sub>b</sub> vector pBEn-SBP <sub>c</sub> vector	Liquid. Liquid. Liquid.
<b>Odor</b>	: pBEn-SBP <sub>a</sub> vector pBEn-SBP <sub>b</sub> vector pBEn-SBP <sub>c</sub> vector	Not available. Not available. Not available.
<b>OSHA/HCS status</b>	: pBEn-SBP <sub>a</sub> vector	While this material is not considered hazardous by the OSHA Hazard Communication Standard (29 CFR 1910.1200), this MSDS contains valuable information critical to the safe handling and proper use of the product. This MSDS should be retained and available for employees and other users of this product.
	pBEn-SBP <sub>b</sub> vector	While this material is not considered hazardous by the OSHA Hazard Communication Standard (29 CFR 1910.1200), this MSDS contains valuable information critical to the safe handling and proper use of the product. This MSDS should be retained and available for employees and other users of this product.
	pBEn-SBP <sub>c</sub> vector	While this material is not considered hazardous by the OSHA Hazard Communication Standard (29 CFR 1910.1200), this MSDS contains valuable information critical to the safe handling and proper use of the product. This MSDS should be retained and available for employees and other users of this product.
<b>Emergency overview</b>		
<b>Signal word</b>	: pBEn-SBP <sub>a</sub> vector pBEn-SBP <sub>b</sub> vector pBEn-SBP <sub>c</sub> vector	No signal word. No signal word. No signal word.

## 2. Hazards identification

<b>Hazard statements</b>	: pBEn-SBPa vector	NOT EXPECTED TO PRODUCE SIGNIFICANT ADVERSE HEALTH EFFECTS WHEN THE RECOMMENDED INSTRUCTIONS FOR USE ARE FOLLOWED.
	pBEn-SBPb vector	NOT EXPECTED TO PRODUCE SIGNIFICANT ADVERSE HEALTH EFFECTS WHEN THE RECOMMENDED INSTRUCTIONS FOR USE ARE FOLLOWED.
	pBEn-SBPc vector	NOT EXPECTED TO PRODUCE SIGNIFICANT ADVERSE HEALTH EFFECTS WHEN THE RECOMMENDED INSTRUCTIONS FOR USE ARE FOLLOWED.
<b>Precautions</b>	: pBEn-SBPa vector	No known significant effects or critical hazards. Avoid prolonged contact with eyes, skin and clothing.
	pBEn-SBPb vector	No known significant effects or critical hazards. Avoid prolonged contact with eyes, skin and clothing.
	pBEn-SBPc vector	No known significant effects or critical hazards. Avoid prolonged contact with eyes, skin and clothing.
<b>Routes of entry</b>	: pBEn-SBPa vector	Not available.
	pBEn-SBPb vector	Not available.
	pBEn-SBPc vector	Not available.
<b><u>Potential acute health effects</u></b>		
<b>Inhalation</b>	: pBEn-SBPa vector	No known significant effects or critical hazards.
	pBEn-SBPb vector	No known significant effects or critical hazards.
	pBEn-SBPc vector	No known significant effects or critical hazards.
<b>Ingestion</b>	: pBEn-SBPa vector	No known significant effects or critical hazards.
	pBEn-SBPb vector	No known significant effects or critical hazards.
	pBEn-SBPc vector	No known significant effects or critical hazards.
<b>Skin</b>	: pBEn-SBPa vector	No known significant effects or critical hazards.
	pBEn-SBPb vector	No known significant effects or critical hazards.
	pBEn-SBPc vector	No known significant effects or critical hazards.
<b>Eyes</b>	: pBEn-SBPa vector	No known significant effects or critical hazards.
	pBEn-SBPb vector	No known significant effects or critical hazards.
	pBEn-SBPc vector	No known significant effects or critical hazards.
<b><u>Potential chronic health effects</u></b>		
<b>Chronic effects</b>	: pBEn-SBPa vector	No known significant effects or critical hazards.
	pBEn-SBPb vector	No known significant effects or critical hazards.
	pBEn-SBPc vector	No known significant effects or critical hazards.
<b>Carcinogenicity</b>	: pBEn-SBPa vector	No known significant effects or critical hazards.
	pBEn-SBPb vector	No known significant effects or critical hazards.
	pBEn-SBPc vector	No known significant effects or critical hazards.
<b>Mutagenicity</b>	: pBEn-SBPa vector	No known significant effects or critical hazards.
	pBEn-SBPb vector	No known significant effects or critical hazards.
	pBEn-SBPc vector	No known significant effects or critical hazards.
<b>Teratogenicity</b>	: pBEn-SBPa vector	No known significant effects or critical hazards.
	pBEn-SBPb vector	No known significant effects or critical hazards.
	pBEn-SBPc vector	No known significant effects or critical hazards.
<b>Developmental effects</b>	: pBEn-SBPa vector	No known significant effects or critical hazards.
	pBEn-SBPb vector	No known significant effects or critical hazards.
	pBEn-SBPc vector	No known significant effects or critical hazards.
<b>Fertility effects</b>	: pBEn-SBPa vector	No known significant effects or critical hazards.
	pBEn-SBPb vector	No known significant effects or critical hazards.
	pBEn-SBPc vector	No known significant effects or critical hazards.

## 2. Hazards identification

<b>Target organs</b>	: pBEn-SBPa vector	Not available.
	pBEn-SBPb vector	Not available.
	pBEn-SBPc vector	Not available.

### Over-exposure signs/symptoms

<b>Inhalation</b>	: pBEn-SBPa vector	No specific data.
	pBEn-SBPb vector	No specific data.
	pBEn-SBPc vector	No specific data.
<b>Ingestion</b>	: pBEn-SBPa vector	No specific data.
	pBEn-SBPb vector	No specific data.
	pBEn-SBPc vector	No specific data.
<b>Skin</b>	: pBEn-SBPa vector	No specific data.
	pBEn-SBPb vector	No specific data.
	pBEn-SBPc vector	No specific data.
<b>Eyes</b>	: pBEn-SBPa vector	No specific data.
	pBEn-SBPb vector	No specific data.
	pBEn-SBPc vector	No specific data.
<b>Medical conditions aggravated by over-exposure</b>	: pBEn-SBPa vector	None known.
	pBEn-SBPb vector	None known.
	pBEn-SBPc vector	None known.

See toxicological information (Section 11)

## 3. Composition/information on ingredients

Name	CAS number	%
No hazardous ingredient		

There are no ingredients present which, within the current knowledge of the supplier and in the concentrations applicable, are classified as hazardous to health or the environment and hence require reporting in this section.

## 4. First aid measures

<b>Eye contact</b>	: pBEn-SBPa vector	Check for and remove any contact lenses. Immediately flush eyes with plenty of water for at least 15 minutes, occasionally lifting the upper and lower eyelids. Get medical attention if symptoms occur.
	pBEn-SBPb vector	Check for and remove any contact lenses. Immediately flush eyes with plenty of water for at least 15 minutes, occasionally lifting the upper and lower eyelids. Get medical attention if symptoms occur.
	pBEn-SBPc vector	Check for and remove any contact lenses. Immediately flush eyes with plenty of water for at least 15 minutes, occasionally lifting the upper and lower eyelids. Get medical attention if symptoms occur.
<b>Skin contact</b>	: pBEn-SBPa vector	In case of contact, immediately flush skin with plenty of water for at least 15 minutes while removing contaminated clothing and shoes. Wash clothing before reuse. Clean shoes thoroughly before reuse. Get medical attention if symptoms occur.
	pBEn-SBPb vector	In case of contact, immediately flush skin with plenty of water for at least 15 minutes while removing contaminated clothing and shoes. Wash clothing before reuse. Clean shoes thoroughly before reuse.

## 4. First aid measures

	pBEn-SBPc vector	before reuse. Get medical attention if symptoms occur. In case of contact, immediately flush skin with plenty of water for at least 15 minutes while removing contaminated clothing and shoes. Wash clothing before reuse. Clean shoes thoroughly before reuse. Get medical attention if symptoms occur.
<b>Inhalation</b>	: pBEn-SBPa vector	Move exposed person to fresh air. If not breathing, if breathing is irregular or if respiratory arrest occurs, provide artificial respiration or oxygen by trained personnel. Loosen tight clothing such as a collar, tie, belt or waistband. Get medical attention if symptoms occur.
	pBEn-SBPb vector	Move exposed person to fresh air. If not breathing, if breathing is irregular or if respiratory arrest occurs, provide artificial respiration or oxygen by trained personnel. Loosen tight clothing such as a collar, tie, belt or waistband. Get medical attention if symptoms occur.
	pBEn-SBPc vector	Move exposed person to fresh air. If not breathing, if breathing is irregular or if respiratory arrest occurs, provide artificial respiration or oxygen by trained personnel. Loosen tight clothing such as a collar, tie, belt or waistband. Get medical attention if symptoms occur.
<b>Ingestion</b>	: pBEn-SBPa vector	Wash out mouth with water. Do not induce vomiting unless directed to do so by medical personnel. Never give anything by mouth to an unconscious person. Get medical attention if symptoms occur.
	pBEn-SBPb vector	Wash out mouth with water. Do not induce vomiting unless directed to do so by medical personnel. Never give anything by mouth to an unconscious person. Get medical attention if symptoms occur.
	pBEn-SBPc vector	Wash out mouth with water. Do not induce vomiting unless directed to do so by medical personnel. Never give anything by mouth to an unconscious person. Get medical attention if symptoms occur.
<b>Protection of first-aiders</b>	: pBEn-SBPa vector	No action shall be taken involving any personal risk or without suitable training.
	pBEn-SBPb vector	No action shall be taken involving any personal risk or without suitable training.
	pBEn-SBPc vector	No action shall be taken involving any personal risk or without suitable training.
<b>Notes to physician</b>	: pBEn-SBPa vector	No specific treatment. Treat symptomatically. Contact poison treatment specialist immediately if large quantities have been ingested or inhaled.
	pBEn-SBPb vector	No specific treatment. Treat symptomatically. Contact poison treatment specialist immediately if large quantities have been ingested or inhaled.
	pBEn-SBPc vector	No specific treatment. Treat symptomatically. Contact poison treatment specialist immediately if large quantities have been ingested or inhaled.

## 5. Fire-fighting measures

<b>Flammability of the product</b>	: pBEn-SBPa vector	In a fire or if heated, a pressure increase will occur and the container may burst.
	pBEn-SBPb vector	In a fire or if heated, a pressure increase will occur and the container may burst.
	pBEn-SBPc vector	In a fire or if heated, a pressure increase will occur and the container may burst.
<b><u>Extinguishing media</u></b>		
<b>Suitable</b>	: pBEn-SBPa vector	Use an extinguishing agent suitable for the surrounding fire.
	pBEn-SBPb vector	Use an extinguishing agent suitable for the surrounding fire.
	pBEn-SBPc vector	Use an extinguishing agent suitable for the surrounding fire.
<b>Not suitable</b>	: pBEn-SBPa vector	None known.
	pBEn-SBPb vector	None known.
	pBEn-SBPc vector	None known.
<b>Special exposure hazards</b>	: pBEn-SBPa vector	No action shall be taken involving any personal risk or without suitable training.
	pBEn-SBPb vector	No action shall be taken involving any personal risk or without suitable training.
	pBEn-SBPc vector	No action shall be taken involving any personal risk or without suitable training.
<b>Hazardous thermal decomposition products</b>	: pBEn-SBPa vector	No specific data.
	pBEn-SBPb vector	No specific data.
	pBEn-SBPc vector	No specific data.
<b>Special protective equipment for fire-fighters</b>	: Fire-fighters should wear appropriate protective equipment and self-contained breathing apparatus (SCBA) with a full face-piece operated in positive pressure mode.	

## 6. Accidental release measures

<b>Personal precautions</b>	: pBEn-SBPa vector	No action shall be taken involving any personal risk or without suitable training. Evacuate surrounding areas. Keep unnecessary and unprotected personnel from entering. Do not touch or walk through spilled material. Put on appropriate personal protective equipment (see Section 8).
	pBEn-SBPb vector	No action shall be taken involving any personal risk or without suitable training. Evacuate surrounding areas. Keep unnecessary and unprotected personnel from entering. Do not touch or walk through spilled material. Put on appropriate personal protective equipment (see Section 8).
	pBEn-SBPc vector	No action shall be taken involving any personal risk or without suitable training. Evacuate surrounding areas. Keep unnecessary and unprotected personnel from entering. Do not touch or walk through spilled material. Put on appropriate personal protective equipment (see Section 8).
<b>Environmental precautions</b>	: pBEn-SBPa vector	Avoid dispersal of spilled material and runoff and contact with soil, waterways, drains and sewers. Inform the relevant authorities if the product has caused environmental pollution (sewers, waterways, soil or air).
	pBEn-SBPb vector	Avoid dispersal of spilled material and runoff and contact with soil, waterways, drains and sewers. Inform the relevant authorities if the product has caused environmental pollution (sewers, waterways, soil or air).

## 6. Accidental release measures

	pBEn-SBPc vector	Avoid dispersal of spilled material and runoff and contact with soil, waterways, drains and sewers. Inform the relevant authorities if the product has caused environmental pollution (sewers, waterways, soil or air).
<b>Methods for cleaning up</b>	: pBEn-SBPa vector	Stop leak if without risk. Move containers from spill area. Dilute with water and mop up if water-soluble. Alternatively, or if water-insoluble, absorb with an inert dry material and place in an appropriate waste disposal container. Dispose of via a licensed waste disposal contractor.
	pBEn-SBPb vector	Stop leak if without risk. Move containers from spill area. Dilute with water and mop up if water-soluble. Alternatively, or if water-insoluble, absorb with an inert dry material and place in an appropriate waste disposal container. Dispose of via a licensed waste disposal contractor.
	pBEn-SBPc vector	Stop leak if without risk. Move containers from spill area. Dilute with water and mop up if water-soluble. Alternatively, or if water-insoluble, absorb with an inert dry material and place in an appropriate waste disposal container. Dispose of via a licensed waste disposal contractor.

## 7. Handling and storage

<b>Handling</b>	: pBEn-SBPa vector	Put on appropriate personal protective equipment (see Section 8). Eating, drinking and smoking should be prohibited in areas where this material is handled, stored and processed. Workers should wash hands and face before eating, drinking and smoking. Remove contaminated clothing and protective equipment before entering eating areas.
	pBEn-SBPb vector	Put on appropriate personal protective equipment (see Section 8). Eating, drinking and smoking should be prohibited in areas where this material is handled, stored and processed. Workers should wash hands and face before eating, drinking and smoking. Remove contaminated clothing and protective equipment before entering eating areas.
	pBEn-SBPc vector	Put on appropriate personal protective equipment (see Section 8). Eating, drinking and smoking should be prohibited in areas where this material is handled, stored and processed. Workers should wash hands and face before eating, drinking and smoking. Remove contaminated clothing and protective equipment before entering eating areas.
<b>Storage</b>	: pBEn-SBPa vector	Store in accordance with local regulations. Store in original container protected from direct sunlight in a dry, cool and well-ventilated area, away from incompatible materials (see section 10) and food and drink. Keep container tightly closed and sealed until ready for use. Containers that have been opened must be carefully resealed and kept upright to prevent leakage. Do not store in unlabeled containers. Use appropriate containment to avoid environmental contamination.
	pBEn-SBPb vector	Store in accordance with local regulations. Store in original container protected from direct sunlight in a dry, cool and well-ventilated area, away from

## 7. Handling and storage

pBEn-SBPc vector

incompatible materials (see section 10) and food and drink. Keep container tightly closed and sealed until ready for use. Containers that have been opened must be carefully resealed and kept upright to prevent leakage. Do not store in unlabeled containers. Use appropriate containment to avoid environmental contamination. Store in accordance with local regulations. Store in original container protected from direct sunlight in a dry, cool and well-ventilated area, away from incompatible materials (see section 10) and food and drink. Keep container tightly closed and sealed until ready for use. Containers that have been opened must be carefully resealed and kept upright to prevent leakage. Do not store in unlabeled containers. Use appropriate containment to avoid environmental contamination.

## 8. Exposure controls/personal protection

### Ingredient

No exposure limit value known.

### **Consult local authorities for acceptable exposure limits.**

- Recommended monitoring procedures** : If this product contains ingredients with exposure limits, personal, workplace atmosphere or biological monitoring may be required to determine the effectiveness of the ventilation or other control measures and/or the necessity to use respiratory protective equipment.
- Engineering measures** : No special ventilation requirements. Good general ventilation should be sufficient to control worker exposure to airborne contaminants. If this product contains ingredients with exposure limits, use process enclosures, local exhaust ventilation or other engineering controls to keep worker exposure below any recommended or statutory limits.
- Hygiene measures** : Wash hands, forearms and face thoroughly after handling chemical products, before eating, smoking and using the lavatory and at the end of the working period. Appropriate techniques should be used to remove potentially contaminated clothing. Wash contaminated clothing before reusing. Ensure that eyewash stations and safety showers are close to the workstation location.
- Personal protection**
- Respiratory** : Use a properly fitted, air-purifying or air-fed respirator complying with an approved standard if a risk assessment indicates this is necessary. Respirator selection must be based on known or anticipated exposure levels, the hazards of the product and the safe working limits of the selected respirator.
- Hands** : Chemical-resistant, impervious gloves complying with an approved standard should be worn at all times when handling chemical products if a risk assessment indicates this is necessary.
- Eyes** : Safety eyewear complying with an approved standard should be used when a risk assessment indicates this is necessary to avoid exposure to liquid splashes, mists or dusts.
- Skin** : Personal protective equipment for the body should be selected based on the task being performed and the risks involved and should be approved by a specialist before handling this product.
- Environmental exposure controls** : Emissions from ventilation or work process equipment should be checked to ensure they comply with the requirements of environmental protection legislation. In some cases, fume scrubbers, filters or engineering modifications to the process equipment will be necessary to reduce emissions to acceptable levels.
- Other protection** : Not available.

## 9. Physical and chemical properties

<b>Physical state</b>	: pBEn-SBPa vector	Liquid.
	pBEn-SBPb vector	Liquid.
	pBEn-SBPc vector	Liquid.
<b>Flash point</b>	: pBEn-SBPa vector	[Product does not sustain combustion.]
	pBEn-SBPb vector	[Product does not sustain combustion.]
	pBEn-SBPc vector	[Product does not sustain combustion.]
<b>Auto-ignition temperature</b>	: pBEn-SBPa vector	Not available.
	pBEn-SBPb vector	Not available.
	pBEn-SBPc vector	Not available.
<b>Flammable limits</b>	: pBEn-SBPa vector	Not available.
	pBEn-SBPb vector	Not available.
	pBEn-SBPc vector	Not available.
<b>Color</b>	: pBEn-SBPa vector	Not available.
	pBEn-SBPb vector	Not available.
	pBEn-SBPc vector	Not available.
<b>Odor</b>	: pBEn-SBPa vector	Not available.
	pBEn-SBPb vector	Not available.
	pBEn-SBPc vector	Not available.
<b>pH</b>	: pBEn-SBPa vector	7.5
	pBEn-SBPb vector	7.5
	pBEn-SBPc vector	7.5
<b>Boiling/condensation point</b>	: pBEn-SBPa vector	100°C (212°F)
	pBEn-SBPb vector	100°C (212°F)
	pBEn-SBPc vector	100°C (212°F)
<b>Melting/freezing point</b>	: pBEn-SBPa vector	0°C (32°F)
	pBEn-SBPb vector	0°C (32°F)
	pBEn-SBPc vector	0°C (32°F)
<b>Specific gravity</b>	: pBEn-SBPa vector	Not available.
	pBEn-SBPb vector	Not available.
	pBEn-SBPc vector	Not available.
<b>Vapor pressure</b>	: pBEn-SBPa vector	Not available.
	pBEn-SBPb vector	Not available.
	pBEn-SBPc vector	Not available.
<b>Vapor density</b>	: pBEn-SBPa vector	Not available.
	pBEn-SBPb vector	Not available.
	pBEn-SBPc vector	Not available.
<b>Volatility</b>	: pBEn-SBPa vector	Not available.
	pBEn-SBPb vector	Not available.
	pBEn-SBPc vector	Not available.
<b>Odor threshold</b>	: pBEn-SBPa vector	Not available.
	pBEn-SBPb vector	Not available.
	pBEn-SBPc vector	Not available.
<b>Evaporation rate</b>	: pBEn-SBPa vector	Not available.
	pBEn-SBPb vector	Not available.
	pBEn-SBPc vector	Not available.
<b>Viscosity</b>	: pBEn-SBPa vector	Not available.
	pBEn-SBPb vector	Not available.
	pBEn-SBPc vector	Not available.
<b>Solubility</b>	: pBEn-SBPa vector	Easily soluble in the following materials: cold water and hot water.
	pBEn-SBPb vector	Easily soluble in the following materials: cold water and hot water.
	pBEn-SBPc vector	Easily soluble in the following materials: cold water and hot water.

## 10. Stability and reactivity

<b>Chemical stability</b>	: pBEn-SBPa vector pBEn-SBPb vector pBEn-SBPc vector	The product is stable. The product is stable. The product is stable.
<b>Conditions to avoid</b>	: pBEn-SBPa vector pBEn-SBPb vector pBEn-SBPc vector	No specific data. No specific data. No specific data.
<b>Materials to avoid</b>	: pBEn-SBPa vector pBEn-SBPb vector pBEn-SBPc vector	No specific data. No specific data. No specific data.
<b>Hazardous decomposition products</b>	: pBEn-SBPa vector  pBEn-SBPb vector  pBEn-SBPc vector	Under normal conditions of storage and use, hazardous decomposition products should not be produced. Under normal conditions of storage and use, hazardous decomposition products should not be produced. Under normal conditions of storage and use, hazardous decomposition products should not be produced.
<b>Possibility of hazardous reactions</b>	: pBEn-SBPa vector  pBEn-SBPb vector  pBEn-SBPc vector	Under normal conditions of storage and use, hazardous reactions will not occur. Under normal conditions of storage and use, hazardous reactions will not occur. Under normal conditions of storage and use, hazardous reactions will not occur.

## 11. Toxicological information

### Acute toxicity

Not available.

### Irritation/Corrosion

**Conclusion/Summary** : Not available.

### Sensitizer

**Conclusion/Summary** : Not available.

### Chronic toxicity / Carcinogenicity / Mutagenicity / Teratogenicity / Reproductive toxicity

Not available.

<b>Other adverse symptoms</b>	: pBEn-SBPa vector pBEn-SBPb vector pBEn-SBPc vector	Not available. Not available. Not available.
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## 12. Ecological information

<b>Ecotoxicity</b>	: No known significant effects or critical hazards.	
<b>Partition coefficient: n-octanol/water</b>	: pBEn-SBPa vector pBEn-SBPb vector pBEn-SBPc vector	Not available. Not available. Not available.
<b>Other adverse effects</b>	: No known significant effects or critical hazards.	

## 13. Disposal considerations

## 13. Disposal considerations

**Waste disposal** : The generation of waste should be avoided or minimized wherever possible. Significant quantities of waste product residues should not be disposed of via the foul sewer but processed in a suitable effluent treatment plant. Dispose of surplus and non-recyclable products via a licensed waste disposal contractor. Disposal of this product, solutions and any by-products should at all times comply with the requirements of environmental protection and waste disposal legislation and any regional local authority requirements. Waste packaging should be recycled. Incineration or landfill should only be considered when recycling is not feasible. This material and its container must be disposed of in a safe way. Empty containers or liners may retain some product residues. Avoid dispersal of spilled material and runoff and contact with soil, waterways, drains and sewers.

Disposal should be in accordance with applicable regional, national and local laws and regulations. Local regulations may be more stringent than regional or national requirements.

The information presented below only applies to the material as supplied. The identification based on characteristic(s) or listing may not apply if the material has been used or otherwise contaminated. It is the responsibility of the waste generator to determine the toxicity and physical properties of the material generated to determine the proper waste identification and disposal methods in compliance with applicable regulations.

Refer to Section 7: HANDLING AND STORAGE and Section 8: EXPOSURE CONTROLS/PERSONAL PROTECTION for additional handling information and protection of employees.

## 14. Transport information

### Regulatory information

**DOT / IMDG / IATA /** : Not regulated.

## 15. Regulatory information

**HCS Classification** : pBEn-SBP<sub>a</sub> vector Not regulated.  
 pBEn-SBP<sub>b</sub> vector Not regulated.  
 pBEn-SBP<sub>c</sub> vector Not regulated.

**U.S. Federal regulations** : **TSCA 8(a) IUR**: Partial exemption  
**United States inventory (TSCA 8b)**: All components are listed or exempted.  
**SARA 302/304/311/312 extremely hazardous substances**: No products were found.  
**SARA 302/304 emergency planning and notification**: No products were found.  
**SARA 302/304/311/312 hazardous chemicals**: No products were found.  
**SARA 311/312 MSDS distribution - chemical inventory - hazard identification**: No products were found.

**Clean Water Act (CWA) 311**: Edetic acid

**Clean Air Act Section 112(b) Hazardous Air Pollutants (HAPs)** : Not listed

**Clean Air Act Section 602 Class I Substances** : Not listed

**Clean Air Act Section 602 Class II Substances** : Not listed

**DEA List I Chemicals (Precursor Chemicals)** : Not listed

**DEA List II Chemicals (Essential Chemicals)** : Not listed

## 15. Regulatory information

### State regulations

<b>Massachusetts</b>	: None of the components are listed.
<b>New York</b>	: None of the components are listed.
<b>New Jersey</b>	: None of the components are listed.
<b>Pennsylvania</b>	: None of the components are listed.

### California Prop. 65

No products were found.

## 16. Other information

<b>Label requirements</b>	: pBEn-SBP <sub>a</sub> vector	NOT EXPECTED TO PRODUCE SIGNIFICANT ADVERSE HEALTH EFFECTS WHEN THE RECOMMENDED INSTRUCTIONS FOR USE ARE FOLLOWED.
	pBEn-SBP <sub>b</sub> vector	NOT EXPECTED TO PRODUCE SIGNIFICANT ADVERSE HEALTH EFFECTS WHEN THE RECOMMENDED INSTRUCTIONS FOR USE ARE FOLLOWED.
	pBEn-SBP <sub>c</sub> vector	NOT EXPECTED TO PRODUCE SIGNIFICANT ADVERSE HEALTH EFFECTS WHEN THE RECOMMENDED INSTRUCTIONS FOR USE ARE FOLLOWED.

<b>Date of issue</b>	: 04/13/2011
<b>Date of previous issue</b>	: No previous validation.
<b>Version</b>	: 1

Indicates information that has changed from previously issued version.

### Notice to reader

**Disclaimer:** The information contained in this document is based on Agilent's state of knowledge at the time of preparation. No warranty as to its accurateness, completeness or suitability for a particular purpose is expressed or implied.