

SAFETY DATA SHEET



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

Section 1. Identification

Product identifier	: VariFlex N-Terminal SBP-SET Vector Set, Part Number 240164	
Part No. (Chemical 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

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

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)

Supplier/Manufacturer : Agilent Technologies Australia Pty Ltd
679 Springvale Road
Mulgrave
Victoria 3170, Australia
1800 802 402

Emergency telephone number (with hours of operation) : CHEMTREC®: (61)-290372994

Section 2. Hazard(s) identification

Classification of the substance or mixture

Not classified.

GHS 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.

Section 2. Hazard(s) identification

Hazard statements	: pBEn-SBP-SET1a Vector pBEn-SBP-SET1b Vector pBEn-SBP-SET1c pBEn-SBP-SET2a Vector pBEn-SBP-SET2b pBEn-SBP-SET2c pBEn-SBP-SET3a Vector pBEn-SBP-SET3b Vector pBEn-SBP-SET3c	No known significant effects or critical hazards. No known significant effects or critical hazards. No known significant effects or critical hazards. No known significant effects or critical hazards. No known significant effects or critical hazards. No known significant effects or critical hazards. No known significant effects or critical hazards. No known significant effects or critical hazards. No known significant effects or critical hazards.
<u>Precautionary statements</u>		
Prevention	: pBEn-SBP-SET1a Vector pBEn-SBP-SET1b Vector pBEn-SBP-SET1c pBEn-SBP-SET2a Vector pBEn-SBP-SET2b pBEn-SBP-SET2c pBEn-SBP-SET3a Vector pBEn-SBP-SET3b Vector pBEn-SBP-SET3c	Not applicable. Not applicable. Not applicable. Not applicable. Not applicable. Not applicable. Not applicable. Not applicable. Not applicable.
Response	: pBEn-SBP-SET1a Vector pBEn-SBP-SET1b Vector pBEn-SBP-SET1c pBEn-SBP-SET2a Vector pBEn-SBP-SET2b pBEn-SBP-SET2c pBEn-SBP-SET3a Vector pBEn-SBP-SET3b Vector pBEn-SBP-SET3c	Not applicable. Not applicable. Not applicable. Not applicable. Not applicable. Not applicable. Not applicable. Not applicable. Not applicable.
Storage	: pBEn-SBP-SET1a Vector pBEn-SBP-SET1b Vector pBEn-SBP-SET1c pBEn-SBP-SET2a Vector pBEn-SBP-SET2b pBEn-SBP-SET2c pBEn-SBP-SET3a Vector pBEn-SBP-SET3b Vector pBEn-SBP-SET3c	Not applicable. Not applicable. Not applicable. Not applicable. Not applicable. Not applicable. Not applicable. Not applicable. Not applicable.
Disposal	: pBEn-SBP-SET1a Vector pBEn-SBP-SET1b Vector pBEn-SBP-SET1c pBEn-SBP-SET2a Vector pBEn-SBP-SET2b pBEn-SBP-SET2c pBEn-SBP-SET3a Vector pBEn-SBP-SET3b Vector pBEn-SBP-SET3c	Not applicable. Not applicable. Not applicable. Not applicable. Not applicable. Not applicable. Not applicable. Not applicable. Not applicable.
Supplemental label elements	: pBEn-SBP-SET1a Vector pBEn-SBP-SET1b Vector pBEn-SBP-SET1c pBEn-SBP-SET2a Vector pBEn-SBP-SET2b pBEn-SBP-SET2c pBEn-SBP-SET3a Vector pBEn-SBP-SET3b Vector pBEn-SBP-SET3c	Not applicable. Not applicable. Not applicable. Not applicable. Not applicable. Not applicable. Not applicable. Not applicable. Not applicable.

Section 2. Hazard(s) identification

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 and ingredient information

Substance/mixture	: 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

CAS number/other identifiers

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.

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

Section 4. First aid measures

Description of necessary 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

Section 4. First aid measures

	pBEn-SBP-SET3c	medical attention if irritation occurs. 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	Remove victim to fresh air and keep at rest in a position comfortable for breathing. Get medical attention if symptoms occur.
	pBEn-SBP-SET1b Vector	Remove victim to fresh air and keep at rest in a position comfortable for breathing. Get medical attention if symptoms occur.
	pBEn-SBP-SET1c	Remove victim to fresh air and keep at rest in a position comfortable for breathing. Get medical attention if symptoms occur.
	pBEn-SBP-SET2a Vector	Remove victim to fresh air and keep at rest in a position comfortable for breathing. Get medical attention if symptoms occur.
	pBEn-SBP-SET2b	Remove victim to fresh air and keep at rest in a position comfortable for breathing. Get medical attention if symptoms occur.
	pBEn-SBP-SET2c	Remove victim to fresh air and keep at rest in a position comfortable for breathing. Get medical attention if symptoms occur.
	pBEn-SBP-SET3a Vector	Remove victim to fresh air and keep at rest in a position comfortable for breathing. Get medical attention if symptoms occur.
	pBEn-SBP-SET3b Vector	Remove victim to fresh air and keep at rest in a position comfortable for breathing. Get medical attention if symptoms occur.
	pBEn-SBP-SET3c	Remove victim to fresh air and keep at rest in a position comfortable for breathing. 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.

Section 4. First aid measures

Ingestion	: pBEn-SBP-SET1a Vector	Wash out mouth with water. Remove victim to fresh air and keep at rest in a position comfortable for breathing. 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. Remove victim to fresh air and keep at rest in a position comfortable for breathing. 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	Wash out mouth with water. Remove victim to fresh air and keep at rest in a position comfortable for breathing. 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-SET2a Vector	Wash out mouth with water. Remove victim to fresh air and keep at rest in a position comfortable for breathing. 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	Wash out mouth with water. Remove victim to fresh air and keep at rest in a position comfortable for breathing. 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	Wash out mouth with water. Remove victim to fresh air and keep at rest in a position comfortable for breathing. 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. Remove victim to fresh air and keep at rest in a position comfortable for breathing. 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. Remove victim to fresh air and keep at rest in a position comfortable for breathing. 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	Wash out mouth with water. Remove victim to fresh air and keep at rest in a position comfortable for breathing. 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.

Section 4. First aid measures

Most important symptoms/effects, acute and delayed

Potential acute health effects

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

Over-exposure signs/symptoms

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

Section 4. First aid measures

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.
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.

Indication of immediate medical attention and special treatment needed, if necessary

Notes to physician	:	pBEn-SBP-SET1a Vector	Treat symptomatically. Contact poison treatment specialist immediately if large quantities have been ingested or inhaled.
		pBEn-SBP-SET1b Vector	Treat symptomatically. Contact poison treatment specialist immediately if large quantities have been ingested or inhaled.
		pBEn-SBP-SET1c	Treat symptomatically. Contact poison treatment specialist immediately if large quantities have been ingested or inhaled.
		pBEn-SBP-SET2a Vector	Treat symptomatically. Contact poison treatment specialist immediately if large quantities have been ingested or inhaled.
		pBEn-SBP-SET2b	Treat symptomatically. Contact poison treatment specialist immediately if large quantities have been ingested or inhaled.
		pBEn-SBP-SET2c	Treat symptomatically. Contact poison treatment specialist immediately if large quantities have been ingested or inhaled.
		pBEn-SBP-SET3a Vector	Treat symptomatically. Contact poison treatment specialist immediately if large quantities have been ingested or inhaled.
		pBEn-SBP-SET3b Vector	Treat symptomatically. Contact poison treatment specialist immediately if large quantities have been ingested or inhaled.
		pBEn-SBP-SET3c	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 4. First aid measures

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.

See toxicological information (Section 11)

Section 5. Firefighting measures

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.

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.

Specific hazards arising from the chemical	:	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.

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	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 thermal decomposition 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.
Special protective actions 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.
	pBEn-SBP-SET3c	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.
Special protective equipment for fire-fighters	: 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.
	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.

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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.
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.
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.
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.
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.
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.
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.

Section 6. Accidental release measures

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

Section 6. Accidental release measures

		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, 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".

Section 6. Accidental release measures

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).

Methods and material for containment and cleaning up

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

Section 6. Accidental release measures

	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.

Section 7. Handling and storage

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).
		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).

Section 7. Handling and storage

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.

Section 7. Handling and storage

Conditions for safe storage, including any incompatibilities :

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

Section 7. Handling and storage

pBEn-SBP-SET3b Vector	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.
	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.

Section 8. Exposure controls and personal protection

Control parameters

Occupational exposure limits

None.

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

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.
<u>Skin protection</u>	
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.

Section 8. Exposure controls and personal protection

- 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.

Section 9. Physical and chemical properties

Appearance

Physical state	:	pBEn-SBP-SET1a Vector	Liquid.
		pBEn-SBP-SET1b Vector	Liquid.
		pBEn-SBP-SET1c	Liquid.
		pBEn-SBP-SET2a Vector	Liquid.
		pBEn-SBP-SET2b	Liquid.
		pBEn-SBP-SET2c	Liquid.
		pBEn-SBP-SET3a Vector	Liquid.
		pBEn-SBP-SET3b Vector	Liquid.
		pBEn-SBP-SET3c	Liquid.
Colour	:	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.
Odour	:	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.
Odour threshold	:	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.
pH	:	pBEn-SBP-SET1a Vector	7.5
		pBEn-SBP-SET1b Vector	7.5
		pBEn-SBP-SET1c	7.5
		pBEn-SBP-SET2a Vector	7.5
		pBEn-SBP-SET2b	7.5
		pBEn-SBP-SET2c	7.5
		pBEn-SBP-SET3a Vector	7.5
		pBEn-SBP-SET3b Vector	7.5
		pBEn-SBP-SET3c	7.5

Section 9. Physical and chemical properties

Melting point	:	pBEn-SBP-SET1a Vector	0°C (32°F)
		pBEn-SBP-SET1b Vector	0°C (32°F)
		pBEn-SBP-SET1c	0°C (32°F)
		pBEn-SBP-SET2a Vector	0°C (32°F)
		pBEn-SBP-SET2b	0°C (32°F)
		pBEn-SBP-SET2c	0°C (32°F)
		pBEn-SBP-SET3a Vector	0°C (32°F)
		pBEn-SBP-SET3b Vector	0°C (32°F)
		pBEn-SBP-SET3c	0°C (32°F)
Boiling point	:	pBEn-SBP-SET1a Vector	100°C (212°F)
		pBEn-SBP-SET1b Vector	100°C (212°F)
		pBEn-SBP-SET1c	100°C (212°F)
		pBEn-SBP-SET2a Vector	100°C (212°F)
		pBEn-SBP-SET2b	100°C (212°F)
		pBEn-SBP-SET2c	100°C (212°F)
		pBEn-SBP-SET3a Vector	100°C (212°F)
		pBEn-SBP-SET3b Vector	100°C (212°F)
		pBEn-SBP-SET3c	100°C (212°F)
Flash point	:	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.
Evaporation rate	:	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.
Flammability (solid, gas)	:	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.
Lower and upper explosive (flammable) limits	:	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 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.

Section 9. Physical and chemical properties

	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	: 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.
	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.

Section 9. Physical and chemical properties

Viscosity	:	pBEn-SBP-SET3b Vector	Not available.
		pBEn-SBP-SET3c	Not available.
		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 10. Stability and reactivity

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.
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.
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.

Section 10. Stability and reactivity

Conditions to avoid	: pBEn-SBP-SET1a Vector pBEn-SBP-SET1b Vector pBEn-SBP-SET1c pBEn-SBP-SET2a Vector pBEn-SBP-SET2b pBEn-SBP-SET2c pBEn-SBP-SET3a Vector pBEn-SBP-SET3b Vector pBEn-SBP-SET3c	No specific data. No specific data. No specific data. No specific data. No specific data. No specific data. No specific data. No specific data. No specific data. No specific data.
Incompatible materials	: pBEn-SBP-SET1a Vector pBEn-SBP-SET1b Vector pBEn-SBP-SET1c pBEn-SBP-SET2a Vector pBEn-SBP-SET2b pBEn-SBP-SET2c pBEn-SBP-SET3a Vector pBEn-SBP-SET3b Vector pBEn-SBP-SET3c	May react or be incompatible with oxidising materials. May react or be incompatible with oxidising materials. May react or be incompatible with oxidising materials. May react or be incompatible with oxidising materials. May react or be incompatible with oxidising materials. May react or be incompatible with oxidising materials. May react or be incompatible with oxidising materials. May react or be incompatible with oxidising materials. May react or be incompatible with oxidising materials.
Hazardous decomposition products	: pBEn-SBP-SET1a Vector pBEn-SBP-SET1b Vector pBEn-SBP-SET1c pBEn-SBP-SET2a Vector pBEn-SBP-SET2b pBEn-SBP-SET2c pBEn-SBP-SET3a Vector pBEn-SBP-SET3b Vector pBEn-SBP-SET3c	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. 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. 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.

Section 11. Toxicological information

Information on toxicological effects

Acute toxicity

Not available.

Irritation/Corrosion

Not available.

Sensitisation

Not available.

Mutagenicity

Not available.

Section 11. Toxicological information

Carcinogenicity

Not available.

Reproductive toxicity

Not available.

Teratogenicity

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

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.

Section 11. Toxicological information

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.

Symptoms related to the physical, chemical and toxicological characteristics

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.
	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.

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

Not available.

Section 11. Toxicological information

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

Numerical measures of toxicity

Acute toxicity estimates

Not available.

Section 12. Ecological information

Toxicity

Not available.

Persistence and degradability

Not available.

Bioaccumulative potential

Not available.

Mobility in soil

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

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

Section 13. Disposal considerations

Disposal methods : 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. 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 spilt material and runoff and contact with soil, waterways, drains and sewers.

Section 14. Transport information

Regulatory information

ADG / IMDG / IATA : Not regulated as Dangerous Goods according to the ADG Code .

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.

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

Section 15. Regulatory information

Standard Uniform Schedule of Medicine and Poisons

Not regulated.

Model Work Health and Safety Regulations - Scheduled Substances

No listed substance

Australia inventory (AICS) : All components are listed or exempted.

International regulations

Chemical Weapon Convention List Schedules I, II & III Chemicals

Not listed.

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

Not listed.

Section 15. Regulatory information

[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](#)

- Canada** : All components are listed or exempted.
- China** : All components are listed or exempted.
- Europe** : 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 16. Any other relevant information

[History](#)

- Date of issue/Date of revision** : 21/04/2017
- Date of previous issue** : 29/09/2016.
- Version** : 5

[Key to abbreviations](#)

- : ADG = Australian Dangerous Goods
- : ATE = Acute Toxicity Estimate
- : BCF = Bioconcentration Factor
- : GHS = Globally Harmonized System of Classification and Labelling of Chemicals
- : IATA = International Air Transport Association
- : IBC = Intermediate Bulk Container
- : IMDG = International Maritime Dangerous Goods
- : LogPow = logarithm of the octanol/water partition coefficient
- : MARPOL = International Convention for the Prevention of Pollution From Ships, 1973 as modified by the Protocol of 1978. ("Marpol" = marine pollution)
- : NOHSC = National Occupational Health and Safety Commission
- : SUSMP = Standard Uniform Schedule of Medicine and Poisons
- : UN = United Nations

[Procedure used to derive the classification](#)

Classification	Justification
Not classified.	

- References** : Not available.

 Indicates information that has changed from previously issued version.

[Notice to reader](#)

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