

SAFETY DATA SHEET



VariFlex N-Terminal SBP-SET Vector Set, Part Number 240164

SECTION 1: Identification of the substance/mixture and of the company/undertaking

1.1 Product identifier

Product name : VariFlex N-Terminal SBP-SET Vector Set, Part Number 240164
Part No. (Kit) : 240164
Part No. : pBEn-SBP-SET1a Vector 240164-51
pBEn-SBP-SET1b Vector 240164-52
pBEn-SBP-SET1c 240164-53
pBEn-SBP-SET2a Vector 240164-54
pBEn-SBP-SET2b 240164-55
pBEn-SBP-SET2c 240164-56
pBEn-SBP-SET3a Vector 240164-57
pBEn-SBP-SET3b Vector 240164-58
pBEn-SBP-SET3c 240164-59

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

Identified uses	
Analytical reagent.	
pBEn-SBP-SET1a Vector	0.02 ml
pBEn-SBP-SET1b Vector	0.02 ml (20 µg 1 µg/µl)
pBEn-SBP-SET1c	0.02 ml (20 µg 1 µg/µl)
pBEn-SBP-SET2a Vector	0.02 ml
pBEn-SBP-SET2b	0.02 ml (20 µg 1 µg/µl)
pBEn-SBP-SET2c	0.02 ml (20 µg 1 µg/µl)
pBEn-SBP-SET3a Vector	0.02 ml (20 µg 1 µg/µl)
pBEn-SBP-SET3b Vector	0.02 ml (20 µg 1 µg/µl)
pBEn-SBP-SET3c	0.02 ml (20 µg 1 µg/µl)

1.3 Details of the supplier of the safety data sheet

Agilent Technologies Manufacturing GmbH & Co. KG
Hewlett-Packard-Str. 8
76337 Waldbronn
Germany
0800 603 1000

e-mail address of person responsible for this SDS : pdl-msds_author@agilent.com

1.4 Emergency telephone number

Emergency telephone number (with hours of operation) : CHEMTREC®: +(44)-870-8200418

SECTION 2: Hazards identification

2.1 Classification of the substance or mixture

Product definition : pBEn-SBP-SET1a Vector Mixture
pBEn-SBP-SET1b Vector Mixture
pBEn-SBP-SET1c Mixture
pBEn-SBP-SET2a Vector Mixture
pBEn-SBP-SET2b Mixture
pBEn-SBP-SET2c Mixture
pBEn-SBP-SET3a Vector Mixture
pBEn-SBP-SET3b Vector Mixture
pBEn-SBP-SET3c Mixture

Date of issue/Date of revision : 21/04/2017

SECTION 2: Hazards identificationClassification according to Regulation (EC) No. 1272/2008 [CLP/GHS]

Not classified.

See Section 16 for the full text of the H statements declared above.

See Section 11 for more detailed information on health effects and symptoms.

2.2 Label elements

Signal word	:	pBEn-SBP-SET1a Vector	No signal word.
		pBEn-SBP-SET1b Vector	No signal word.
		pBEn-SBP-SET1c	No signal word.
		pBEn-SBP-SET2a Vector	No signal word.
		pBEn-SBP-SET2b	No signal word.
		pBEn-SBP-SET2c	No signal word.
		pBEn-SBP-SET3a Vector	No signal word.
		pBEn-SBP-SET3b Vector	No signal word.
		pBEn-SBP-SET3c	No signal word.
Hazard statements	:	pBEn-SBP-SET1a Vector	No known significant effects or critical hazards.
		pBEn-SBP-SET1b Vector	No known significant effects or critical hazards.
		pBEn-SBP-SET1c	No known significant effects or critical hazards.
		pBEn-SBP-SET2a Vector	No known significant effects or critical hazards.
		pBEn-SBP-SET2b	No known significant effects or critical hazards.
		pBEn-SBP-SET2c	No known significant effects or critical hazards.
		pBEn-SBP-SET3a Vector	No known significant effects or critical hazards.
		pBEn-SBP-SET3b Vector	No known significant effects or critical hazards.
		pBEn-SBP-SET3c	No known significant effects or critical hazards.
Precautionary statements			
Prevention	:	pBEn-SBP-SET1a Vector	Not applicable.
		pBEn-SBP-SET1b Vector	Not applicable.
		pBEn-SBP-SET1c	Not applicable.
		pBEn-SBP-SET2a Vector	Not applicable.
		pBEn-SBP-SET2b	Not applicable.
		pBEn-SBP-SET2c	Not applicable.
		pBEn-SBP-SET3a Vector	Not applicable.
		pBEn-SBP-SET3b Vector	Not applicable.
		pBEn-SBP-SET3c	Not applicable.
Response	:	pBEn-SBP-SET1a Vector	Not applicable.
		pBEn-SBP-SET1b Vector	Not applicable.
		pBEn-SBP-SET1c	Not applicable.
		pBEn-SBP-SET2a Vector	Not applicable.
		pBEn-SBP-SET2b	Not applicable.
		pBEn-SBP-SET2c	Not applicable.
		pBEn-SBP-SET3a Vector	Not applicable.
		pBEn-SBP-SET3b Vector	Not applicable.
		pBEn-SBP-SET3c	Not applicable.
Storage	:	pBEn-SBP-SET1a Vector	Not applicable.
		pBEn-SBP-SET1b Vector	Not applicable.
		pBEn-SBP-SET1c	Not applicable.
		pBEn-SBP-SET2a Vector	Not applicable.
		pBEn-SBP-SET2b	Not applicable.
		pBEn-SBP-SET2c	Not applicable.
		pBEn-SBP-SET3a Vector	Not applicable.
		pBEn-SBP-SET3b Vector	Not applicable.
		pBEn-SBP-SET3c	Not applicable.

SECTION 2: Hazards identification

Disposal	:	pBEn-SBP-SET1a Vector	Not applicable.
		pBEn-SBP-SET1b Vector	Not applicable.
		pBEn-SBP-SET1c	Not applicable.
		pBEn-SBP-SET2a Vector	Not applicable.
		pBEn-SBP-SET2b	Not applicable.
		pBEn-SBP-SET2c	Not applicable.
		pBEn-SBP-SET3a Vector	Not applicable.
		pBEn-SBP-SET3b Vector	Not applicable.
		pBEn-SBP-SET3c	Not applicable.
Supplemental label elements	:	pBEn-SBP-SET1a Vector	Not applicable.
		pBEn-SBP-SET1b Vector	Not applicable.
		pBEn-SBP-SET1c	Not applicable.
		pBEn-SBP-SET2a Vector	Not applicable.
		pBEn-SBP-SET2b	Not applicable.
		pBEn-SBP-SET2c	Not applicable.
		pBEn-SBP-SET3a Vector	Not applicable.
		pBEn-SBP-SET3b Vector	Not applicable.
		pBEn-SBP-SET3c	Not applicable.
Annex XVII - Restrictions on the manufacture, placing on the market and use of certain dangerous substances, mixtures and articles	:	pBEn-SBP-SET1a Vector	Not applicable.
		pBEn-SBP-SET1b Vector	Not applicable.
		pBEn-SBP-SET1c	Not applicable.
		pBEn-SBP-SET2a Vector	Not applicable.
		pBEn-SBP-SET2b	Not applicable.
		pBEn-SBP-SET2c	Not applicable.
		pBEn-SBP-SET3a Vector	Not applicable.
		pBEn-SBP-SET3b Vector	Not applicable.
		pBEn-SBP-SET3c	Not applicable.
Special packaging requirements			
Tactile warning of danger	:	pBEn-SBP-SET1a Vector	Not applicable.
		pBEn-SBP-SET1b Vector	Not applicable.
		pBEn-SBP-SET1c	Not applicable.
		pBEn-SBP-SET2a Vector	Not applicable.
		pBEn-SBP-SET2b	Not applicable.
		pBEn-SBP-SET2c	Not applicable.
		pBEn-SBP-SET3a Vector	Not applicable.
		pBEn-SBP-SET3b Vector	Not applicable.
		pBEn-SBP-SET3c	Not applicable.

2.3 Other hazards

Other hazards which do not result in classification	:	pBEn-SBP-SET1a Vector	None known.
		pBEn-SBP-SET1b Vector	None known.
		pBEn-SBP-SET1c	None known.
		pBEn-SBP-SET2a Vector	None known.
		pBEn-SBP-SET2b	None known.
		pBEn-SBP-SET2c	None known.
		pBEn-SBP-SET3a Vector	None known.
		pBEn-SBP-SET3b Vector	None known.
		pBEn-SBP-SET3c	None known.

SECTION 3: Composition/information on ingredients

3.1 Substances	:	pBEn-SBP-SET1a Vector	Mixture
		pBEn-SBP-SET1b Vector	Mixture
		pBEn-SBP-SET1c	Mixture
		pBEn-SBP-SET2a Vector	Mixture
		pBEn-SBP-SET2b	Mixture
		pBEn-SBP-SET2c	Mixture
		pBEn-SBP-SET3a Vector	Mixture
		pBEn-SBP-SET3b Vector	Mixture
		pBEn-SBP-SET3c	Mixture

SECTION 3: Composition/information on ingredients

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, are PBTs, vPvBs or Substances of equivalent concern, or have been assigned a workplace exposure limit and hence require reporting in this section.

Type

- [1] Substance classified with a health or environmental hazard
 [2] Substance with a workplace exposure limit
 [3] Substance meets the criteria for PBT according to Regulation (EC) No. 1907/2006, Annex XIII
 [4] Substance meets the criteria for vPvB according to Regulation (EC) No. 1907/2006, Annex XIII
 [5] Substance of equivalent concern

Occupational exposure limits, if available, are listed in Section 8.

SECTION 4: First aid measures**4.1 Description of first aid measures**

Eye contact	: pBEn-SBP-SET1a Vector	Immediately flush eyes with plenty of water, occasionally lifting the upper and lower eyelids. Check for and remove any contact lenses. Get medical attention if irritation occurs.
	pBEn-SBP-SET1b Vector	Immediately flush eyes with plenty of water, occasionally lifting the upper and lower eyelids. Check for and remove any contact lenses. Get medical attention if irritation occurs.
	pBEn-SBP-SET1c	Immediately flush eyes with plenty of water, occasionally lifting the upper and lower eyelids. Check for and remove any contact lenses. Get medical attention if irritation occurs.
	pBEn-SBP-SET2a Vector	Immediately flush eyes with plenty of water, occasionally lifting the upper and lower eyelids. Check for and remove any contact lenses. Get medical attention if irritation occurs.
	pBEn-SBP-SET2b	Immediately flush eyes with plenty of water, occasionally lifting the upper and lower eyelids. Check for and remove any contact lenses. Get medical attention if irritation occurs.
	pBEn-SBP-SET2c	Immediately flush eyes with plenty of water, occasionally lifting the upper and lower eyelids. Check for and remove any contact lenses. Get medical attention if irritation occurs.
	pBEn-SBP-SET3a Vector	Immediately flush eyes with plenty of water, occasionally lifting the upper and lower eyelids. Check for and remove any contact lenses. Get medical attention if irritation occurs.
	pBEn-SBP-SET3b Vector	Immediately flush eyes with plenty of water, occasionally lifting the upper and lower eyelids. Check for and remove any contact lenses. Get medical attention if irritation occurs.
	pBEn-SBP-SET3c	Immediately flush eyes with plenty of water, occasionally lifting the upper and lower eyelids. Check for and remove any contact lenses. Get medical attention if irritation occurs.
Inhalation	: pBEn-SBP-SET1a vector	Move exposed person to fresh air. Keep person warm and at rest. If not breathing, if breathing is irregular or if respiratory arrest occurs, provide artificial respiration or oxygen by trained personnel. Get medical attention if symptoms occur.
	pBEn-SBP-SET1b vector	Move exposed person to fresh air. Keep person warm and at rest. If not breathing, if breathing is irregular or if respiratory arrest occurs, provide artificial respiration or oxygen by trained personnel. Get medical attention if symptoms occur.
	pBEn-SBP-SET1c vector	Move exposed person to fresh air. Keep person warm and at rest. If not breathing, if breathing is irregular or if respiratory arrest occurs, provide artificial respiration or oxygen by trained personnel. Get medical attention if symptoms occur.
	pBEn-SBP-SET2a vector	Move exposed person to fresh air. Keep person warm and at rest. If not breathing, if breathing is irregular or if respiratory arrest occurs, provide artificial respiration or oxygen by trained personnel. Get medical attention if symptoms occur.
	pBEn-SBP-SET2b vector	Move exposed person to fresh air. Keep person warm and at rest. If not breathing, if breathing is irregular or if

SECTION 4: First aid measures

		respiratory arrest occurs, provide artificial respiration or oxygen by trained personnel. Get medical attention if symptoms occur.
	pBEn-SBP-SET2c vector	Move exposed person to fresh air. Keep person warm and at rest. If not breathing, if breathing is irregular or if respiratory arrest occurs, provide artificial respiration or oxygen by trained personnel. Get medical attention if symptoms occur.
	pBEn-SBP-SET3a vector	Move exposed person to fresh air. Keep person warm and at rest. If not breathing, if breathing is irregular or if respiratory arrest occurs, provide artificial respiration or oxygen by trained personnel. Get medical attention if symptoms occur.
	pBEn-SBP-SET3b vector	Move exposed person to fresh air. Keep person warm and at rest. If not breathing, if breathing is irregular or if respiratory arrest occurs, provide artificial respiration or oxygen by trained personnel. Get medical attention if symptoms occur.
	pBEn-SBP-SET3c vector	Move exposed person to fresh air. Keep person warm and at rest. If not breathing, if breathing is irregular or if respiratory arrest occurs, provide artificial respiration or oxygen by trained personnel. Get medical attention if symptoms occur.
Skin contact	: pBEn-SBP-SET1a Vector	Flush contaminated skin with plenty of water. Remove contaminated clothing and shoes. Get medical attention if symptoms occur.
	pBEn-SBP-SET1b Vector	Flush contaminated skin with plenty of water. Remove contaminated clothing and shoes. Get medical attention if symptoms occur.
	pBEn-SBP-SET1c	Flush contaminated skin with plenty of water. Remove contaminated clothing and shoes. Get medical attention if symptoms occur.
	pBEn-SBP-SET2a Vector	Flush contaminated skin with plenty of water. Remove contaminated clothing and shoes. Get medical attention if symptoms occur.
	pBEn-SBP-SET2b	Flush contaminated skin with plenty of water. Remove contaminated clothing and shoes. Get medical attention if symptoms occur.
	pBEn-SBP-SET2c	Flush contaminated skin with plenty of water. Remove contaminated clothing and shoes. Get medical attention if symptoms occur.
	pBEn-SBP-SET3a Vector	Flush contaminated skin with plenty of water. Remove contaminated clothing and shoes. Get medical attention if symptoms occur.
	pBEn-SBP-SET3b Vector	Flush contaminated skin with plenty of water. Remove contaminated clothing and shoes. Get medical attention if symptoms occur.
	pBEn-SBP-SET3c	Flush contaminated skin with plenty of water. Remove contaminated clothing and shoes. Get medical attention if symptoms occur.
Ingestion	: pBEn-SBP-SET1a vector	Wash out mouth with water. Move exposed person to fresh air. Keep person warm and at rest. If material has been swallowed and the exposed person is conscious, give small quantities of water to drink. Do not induce vomiting unless directed to do so by medical personnel. Get medical attention if symptoms occur.
	pBEn-SBP-SET1b vector	Wash out mouth with water. Move exposed person to fresh air. Keep person warm and at rest. If material has been swallowed and the exposed person is conscious, give small quantities of water to drink. Do not induce vomiting unless directed to do so by medical personnel. Get medical attention if symptoms occur.
	pBEn-SBP-SET1c vector	Wash out mouth with water. Move exposed person to fresh air. Keep person warm and at rest. If material has been

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	swallowed and the exposed person is conscious, give small quantities of water to drink. Do not induce vomiting unless directed to do so by medical personnel. Get medical attention if symptoms occur.
pBEn-SBP-SET2a vector	Wash out mouth with water. Move exposed person to fresh air. Keep person warm and at rest. If material has been swallowed and the exposed person is conscious, give small quantities of water to drink. Do not induce vomiting unless directed to do so by medical personnel. Get medical attention if symptoms occur.
pBEn-SBP-SET2b vector	Wash out mouth with water. Move exposed person to fresh air. Keep person warm and at rest. If material has been swallowed and the exposed person is conscious, give small quantities of water to drink. Do not induce vomiting unless directed to do so by medical personnel. Get medical attention if symptoms occur.
pBEn-SBP-SET2c vector	Wash out mouth with water. Move exposed person to fresh air. Keep person warm and at rest. If material has been swallowed and the exposed person is conscious, give small quantities of water to drink. Do not induce vomiting unless directed to do so by medical personnel. Get medical attention if symptoms occur.
pBEn-SBP-SET3a vector	Wash out mouth with water. Move exposed person to fresh air. Keep person warm and at rest. If material has been swallowed and the exposed person is conscious, give small quantities of water to drink. Do not induce vomiting unless directed to do so by medical personnel. Get medical attention if symptoms occur.
pBEn-SBP-SET3b vector	Wash out mouth with water. Move exposed person to fresh air. Keep person warm and at rest. If material has been swallowed and the exposed person is conscious, give small quantities of water to drink. Do not induce vomiting unless directed to do so by medical personnel. Get medical attention if symptoms occur.
pBEn-SBP-SET3c vector	Wash out mouth with water. Move exposed person to fresh air. Keep person warm and at rest. If material has been swallowed and the exposed person is conscious, give small quantities of water to drink. Do not induce vomiting unless directed to do so by medical personnel. Get medical attention if symptoms occur.
Protection of first-aiders :	
pBEn-SBP-SET1a Vector	No action shall be taken involving any personal risk or without suitable training.
pBEn-SBP-SET1b Vector	No action shall be taken involving any personal risk or without suitable training.
pBEn-SBP-SET1c	No action shall be taken involving any personal risk or without suitable training.
pBEn-SBP-SET2a Vector	No action shall be taken involving any personal risk or without suitable training.
pBEn-SBP-SET2b	No action shall be taken involving any personal risk or without suitable training.
pBEn-SBP-SET2c	No action shall be taken involving any personal risk or without suitable training.
pBEn-SBP-SET3a Vector	No action shall be taken involving any personal risk or without suitable training.
pBEn-SBP-SET3b Vector	No action shall be taken involving any personal risk or without suitable training.
pBEn-SBP-SET3c	No action shall be taken involving any personal risk or without suitable training.

4.2 Most important symptoms and effects, both acute and delayed**Potential acute health effects**

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Eye contact	:	pBEn-SBP-SET1a Vector	No known significant effects or critical hazards.
		pBEn-SBP-SET1b Vector	No known significant effects or critical hazards.
		pBEn-SBP-SET1c	No known significant effects or critical hazards.
		pBEn-SBP-SET2a Vector	No known significant effects or critical hazards.
		pBEn-SBP-SET2b	No known significant effects or critical hazards.
		pBEn-SBP-SET2c	No known significant effects or critical hazards.
		pBEn-SBP-SET3a Vector	No known significant effects or critical hazards.
		pBEn-SBP-SET3b Vector	No known significant effects or critical hazards.
		pBEn-SBP-SET3c	No known significant effects or critical hazards.
Inhalation	:	pBEn-SBP-SET1a Vector	No known significant effects or critical hazards.
		pBEn-SBP-SET1b Vector	No known significant effects or critical hazards.
		pBEn-SBP-SET1c	No known significant effects or critical hazards.
		pBEn-SBP-SET2a Vector	No known significant effects or critical hazards.
		pBEn-SBP-SET2b	No known significant effects or critical hazards.
		pBEn-SBP-SET2c	No known significant effects or critical hazards.
		pBEn-SBP-SET3a Vector	No known significant effects or critical hazards.
		pBEn-SBP-SET3b Vector	No known significant effects or critical hazards.
		pBEn-SBP-SET3c	No known significant effects or critical hazards.
Skin contact	:	pBEn-SBP-SET1a Vector	No known significant effects or critical hazards.
		pBEn-SBP-SET1b Vector	No known significant effects or critical hazards.
		pBEn-SBP-SET1c	No known significant effects or critical hazards.
		pBEn-SBP-SET2a Vector	No known significant effects or critical hazards.
		pBEn-SBP-SET2b	No known significant effects or critical hazards.
		pBEn-SBP-SET2c	No known significant effects or critical hazards.
		pBEn-SBP-SET3a Vector	No known significant effects or critical hazards.
		pBEn-SBP-SET3b Vector	No known significant effects or critical hazards.
		pBEn-SBP-SET3c	No known significant effects or critical hazards.
Ingestion	:	pBEn-SBP-SET1a Vector	No known significant effects or critical hazards.
		pBEn-SBP-SET1b Vector	No known significant effects or critical hazards.
		pBEn-SBP-SET1c	No known significant effects or critical hazards.
		pBEn-SBP-SET2a Vector	No known significant effects or critical hazards.
		pBEn-SBP-SET2b	No known significant effects or critical hazards.
		pBEn-SBP-SET2c	No known significant effects or critical hazards.
		pBEn-SBP-SET3a Vector	No known significant effects or critical hazards.
		pBEn-SBP-SET3b Vector	No known significant effects or critical hazards.
		pBEn-SBP-SET3c	No known significant effects or critical hazards.

Over-exposure signs/symptoms

Eye contact	:	pBEn-SBP-SET1a Vector	No specific data.
		pBEn-SBP-SET1b Vector	No specific data.
		pBEn-SBP-SET1c	No specific data.
		pBEn-SBP-SET2a Vector	No specific data.
		pBEn-SBP-SET2b	No specific data.
		pBEn-SBP-SET2c	No specific data.
		pBEn-SBP-SET3a Vector	No specific data.
		pBEn-SBP-SET3b Vector	No specific data.
		pBEn-SBP-SET3c	No specific data.
Inhalation	:	pBEn-SBP-SET1a Vector	No specific data.
		pBEn-SBP-SET1b Vector	No specific data.
		pBEn-SBP-SET1c	No specific data.
		pBEn-SBP-SET2a Vector	No specific data.
		pBEn-SBP-SET2b	No specific data.
		pBEn-SBP-SET2c	No specific data.
		pBEn-SBP-SET3a Vector	No specific data.
		pBEn-SBP-SET3b Vector	No specific data.
		pBEn-SBP-SET3c	No specific data.
Skin contact	:	pBEn-SBP-SET1a Vector	No specific data.
		pBEn-SBP-SET1b Vector	No specific data.
		pBEn-SBP-SET1c	No specific data.
		pBEn-SBP-SET2a Vector	No specific data.
		pBEn-SBP-SET2b	No specific data.
		pBEn-SBP-SET2c	No specific data.
		pBEn-SBP-SET3a Vector	No specific data.
		pBEn-SBP-SET3b Vector	No specific data.

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	pBEn-SBP-SET3c	No specific data.
Ingestion	: pBEn-SBP-SET1a Vector	No specific data.
	pBEn-SBP-SET1b Vector	No specific data.
	pBEn-SBP-SET1c	No specific data.
	pBEn-SBP-SET2a Vector	No specific data.
	pBEn-SBP-SET2b	No specific data.
	pBEn-SBP-SET2c	No specific data.
	pBEn-SBP-SET3a Vector	No specific data.
	pBEn-SBP-SET3b Vector	No specific data.
	pBEn-SBP-SET3c	No specific data.

4.3 Indication of any immediate medical attention and special treatment needed

Notes to physician	: pBEn-SBP-SET1a vector	No specific treatment. Treat symptomatically. Contact poison treatment specialist immediately if large quantities have been ingested or inhaled.
	pBEn-SBP-SET1b vector	No specific treatment. Treat symptomatically. Contact poison treatment specialist immediately if large quantities have been ingested or inhaled.
	pBEn-SBP-SET1c vector	No specific treatment. Treat symptomatically. Contact poison treatment specialist immediately if large quantities have been ingested or inhaled.
	pBEn-SBP-SET2a vector	No specific treatment. Treat symptomatically. Contact poison treatment specialist immediately if large quantities have been ingested or inhaled.
	pBEn-SBP-SET2b vector	No specific treatment. Treat symptomatically. Contact poison treatment specialist immediately if large quantities have been ingested or inhaled.
	pBEn-SBP-SET2c vector	No specific treatment. Treat symptomatically. Contact poison treatment specialist immediately if large quantities have been ingested or inhaled.
	pBEn-SBP-SET3a vector	No specific treatment. Treat symptomatically. Contact poison treatment specialist immediately if large quantities have been ingested or inhaled.
	pBEn-SBP-SET3b vector	No specific treatment. Treat symptomatically. Contact poison treatment specialist immediately if large quantities have been ingested or inhaled.
	pBEn-SBP-SET3c vector	No specific treatment. Treat symptomatically. Contact poison treatment specialist immediately if large quantities have been ingested or inhaled.

Specific treatments	: pBEn-SBP-SET1a Vector	No specific treatment.
	pBEn-SBP-SET1b Vector	No specific treatment.
	pBEn-SBP-SET1c	No specific treatment.
	pBEn-SBP-SET2a Vector	No specific treatment.
	pBEn-SBP-SET2b	No specific treatment.
	pBEn-SBP-SET2c	No specific treatment.
	pBEn-SBP-SET3a Vector	No specific treatment.
	pBEn-SBP-SET3b Vector	No specific treatment.
	pBEn-SBP-SET3c	No specific treatment.

SECTION 5: Firefighting measures**5.1 Extinguishing media**

Suitable extinguishing media	: pBEn-SBP-SET1a Vector	Use an extinguishing agent suitable for the surrounding fire.
	pBEn-SBP-SET1b Vector	Use an extinguishing agent suitable for the surrounding fire.
	pBEn-SBP-SET1c	Use an extinguishing agent suitable for the surrounding fire.
	pBEn-SBP-SET2a Vector	Use an extinguishing agent suitable for the surrounding fire.
	pBEn-SBP-SET2b	Use an extinguishing agent suitable for the surrounding fire.
	pBEn-SBP-SET2c	Use an extinguishing agent suitable for the surrounding fire.
	pBEn-SBP-SET3a Vector	Use an extinguishing agent suitable for the surrounding fire.
	pBEn-SBP-SET3b Vector	Use an extinguishing agent suitable for the surrounding fire.
	pBEn-SBP-SET3c	Use an extinguishing agent suitable for the surrounding fire.

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Unsuitable extinguishing media	: pBEn-SBP-SET1a Vector	None known.
	pBEn-SBP-SET1b Vector	None known.
	pBEn-SBP-SET1c	None known.
	pBEn-SBP-SET2a Vector	None known.
	pBEn-SBP-SET2b	None known.
	pBEn-SBP-SET2c	None known.
	pBEn-SBP-SET3a Vector	None known.
	pBEn-SBP-SET3b Vector	None known.
	pBEn-SBP-SET3c	None known.

5.2 Special hazards arising from the substance or mixture

Hazards from the substance or mixture	: pBEn-SBP-SET1a Vector	In a fire or if heated, a pressure increase will occur and the container may burst.
	pBEn-SBP-SET1b Vector	In a fire or if heated, a pressure increase will occur and the container may burst.
	pBEn-SBP-SET1c	In a fire or if heated, a pressure increase will occur and the container may burst.
	pBEn-SBP-SET2a Vector	In a fire or if heated, a pressure increase will occur and the container may burst.
	pBEn-SBP-SET2b	In a fire or if heated, a pressure increase will occur and the container may burst.
	pBEn-SBP-SET2c	In a fire or if heated, a pressure increase will occur and the container may burst.
	pBEn-SBP-SET3a Vector	In a fire or if heated, a pressure increase will occur and the container may burst.
	pBEn-SBP-SET3b Vector	In a fire or if heated, a pressure increase will occur and the container may burst.
	pBEn-SBP-SET3c	In a fire or if heated, a pressure increase will occur and the container may burst.

Hazardous combustion products	: pBEn-SBP-SET1a Vector	No specific data.
	pBEn-SBP-SET1b Vector	No specific data.
	pBEn-SBP-SET1c	No specific data.
	pBEn-SBP-SET2a Vector	No specific data.
	pBEn-SBP-SET2b	No specific data.
	pBEn-SBP-SET2c	No specific data.
	pBEn-SBP-SET3a Vector	No specific data.
	pBEn-SBP-SET3b Vector	No specific data.
	pBEn-SBP-SET3c	No specific data.

5.3 Advice for firefighters

Special precautions for fire-fighters	: pBEn-SBP-SET1a Vector	Promptly isolate the scene by removing all persons from the vicinity of the incident if there is a fire. No action shall be taken involving any personal risk or without suitable training.
	pBEn-SBP-SET1b Vector	Promptly isolate the scene by removing all persons from the vicinity of the incident if there is a fire. No action shall be taken involving any personal risk or without suitable training.
	pBEn-SBP-SET1c	Promptly isolate the scene by removing all persons from the vicinity of the incident if there is a fire. No action shall be taken involving any personal risk or without suitable training.
	pBEn-SBP-SET2a Vector	Promptly isolate the scene by removing all persons from the vicinity of the incident if there is a fire. No action shall be taken involving any personal risk or without suitable training.
	pBEn-SBP-SET2b	Promptly isolate the scene by removing all persons from the vicinity of the incident if there is a fire. No action shall be taken involving any personal risk or without suitable training.
	pBEn-SBP-SET2c	Promptly isolate the scene by removing all persons from the vicinity of the incident if there is a fire. No action shall be taken involving any personal risk or without suitable training.
	pBEn-SBP-SET3a Vector	Promptly isolate the scene by removing all persons from the vicinity of the incident if there is a fire. No action shall be taken involving any personal risk or without suitable training.
	pBEn-SBP-SET3b Vector	Promptly isolate the scene by removing all persons from the vicinity of the incident if there is a fire. No action shall be taken involving any personal risk or without suitable training.

SECTION 5: Firefighting measures**Special protective equipment for fire-fighters**

		vicinity of the incident if there is a fire. No action shall be taken involving any personal risk or without suitable training. Promptly isolate the scene by removing all persons from the vicinity of the incident if there is a fire. No action shall be taken involving any personal risk or without suitable training.
	pBEn-SBP-SET3c	
	: pBEn-SBP-SET1a Vector	Fire-fighters should wear appropriate protective equipment and self-contained breathing apparatus (SCBA) with a full face-piece operated in positive pressure mode. Clothing for fire-fighters (including helmets, protective boots and gloves) conforming to European standard EN 469 will provide a basic level of protection for chemical incidents.
	pBEn-SBP-SET1b Vector	Fire-fighters should wear appropriate protective equipment and self-contained breathing apparatus (SCBA) with a full face-piece operated in positive pressure mode. Clothing for fire-fighters (including helmets, protective boots and gloves) conforming to European standard EN 469 will provide a basic level of protection for chemical incidents.
	pBEn-SBP-SET1c	Fire-fighters should wear appropriate protective equipment and self-contained breathing apparatus (SCBA) with a full face-piece operated in positive pressure mode. Clothing for fire-fighters (including helmets, protective boots and gloves) conforming to European standard EN 469 will provide a basic level of protection for chemical incidents.
	pBEn-SBP-SET2a Vector	Fire-fighters should wear appropriate protective equipment and self-contained breathing apparatus (SCBA) with a full face-piece operated in positive pressure mode. Clothing for fire-fighters (including helmets, protective boots and gloves) conforming to European standard EN 469 will provide a basic level of protection for chemical incidents.
	pBEn-SBP-SET2b	Fire-fighters should wear appropriate protective equipment and self-contained breathing apparatus (SCBA) with a full face-piece operated in positive pressure mode. Clothing for fire-fighters (including helmets, protective boots and gloves) conforming to European standard EN 469 will provide a basic level of protection for chemical incidents.
	pBEn-SBP-SET2c	Fire-fighters should wear appropriate protective equipment and self-contained breathing apparatus (SCBA) with a full face-piece operated in positive pressure mode. Clothing for fire-fighters (including helmets, protective boots and gloves) conforming to European standard EN 469 will provide a basic level of protection for chemical incidents.
	pBEn-SBP-SET3a Vector	Fire-fighters should wear appropriate protective equipment and self-contained breathing apparatus (SCBA) with a full face-piece operated in positive pressure mode. Clothing for fire-fighters (including helmets, protective boots and gloves) conforming to European standard EN 469 will provide a basic level of protection for chemical incidents.
	pBEn-SBP-SET3b Vector	Fire-fighters should wear appropriate protective equipment and self-contained breathing apparatus (SCBA) with a full face-piece operated in positive pressure mode. Clothing for fire-fighters (including helmets, protective boots and gloves) conforming to European standard EN 469 will provide a basic level of protection for chemical incidents.
	pBEn-SBP-SET3c	Fire-fighters should wear appropriate protective equipment and self-contained breathing apparatus (SCBA) with a full face-piece operated in positive pressure mode. Clothing for fire-fighters (including helmets, protective boots and gloves) conforming to European standard EN 469 will provide a basic level of protection for chemical incidents.

SECTION 6: Accidental release measures

6.1 Personal precautions, protective equipment and emergency procedures

For non-emergency personnel

- : pBEn-SBP-SET1a 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 spilt material. Put on appropriate personal protective equipment.
- pBEn-SBP-SET1b 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 spilt material. Put on appropriate personal protective equipment.
- pBEn-SBP-SET1c 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 spilt material. Put on appropriate personal protective equipment.
- pBEn-SBP-SET2a 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 spilt material. Put on appropriate personal protective equipment.
- pBEn-SBP-SET2b 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 spilt material. Put on appropriate personal protective equipment.
- pBEn-SBP-SET2c 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 spilt material. Put on appropriate personal protective equipment.
- pBEn-SBP-SET3a 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 spilt material. Put on appropriate personal protective equipment.
- pBEn-SBP-SET3b 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 spilt material. Put on appropriate personal protective equipment.
- pBEn-SBP-SET3c 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 spilt material. Put on appropriate personal protective equipment.

For emergency responders

- : pBEn-SBP-SET1a Vector If specialised clothing is required to deal with the spillage, take note of any information in Section 8 on suitable and unsuitable materials. See also the information in "For non-emergency personnel".
- pBEn-SBP-SET1b Vector If specialised clothing is required to deal with the spillage, take note of any information in Section 8 on suitable and unsuitable materials. See also the information in "For non-emergency personnel".
- pBEn-SBP-SET1c If specialised clothing is required to deal with the spillage, take note of any information in Section 8 on suitable and unsuitable materials. See also the information in "For non-emergency personnel".
- pBEn-SBP-SET2a Vector If specialised clothing is required to deal with the spillage, take note of any information in Section 8 on suitable and unsuitable materials. See also the information in "For non-emergency personnel".
- pBEn-SBP-SET2b If specialised clothing is required to deal with the spillage,

SECTION 6: Accidental release measures

	take note of any information in Section 8 on suitable and unsuitable materials. See also the information in "For non-emergency personnel".
pBEn-SBP-SET2c	If specialised clothing is required to deal with the spillage, take note of any information in Section 8 on suitable and unsuitable materials. See also the information in "For non-emergency personnel".
pBEn-SBP-SET3a Vector	If specialised clothing is required to deal with the spillage, take note of any information in Section 8 on suitable and unsuitable materials. See also the information in "For non-emergency personnel".
pBEn-SBP-SET3b Vector	If specialised clothing is required to deal with the spillage, take note of any information in Section 8 on suitable and unsuitable materials. See also the information in "For non-emergency personnel".
pBEn-SBP-SET3c	If specialised clothing is required to deal with the spillage, take note of any information in Section 8 on suitable and unsuitable materials. See also the information in "For non-emergency personnel".

6.2 Environmental precautions

: pBEn-SBP-SET1a Vector	Avoid dispersal of spilt 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-SBP-SET1b Vector	Avoid dispersal of spilt 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-SBP-SET1c	Avoid dispersal of spilt 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-SBP-SET2a Vector	Avoid dispersal of spilt 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-SBP-SET2b	Avoid dispersal of spilt 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-SBP-SET2c	Avoid dispersal of spilt 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-SBP-SET3a Vector	Avoid dispersal of spilt 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-SBP-SET3b Vector	Avoid dispersal of spilt 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-SBP-SET3c	Avoid dispersal of spilt 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).

6.3 Methods and material for containment and cleaning up

SECTION 6: Accidental release measures

Methods for cleaning up	:	pBEn-SBP-SET1a 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-SBP-SET1b 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-SBP-SET1c	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-SBP-SET2a 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-SBP-SET2b	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-SBP-SET2c	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-SBP-SET3a 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-SBP-SET3b 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-SBP-SET3c	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.

6.4 Reference to other sections : See Section 1 for emergency contact information.
See Section 8 for information on appropriate personal protective equipment.
See Section 13 for additional waste treatment information.

SECTION 7: Handling and storage**7.1 Precautions for safe handling**

Protective measures	:	pBEn-SBP-SET1a Vector	Put on appropriate personal protective equipment (see Section 8).
		pBEn-SBP-SET1b Vector	Put on appropriate personal protective equipment (see Section 8).
		pBEn-SBP-SET1c	Put on appropriate personal protective equipment (see Section 8).
		pBEn-SBP-SET2a Vector	Put on appropriate personal protective equipment (see Section 8).
		pBEn-SBP-SET2b	Put on appropriate personal protective equipment (see Section 8).
		pBEn-SBP-SET2c	Put on appropriate personal protective equipment (see Section 8).

SECTION 7: Handling and storage

		Section 8).
	pBEn-SBP-SET3a Vector	Put on appropriate personal protective equipment (see Section 8).
	pBEn-SBP-SET3b Vector	Put on appropriate personal protective equipment (see Section 8).
	pBEn-SBP-SET3c	Put on appropriate personal protective equipment (see Section 8).
Advice on general occupational hygiene	: pBEn-SBP-SET1a Vector	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. See also Section 8 for additional information on hygiene measures.
	pBEn-SBP-SET1b Vector	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. See also Section 8 for additional information on hygiene measures.
	pBEn-SBP-SET1c	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. See also Section 8 for additional information on hygiene measures.
	pBEn-SBP-SET2a Vector	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. See also Section 8 for additional information on hygiene measures.
	pBEn-SBP-SET2b	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. See also Section 8 for additional information on hygiene measures.
	pBEn-SBP-SET2c	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. See also Section 8 for additional information on hygiene measures.
	pBEn-SBP-SET3a Vector	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. See also Section 8 for additional information on hygiene measures.
	pBEn-SBP-SET3b Vector	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. See also Section 8 for additional information on hygiene measures.
	pBEn-SBP-SET3c	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. See also Section 8 for additional information on hygiene measures.

7.2 Conditions for safe storage, including any incompatibilities

SECTION 7: Handling and storage

Storage	: pBEn-SBP-SET1a 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 unlabelled containers. Use appropriate containment to avoid environmental contamination.
	pBEn-SBP-SET1b 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 unlabelled containers. Use appropriate containment to avoid environmental contamination.
	pBEn-SBP-SET1c	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 unlabelled containers. Use appropriate containment to avoid environmental contamination.
	pBEn-SBP-SET2a 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 unlabelled containers. Use appropriate containment to avoid environmental contamination.
	pBEn-SBP-SET2b	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 unlabelled containers. Use appropriate containment to avoid environmental contamination.
	pBEn-SBP-SET2c	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 unlabelled containers. Use appropriate containment to avoid environmental contamination.
	pBEn-SBP-SET3a 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 unlabelled containers. Use appropriate containment to avoid environmental contamination.
	pBEn-SBP-SET3b Vector	Store in accordance with local regulations. Store in original

SECTION 7: Handling and storage

	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 unlabelled containers. Use appropriate containment to avoid environmental contamination.
pBEn-SBP-SET3c	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 unlabelled containers. Use appropriate containment to avoid environmental contamination.

7.3 Specific end use(s)

Recommendations	:	pBEn-SBP-SET1a Vector	Industrial applications, Professional applications.
		pBEn-SBP-SET1b Vector	Industrial applications, Professional applications.
		pBEn-SBP-SET1c	Industrial applications, Professional applications.
		pBEn-SBP-SET2a Vector	Industrial applications, Professional applications.
		pBEn-SBP-SET2b	Industrial applications, Professional applications.
		pBEn-SBP-SET2c	Industrial applications, Professional applications.
		pBEn-SBP-SET3a Vector	Industrial applications, Professional applications.
		pBEn-SBP-SET3b Vector	Industrial applications, Professional applications.
		pBEn-SBP-SET3c	Industrial applications, Professional applications.
Industrial sector specific solutions	:	pBEn-SBP-SET1a Vector	Not applicable.
		pBEn-SBP-SET1b Vector	Not applicable.
		pBEn-SBP-SET1c	Not applicable.
		pBEn-SBP-SET2a Vector	Not applicable.
		pBEn-SBP-SET2b	Not applicable.
		pBEn-SBP-SET2c	Not applicable.
		pBEn-SBP-SET3a Vector	Not applicable.
		pBEn-SBP-SET3b Vector	Not applicable.
		pBEn-SBP-SET3c	Not applicable.

SECTION 8: Exposure controls/personal protection

8.1 Control parameters

Occupational exposure limits

No exposure limit value known.

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. Reference should be made to monitoring standards, such as the following: European Standard EN 689 (Workplace atmospheres - Guidance for the assessment of exposure by inhalation to chemical agents for comparison with limit values and measurement strategy) European Standard EN 14042 (Workplace atmospheres - Guide for the application and use of procedures for the assessment of exposure to chemical and biological agents) European Standard EN 482 (Workplace atmospheres - General requirements for the performance of procedures for the measurement of chemical agents) Reference to national guidance documents for methods for the determination of hazardous substances will also be required.

DNELs/DMELs

No DNELs/DMELs available.

PNECs

No PNECs available

SECTION 8: Exposure controls/personal protection

8.2 Exposure controls

Appropriate engineering controls : Good general ventilation should be sufficient to control worker exposure to airborne contaminants.

Individual protection measures

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.

Eye/face protection : 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, gases or dusts. If contact is possible, the following protection should be worn, unless the assessment indicates a higher degree of protection: safety glasses with side-shields.

Skin protection

Hand protection : 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.

Body protection : 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.

Other skin protection : Appropriate footwear and any additional skin protection measures should be selected based on the task being performed and the risks involved and should be approved by a specialist before handling this product.

Respiratory protection : Based on the hazard and potential for exposure, select a respirator that meets the appropriate standard or certification. Respirators must be used according to a respiratory protection program to ensure proper fitting, training, and other important aspects of use.

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.

SECTION 9: Physical and chemical properties

9.1 Information on basic physical and chemical properties

Appearance

Physical state :

pBEn-SBP-SET1a Vector	Liquid.
pBEn-SBP-SET1b Vector	Liquid.
pBEn-SBP-SET1c Vector	Liquid.
pBEn-SBP-SET2a Vector	Liquid.
pBEn-SBP-SET2b Vector	Liquid.
pBEn-SBP-SET2c Vector	Liquid.
pBEn-SBP-SET3a Vector	Liquid.
pBEn-SBP-SET3b Vector	Liquid.
pBEn-SBP-SET3c Vector	Liquid.

Colour :

pBEn-SBP-SET1a Vector	Not available.
pBEn-SBP-SET1b Vector	Not available.
pBEn-SBP-SET1c Vector	Not available.
pBEn-SBP-SET2a Vector	Not available.
pBEn-SBP-SET2b Vector	Not available.
pBEn-SBP-SET2c Vector	Not available.

SECTION 9: Physical and chemical properties

		pBEn-SBP-SET3a Vector	Not available.
		pBEn-SBP-SET3b Vector	Not available.
		pBEn-SBP-SET3c Vector	Not available.
Odour	:	pBEn-SBP-SET1a Vector	Not available.
		pBEn-SBP-SET1b Vector	Not available.
		pBEn-SBP-SET1c Vector	Not available.
		pBEn-SBP-SET2a Vector	Not available.
		pBEn-SBP-SET2b Vector	Not available.
		pBEn-SBP-SET2c Vector	Not available.
		pBEn-SBP-SET3a Vector	Not available.
		pBEn-SBP-SET3b Vector	Not available.
		pBEn-SBP-SET3c Vector	Not available.
Odour threshold	:	pBEn-SBP-SET1a Vector	Not available.
		pBEn-SBP-SET1b Vector	Not available.
		pBEn-SBP-SET1c Vector	Not available.
		pBEn-SBP-SET2a Vector	Not available.
		pBEn-SBP-SET2b Vector	Not available.
		pBEn-SBP-SET2c Vector	Not available.
		pBEn-SBP-SET3a Vector	Not available.
		pBEn-SBP-SET3b Vector	Not available.
		pBEn-SBP-SET3c Vector	Not available.
pH	:	pBEn-SBP-SET1a Vector	7.5
		pBEn-SBP-SET1b Vector	7.5
		pBEn-SBP-SET1c Vector	7.5
		pBEn-SBP-SET2a Vector	7.5
		pBEn-SBP-SET2b Vector	7.5
		pBEn-SBP-SET2c Vector	7.5
		pBEn-SBP-SET3a Vector	7.5
		pBEn-SBP-SET3b Vector	7.5
		pBEn-SBP-SET3c Vector	7.5
Melting point/freezing point	:	pBEn-SBP-SET1a Vector	0°C
		pBEn-SBP-SET1b Vector	0°C
		pBEn-SBP-SET1c Vector	0°C
		pBEn-SBP-SET2a Vector	0°C
		pBEn-SBP-SET2b Vector	0°C
		pBEn-SBP-SET2c Vector	0°C
		pBEn-SBP-SET3a Vector	0°C
		pBEn-SBP-SET3b Vector	0°C
		pBEn-SBP-SET3c Vector	0°C

SECTION 9: Physical and chemical properties

Initial boiling point and boiling range	: pBEn-SBP-SET1a	100°C
	Vector	
	pBEn-SBP-SET1b	100°C
	Vector	
	pBEn-SBP-SET1c	100°C
	pBEn-SBP-SET2a	100°C
	Vector	
	pBEn-SBP-SET2b	100°C
	pBEn-SBP-SET2c	100°C
	pBEn-SBP-SET3a	100°C
	Vector	
	pBEn-SBP-SET3b	100°C
	Vector	
Flash point	: pBEn-SBP-SET1a	Not available.
	Vector	
	pBEn-SBP-SET1b	Not available.
	Vector	
	pBEn-SBP-SET1c	Not available.
	pBEn-SBP-SET2a	Not available.
	Vector	
	pBEn-SBP-SET2b	Not available.
	pBEn-SBP-SET2c	Not available.
	pBEn-SBP-SET3a	Not available.
	Vector	
	pBEn-SBP-SET3b	Not available.
	Vector	
Evaporation rate	: pBEn-SBP-SET1a	Not available.
	Vector	
	pBEn-SBP-SET1b	Not available.
	Vector	
	pBEn-SBP-SET1c	Not available.
	pBEn-SBP-SET2a	Not available.
	Vector	
	pBEn-SBP-SET2b	Not available.
	pBEn-SBP-SET2c	Not available.
	pBEn-SBP-SET3a	Not available.
	Vector	
	pBEn-SBP-SET3b	Not available.
	Vector	
Flammability (solid, gas)	: pBEn-SBP-SET1a	Not applicable.
	Vector	
	pBEn-SBP-SET1b	Not applicable.
	Vector	
	pBEn-SBP-SET1c	Not applicable.
	pBEn-SBP-SET2a	Not applicable.
	Vector	
	pBEn-SBP-SET2b	Not applicable.
	pBEn-SBP-SET2c	Not applicable.
	pBEn-SBP-SET3a	Not applicable.
	Vector	
	pBEn-SBP-SET3b	Not applicable.
	Vector	
Upper/lower flammability or explosive limits	: pBEn-SBP-SET1a	Not available.
	Vector	
	pBEn-SBP-SET1b	Not available.
	Vector	
	pBEn-SBP-SET1c	Not available.
pBEn-SBP-SET2a	Not available.	
Vector		

SECTION 9: Physical and chemical properties

	pBEn-SBP-SET2b	Not available.
	pBEn-SBP-SET2c	Not available.
	pBEn-SBP-SET3a Vector	Not available.
	pBEn-SBP-SET3b Vector	Not available.
	pBEn-SBP-SET3c	Not available.
Vapour pressure	: pBEn-SBP-SET1a Vector	Not available.
	pBEn-SBP-SET1b Vector	Not available.
	pBEn-SBP-SET1c	Not available.
	pBEn-SBP-SET2a Vector	Not available.
	pBEn-SBP-SET2b	Not available.
	pBEn-SBP-SET2c	Not available.
	pBEn-SBP-SET3a Vector	Not available.
	pBEn-SBP-SET3b Vector	Not available.
	pBEn-SBP-SET3c	Not available.
Vapour density	: pBEn-SBP-SET1a Vector	Not available.
	pBEn-SBP-SET1b Vector	Not available.
	pBEn-SBP-SET1c	Not available.
	pBEn-SBP-SET2a Vector	Not available.
	pBEn-SBP-SET2b	Not available.
	pBEn-SBP-SET2c	Not available.
	pBEn-SBP-SET3a Vector	Not available.
	pBEn-SBP-SET3b Vector	Not available.
	pBEn-SBP-SET3c	Not available.
Relative density	: pBEn-SBP-SET1a Vector	Not available.
	pBEn-SBP-SET1b Vector	Not available.
	pBEn-SBP-SET1c	Not available.
	pBEn-SBP-SET2a Vector	Not available.
	pBEn-SBP-SET2b	Not available.
	pBEn-SBP-SET2c	Not available.
	pBEn-SBP-SET3a Vector	Not available.
	pBEn-SBP-SET3b Vector	Not available.
	pBEn-SBP-SET3c	Not available.
Solubility(ies)	: pBEn-SBP-SET1a Vector	Easily soluble in the following materials: cold water and hot water.
	pBEn-SBP-SET1b Vector	Easily soluble in the following materials: cold water and hot water.
	pBEn-SBP-SET1c	Easily soluble in the following materials: cold water and hot water.
	pBEn-SBP-SET2a Vector	Easily soluble in the following materials: cold water and hot water.
	pBEn-SBP-SET2b	Easily soluble in the following materials: cold water and hot water.
	pBEn-SBP-SET2c	Easily soluble in the following materials: cold water and hot water.
	pBEn-SBP-SET3a Vector	Easily soluble in the following materials: cold water and hot water.

SECTION 9: Physical and chemical properties

	pBEn-SBP-SET3b Vector	Easily soluble in the following materials: cold water and hot water.
	pBEn-SBP-SET3c	Easily soluble in the following materials: cold water and hot water.
Partition coefficient: n-octanol/water	: pBEn-SBP-SET1a Vector	Not available.
	pBEn-SBP-SET1b Vector	Not available.
	pBEn-SBP-SET1c	Not available.
	pBEn-SBP-SET2a Vector	Not available.
	pBEn-SBP-SET2b	Not available.
	pBEn-SBP-SET2c	Not available.
	pBEn-SBP-SET3a Vector	Not available.
	pBEn-SBP-SET3b Vector	Not available.
	pBEn-SBP-SET3c	Not available.
Auto-ignition temperature	: pBEn-SBP-SET1a Vector	Not available.
	pBEn-SBP-SET1b Vector	Not available.
	pBEn-SBP-SET1c	Not available.
	pBEn-SBP-SET2a Vector	Not available.
	pBEn-SBP-SET2b	Not available.
	pBEn-SBP-SET2c	Not available.
	pBEn-SBP-SET3a Vector	Not available.
	pBEn-SBP-SET3b Vector	Not available.
	pBEn-SBP-SET3c	Not available.
Decomposition temperature	: pBEn-SBP-SET1a Vector	Not available.
	pBEn-SBP-SET1b Vector	Not available.
	pBEn-SBP-SET1c	Not available.
	pBEn-SBP-SET2a Vector	Not available.
	pBEn-SBP-SET2b	Not available.
	pBEn-SBP-SET2c	Not available.
	pBEn-SBP-SET3a Vector	Not available.
	pBEn-SBP-SET3b Vector	Not available.
	pBEn-SBP-SET3c	Not available.
Viscosity	: pBEn-SBP-SET1a Vector	Not available.
	pBEn-SBP-SET1b Vector	Not available.
	pBEn-SBP-SET1c	Not available.
	pBEn-SBP-SET2a Vector	Not available.
	pBEn-SBP-SET2b	Not available.
	pBEn-SBP-SET2c	Not available.
	pBEn-SBP-SET3a Vector	Not available.
	pBEn-SBP-SET3b Vector	Not available.
	pBEn-SBP-SET3c	Not available.

SECTION 9: Physical and chemical properties

Explosive properties	:	pBEn-SBP-SET1a Vector	Not available.	
		pBEn-SBP-SET1b Vector	Not available.	
		pBEn-SBP-SET1c	Not available.	
		pBEn-SBP-SET2a Vector	Not available.	
		pBEn-SBP-SET2b	Not available.	
		pBEn-SBP-SET2c	Not available.	
		pBEn-SBP-SET3a Vector	Not available.	
		pBEn-SBP-SET3b Vector	Not available.	
		pBEn-SBP-SET3c	Not available.	
	Oxidising properties	:	pBEn-SBP-SET1a Vector	Not available.
			pBEn-SBP-SET1b Vector	Not available.
			pBEn-SBP-SET1c	Not available.
			pBEn-SBP-SET2a Vector	Not available.
		pBEn-SBP-SET2b	Not available.	
		pBEn-SBP-SET2c	Not available.	
		pBEn-SBP-SET3a Vector	Not available.	
		pBEn-SBP-SET3b Vector	Not available.	
		pBEn-SBP-SET3c	Not available.	

9.2 Other information

No additional information.

SECTION 10: Stability and reactivity

10.1 Reactivity	:	pBEn-SBP-SET1a Vector	No specific test data related to reactivity available for this product or its ingredients.
		pBEn-SBP-SET1b Vector	No specific test data related to reactivity available for this product or its ingredients.
		pBEn-SBP-SET1c	No specific test data related to reactivity available for this product or its ingredients.
		pBEn-SBP-SET2a Vector	No specific test data related to reactivity available for this product or its ingredients.
		pBEn-SBP-SET2b	No specific test data related to reactivity available for this product or its ingredients.
		pBEn-SBP-SET2c	No specific test data related to reactivity available for this product or its ingredients.
		pBEn-SBP-SET3a Vector	No specific test data related to reactivity available for this product or its ingredients.
		pBEn-SBP-SET3b Vector	No specific test data related to reactivity available for this product or its ingredients.
		pBEn-SBP-SET3c	No specific test data related to reactivity available for this product or its ingredients.
10.2 Chemical stability	:	pBEn-SBP-SET1a Vector	The product is stable.
		pBEn-SBP-SET1b Vector	The product is stable.
		pBEn-SBP-SET1c	The product is stable.
		pBEn-SBP-SET2a Vector	The product is stable.
		pBEn-SBP-SET2b	The product is stable.
		pBEn-SBP-SET2c	The product is stable.
		pBEn-SBP-SET3a Vector	The product is stable.
	pBEn-SBP-SET3b Vector	The product is stable.	
	pBEn-SBP-SET3c	The product is stable.	

SECTION 10: Stability and reactivity

10.3 Possibility of hazardous reactions	:	pBEn-SBP-SET1a Vector	Under normal conditions of storage and use, hazardous reactions will not occur.
		pBEn-SBP-SET1b Vector	Under normal conditions of storage and use, hazardous reactions will not occur.
		pBEn-SBP-SET1c	Under normal conditions of storage and use, hazardous reactions will not occur.
		pBEn-SBP-SET2a Vector	Under normal conditions of storage and use, hazardous reactions will not occur.
		pBEn-SBP-SET2b	Under normal conditions of storage and use, hazardous reactions will not occur.
		pBEn-SBP-SET2c	Under normal conditions of storage and use, hazardous reactions will not occur.
		pBEn-SBP-SET3a Vector	Under normal conditions of storage and use, hazardous reactions will not occur.
		pBEn-SBP-SET3b Vector	Under normal conditions of storage and use, hazardous reactions will not occur.
		pBEn-SBP-SET3c	Under normal conditions of storage and use, hazardous reactions will not occur.

10.4 Conditions to avoid	:	pBEn-SBP-SET1a Vector	No specific data.
		pBEn-SBP-SET1b Vector	No specific data.
		pBEn-SBP-SET1c	No specific data.
		pBEn-SBP-SET2a Vector	No specific data.
		pBEn-SBP-SET2b	No specific data.
		pBEn-SBP-SET2c	No specific data.
		pBEn-SBP-SET3a Vector	No specific data.
		pBEn-SBP-SET3b Vector	No specific data.
		pBEn-SBP-SET3c	No specific data.

10.5 Incompatible materials	:	pBEn-SBP-SET1a Vector	May react or be incompatible with oxidising materials.
		pBEn-SBP-SET1b Vector	May react or be incompatible with oxidising materials.
		pBEn-SBP-SET1c	May react or be incompatible with oxidising materials.
		pBEn-SBP-SET2a Vector	May react or be incompatible with oxidising materials.
		pBEn-SBP-SET2b	May react or be incompatible with oxidising materials.
		pBEn-SBP-SET2c	May react or be incompatible with oxidising materials.
		pBEn-SBP-SET3a Vector	May react or be incompatible with oxidising materials.
		pBEn-SBP-SET3b Vector	May react or be incompatible with oxidising materials.
		pBEn-SBP-SET3c	May react or be incompatible with oxidising materials.

10.6 Hazardous decomposition products	:	pBEn-SBP-SET1a Vector	Under normal conditions of storage and use, hazardous decomposition products should not be produced.
		pBEn-SBP-SET1b Vector	Under normal conditions of storage and use, hazardous decomposition products should not be produced.
		pBEn-SBP-SET1c	Under normal conditions of storage and use, hazardous decomposition products should not be produced.
		pBEn-SBP-SET2a Vector	Under normal conditions of storage and use, hazardous decomposition products should not be produced.
		pBEn-SBP-SET2b	Under normal conditions of storage and use, hazardous decomposition products should not be produced.
		pBEn-SBP-SET2c	Under normal conditions of storage and use, hazardous decomposition products should not be produced.
		pBEn-SBP-SET3a Vector	Under normal conditions of storage and use, hazardous decomposition products should not be produced.
		pBEn-SBP-SET3b Vector	Under normal conditions of storage and use, hazardous decomposition products should not be produced.
		pBEn-SBP-SET3c	Under normal conditions of storage and use, hazardous decomposition products should not be produced.

SECTION 11: Toxicological information**11.1 Information on toxicological effects****Acute toxicity**

Not available.

Acute toxicity estimates

Not available.

Irritation/Corrosion**Conclusion/Summary** : Not available.**Sensitiser****Conclusion/Summary** : Not available.**Specific target organ toxicity (single exposure)**

Not available.

Specific target organ toxicity (repeated exposure)

Not available.

Aspiration hazard

Not available.

Information on likely routes of exposure

: pBEn-SBP-SET1a Vector Not available.
 pBEn-SBP-SET1b Vector Not available.
 pBEn-SBP-SET1c Not available.
 pBEn-SBP-SET2a Vector Not available.
 pBEn-SBP-SET2b Not available.
 pBEn-SBP-SET2c Not available.
 pBEn-SBP-SET3a Vector Not available.
 pBEn-SBP-SET3b Vector Not available.
 pBEn-SBP-SET3c Not available.

Potential acute health effects**Inhalation**

: pBEn-SBP-SET1a Vector No known significant effects or critical hazards.
 pBEn-SBP-SET1b Vector No known significant effects or critical hazards.
 pBEn-SBP-SET1c No known significant effects or critical hazards.
 pBEn-SBP-SET2a Vector No known significant effects or critical hazards.
 pBEn-SBP-SET2b No known significant effects or critical hazards.
 pBEn-SBP-SET2c No known significant effects or critical hazards.
 pBEn-SBP-SET3a Vector No known significant effects or critical hazards.
 pBEn-SBP-SET3b Vector No known significant effects or critical hazards.
 pBEn-SBP-SET3c No known significant effects or critical hazards.

Ingestion

: pBEn-SBP-SET1a Vector No known significant effects or critical hazards.
 pBEn-SBP-SET1b Vector No known significant effects or critical hazards.
 pBEn-SBP-SET1c No known significant effects or critical hazards.
 pBEn-SBP-SET2a Vector No known significant effects or critical hazards.
 pBEn-SBP-SET2b No known significant effects or critical hazards.
 pBEn-SBP-SET2c No known significant effects or critical hazards.
 pBEn-SBP-SET3a Vector No known significant effects or critical hazards.
 pBEn-SBP-SET3b Vector No known significant effects or critical hazards.
 pBEn-SBP-SET3c No known significant effects or critical hazards.

Skin contact

: pBEn-SBP-SET1a Vector No known significant effects or critical hazards.
 pBEn-SBP-SET1b Vector No known significant effects or critical hazards.
 pBEn-SBP-SET1c No known significant effects or critical hazards.
 pBEn-SBP-SET2a Vector No known significant effects or critical hazards.
 pBEn-SBP-SET2b No known significant effects or critical hazards.
 pBEn-SBP-SET2c No known significant effects or critical hazards.
 pBEn-SBP-SET3a Vector No known significant effects or critical hazards.
 pBEn-SBP-SET3b Vector No known significant effects or critical hazards.
 pBEn-SBP-SET3c No known significant effects or critical hazards.

SECTION 11: Toxicological information

Eye contact	:	pBEn-SBP-SET1a Vector	No known significant effects or critical hazards.
		pBEn-SBP-SET1b Vector	No known significant effects or critical hazards.
		pBEn-SBP-SET1c	No known significant effects or critical hazards.
		pBEn-SBP-SET2a Vector	No known significant effects or critical hazards.
		pBEn-SBP-SET2b	No known significant effects or critical hazards.
		pBEn-SBP-SET2c	No known significant effects or critical hazards.
		pBEn-SBP-SET3a Vector	No known significant effects or critical hazards.
		pBEn-SBP-SET3b Vector	No known significant effects or critical hazards.
		pBEn-SBP-SET3c	No known significant effects or critical hazards.

Symptoms related to the physical, chemical and toxicological characteristics

Inhalation	:	pBEn-SBP-SET1a Vector	No specific data.
		pBEn-SBP-SET1b Vector	No specific data.
		pBEn-SBP-SET1c	No specific data.
		pBEn-SBP-SET2a Vector	No specific data.
		pBEn-SBP-SET2b	No specific data.
		pBEn-SBP-SET2c	No specific data.
		pBEn-SBP-SET3a Vector	No specific data.
		pBEn-SBP-SET3b Vector	No specific data.
		pBEn-SBP-SET3c	No specific data.

Ingestion	:	pBEn-SBP-SET1a Vector	No specific data.
		pBEn-SBP-SET1b Vector	No specific data.
		pBEn-SBP-SET1c	No specific data.
		pBEn-SBP-SET2a Vector	No specific data.
		pBEn-SBP-SET2b	No specific data.
		pBEn-SBP-SET2c	No specific data.
		pBEn-SBP-SET3a Vector	No specific data.
		pBEn-SBP-SET3b Vector	No specific data.
		pBEn-SBP-SET3c	No specific data.

Skin contact	:	pBEn-SBP-SET1a Vector	No specific data.
		pBEn-SBP-SET1b Vector	No specific data.
		pBEn-SBP-SET1c	No specific data.
		pBEn-SBP-SET2a Vector	No specific data.
		pBEn-SBP-SET2b	No specific data.
		pBEn-SBP-SET2c	No specific data.
		pBEn-SBP-SET3a Vector	No specific data.
		pBEn-SBP-SET3b Vector	No specific data.
		pBEn-SBP-SET3c	No specific data.

Eye contact	:	pBEn-SBP-SET1a Vector	No specific data.
		pBEn-SBP-SET1b Vector	No specific data.
		pBEn-SBP-SET1c	No specific data.
		pBEn-SBP-SET2a Vector	No specific data.
		pBEn-SBP-SET2b	No specific data.
		pBEn-SBP-SET2c	No specific data.
		pBEn-SBP-SET3a Vector	No specific data.
		pBEn-SBP-SET3b Vector	No specific data.
		pBEn-SBP-SET3c	No specific data.

Delayed and immediate effects as well as chronic effects from short and long-term exposure**Short term exposure**

Potential immediate effects : Not available.

Potential delayed effects : Not available.

Long term exposure

Potential immediate effects : Not available.

Potential delayed effects : Not available.

Potential chronic health effects

SECTION 11: Toxicological information

General	:	pBEn-SBP-SET1a Vector	No known significant effects or critical hazards.
		pBEn-SBP-SET1b Vector	No known significant effects or critical hazards.
		pBEn-SBP-SET1c	No known significant effects or critical hazards.
		pBEn-SBP-SET2a Vector	No known significant effects or critical hazards.
		pBEn-SBP-SET2b	No known significant effects or critical hazards.
		pBEn-SBP-SET2c	No known significant effects or critical hazards.
		pBEn-SBP-SET3a Vector	No known significant effects or critical hazards.
		pBEn-SBP-SET3b Vector	No known significant effects or critical hazards.
		pBEn-SBP-SET3c	No known significant effects or critical hazards.
Carcinogenicity	:	pBEn-SBP-SET1a Vector	No known significant effects or critical hazards.
		pBEn-SBP-SET1b Vector	No known significant effects or critical hazards.
		pBEn-SBP-SET1c	No known significant effects or critical hazards.
		pBEn-SBP-SET2a Vector	No known significant effects or critical hazards.
		pBEn-SBP-SET2b	No known significant effects or critical hazards.
		pBEn-SBP-SET2c	No known significant effects or critical hazards.
		pBEn-SBP-SET3a Vector	No known significant effects or critical hazards.
		pBEn-SBP-SET3b Vector	No known significant effects or critical hazards.
		pBEn-SBP-SET3c	No known significant effects or critical hazards.
Mutagenicity	:	pBEn-SBP-SET1a Vector	No known significant effects or critical hazards.
		pBEn-SBP-SET1b Vector	No known significant effects or critical hazards.
		pBEn-SBP-SET1c	No known significant effects or critical hazards.
		pBEn-SBP-SET2a Vector	No known significant effects or critical hazards.
		pBEn-SBP-SET2b	No known significant effects or critical hazards.
		pBEn-SBP-SET2c	No known significant effects or critical hazards.
		pBEn-SBP-SET3a Vector	No known significant effects or critical hazards.
		pBEn-SBP-SET3b Vector	No known significant effects or critical hazards.
		pBEn-SBP-SET3c	No known significant effects or critical hazards.
Teratogenicity	:	pBEn-SBP-SET1a Vector	No known significant effects or critical hazards.
		pBEn-SBP-SET1b Vector	No known significant effects or critical hazards.
		pBEn-SBP-SET1c	No known significant effects or critical hazards.
		pBEn-SBP-SET2a Vector	No known significant effects or critical hazards.
		pBEn-SBP-SET2b	No known significant effects or critical hazards.
		pBEn-SBP-SET2c	No known significant effects or critical hazards.
		pBEn-SBP-SET3a Vector	No known significant effects or critical hazards.
		pBEn-SBP-SET3b Vector	No known significant effects or critical hazards.
		pBEn-SBP-SET3c	No known significant effects or critical hazards.
Developmental effects	:	pBEn-SBP-SET1a Vector	No known significant effects or critical hazards.
		pBEn-SBP-SET1b Vector	No known significant effects or critical hazards.
		pBEn-SBP-SET1c	No known significant effects or critical hazards.
		pBEn-SBP-SET2a Vector	No known significant effects or critical hazards.
		pBEn-SBP-SET2b	No known significant effects or critical hazards.
		pBEn-SBP-SET2c	No known significant effects or critical hazards.
		pBEn-SBP-SET3a Vector	No known significant effects or critical hazards.
		pBEn-SBP-SET3b Vector	No known significant effects or critical hazards.
		pBEn-SBP-SET3c	No known significant effects or critical hazards.
Fertility effects	:	pBEn-SBP-SET1a Vector	No known significant effects or critical hazards.
		pBEn-SBP-SET1b Vector	No known significant effects or critical hazards.
		pBEn-SBP-SET1c	No known significant effects or critical hazards.
		pBEn-SBP-SET2a Vector	No known significant effects or critical hazards.
		pBEn-SBP-SET2b	No known significant effects or critical hazards.
		pBEn-SBP-SET2c	No known significant effects or critical hazards.
		pBEn-SBP-SET3a Vector	No known significant effects or critical hazards.
		pBEn-SBP-SET3b Vector	No known significant effects or critical hazards.
		pBEn-SBP-SET3c	No known significant effects or critical hazards.

SECTION 12: Ecological information

12.1 Toxicity

Conclusion/Summary : Not available.

12.2 Persistence and degradability

Not available.

12.3 Bioaccumulative potential

Not available.

12.4 Mobility in soil

Soil/water partition coefficient (K_{oc}) : Not available.

Mobility : Not available.

12.5 Results of PBT and vPvB assessment

PBT : Not applicable.

vPvB : Not applicable.

12.6 Other adverse effects : No known significant effects or critical hazards.

SECTION 13: Disposal considerations

13.1 Waste treatment methods

Product

Methods of disposal : The generation of waste should be avoided or minimised wherever possible. 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. Dispose of surplus and non-recyclable products via a licensed waste disposal contractor. Waste should not be disposed of untreated to the sewer unless fully compliant with the requirements of all authorities with jurisdiction.

Hazardous waste : Within the present knowledge of the supplier, this product is not regarded as hazardous waste, as defined by EU Directive 2008/98/EC.

Packaging

Methods of disposal : The generation of waste should be avoided or minimised wherever possible. Waste packaging should be recycled. Incineration or landfill should only be considered when recycling is not feasible.

Special precautions : 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 spilt material and runoff and contact with soil, waterways, drains and sewers.

SECTION 14: Transport information

Regulatory information

ADR/RID / IMDG / IATA : Not regulated.

14.6 Special precautions for user : **Transport within user's premises:** always transport in closed containers that are upright and secure. Ensure that persons transporting the product know what to do in the event of an accident or spillage.

14.7 Transport in bulk according to Annex II of Marpol and the IBC Code : Not available.

SECTION 15: Regulatory information

15.1 Safety, health and environmental regulations/legislation specific for the substance or mixture

EU Regulation (EC) No. 1907/2006 (REACH)

Annex XIV - List of substances subject to authorisation

Annex XIV

None of the components are listed.

Substances of very high concern

None of the components are listed.

Annex XVII - Restrictions on the manufacture, placing on the market and use of certain dangerous substances, mixtures and articles	: pBEn-SBP-SET1a Vector	Not applicable.
	pBEn-SBP-SET1b Vector	Not applicable.
	pBEn-SBP-SET1c	Not applicable.
	pBEn-SBP-SET2a Vector	Not applicable.
	pBEn-SBP-SET2b	Not applicable.
	pBEn-SBP-SET2c	Not applicable.
	pBEn-SBP-SET3a Vector	Not applicable.
	pBEn-SBP-SET3b Vector	Not applicable.
	pBEn-SBP-SET3c	Not applicable.

Other EU regulations

Europe inventory : All components are listed or exempted.

Ozone depleting substances (1005/2009/EU)

Not listed.

Prior Informed Consent (PIC) (649/2012/EU)

Not listed.

Seveso Directive

This product is not controlled under the Seveso Directive.

International regulations

Chemical Weapon Convention List Schedules I, II & III Chemicals

Not listed.

Montreal Protocol (Annexes A, B, C, E)

Not listed.

Stockholm Convention on Persistent Organic Pollutants

Not listed.

Rotterdam Convention on Prior Informed Consent (PIC)

Not listed.

UNECE Aarhus Protocol on POPs and Heavy Metals

Not listed.

International lists

National inventory

Australia	: All components are listed or exempted.
Canada	: All components are listed or exempted.
China	: All components are listed or exempted.
Japan	: Japan inventory (ENCS) : All components are listed or exempted. Japan inventory (ISHL) : All components are listed or exempted.
Malaysia	: Not determined.
New Zealand	: All components are listed or exempted.
Philippines	: All components are listed or exempted.
Republic of Korea	: All components are listed or exempted.
Taiwan	: All components are listed or exempted.
Turkey	: Not determined.
United States	: All components are listed or exempted.

SECTION 15: Regulatory information

15.2 Chemical safety assessment : This product contains substances for which Chemical Safety Assessments might still be required.

SECTION 16: Other information

✔ Indicates information that has changed from previously issued version.

Abbreviations and acronyms : ATE = Acute Toxicity Estimate
 CLP = Classification, Labelling and Packaging Regulation [Regulation (EC) No. 1272/2008]
 DNEL = Derived No Effect Level
 EUH statement = CLP-specific Hazard statement
 PNEC = Predicted No Effect Concentration
 RRN = REACH Registration Number

Procedure used to derive the classification according to Regulation (EC) No. 1272/2008 [CLP/GHS]

Classification	Justification
Not classified.	

Full text of abbreviated H statements

Not applicable.

Full text of classifications [CLP/GHS]

Not applicable.

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Notice to reader

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