

# SAFETY DATA SHEET

Veterinary Drugs Comprehensive Mix - Box 1 of 2, Part Number 5190-0554B

## Section 1. Identification

### 1.1 Product identifier

**Product name** : Veterinary Drugs Comprehensive Mix - Box 1 of 2, Part Number 5190-0554B

**Part no. (chemical kit)** : 5190-0554B

**Part no.** :

Veterinary Drugs Comprehensive Mix - Submix 1	5190-0569
Veterinary Drugs Comprehensive Mix - Submix 2	5190-0570
Veterinary Drugs Comprehensive Mix - Submix 5	5190-0573
Veterinary Drugs Comprehensive Mix - Submix 10	5190-0578
Veterinary Drugs Comprehensive Mix - Submix 3A	5190-0571A
Veterinary Drugs Comprehensive Mix - Submix 3B	5190-0571B

**Validation date** : 4/27/2018

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

**Material uses** :

- Reagents and Standards for Analytical Chemistry Laboratory Use
- Veterinary Drugs Comprehensive Mix - Submix 1 1 ml
- Veterinary Drugs Comprehensive Mix - Submix 2 1 ml
- Veterinary Drugs Comprehensive Mix - Submix 5 1 ml
- Veterinary Drugs Comprehensive Mix - Submix 10 1 ml
- Veterinary Drugs Comprehensive Mix - Submix 3A 1 ml
- Veterinary Drugs Comprehensive Mix - Submix 3B 1 ml

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

**Supplier/Manufacturer** : Agilent Technologies, Inc.  
 5301 Stevens Creek Blvd  
 Santa Clara, CA 95051, USA  
 800-227-9770

### 1.4 Emergency telephone number

**In case of emergency** : CHEMTREC®: 1-800-424-9300

## Section 2. Hazards identification

### 2.1 Classification of the substance or mixture

<b>OSHA/HCS status</b>	: <input checked="" type="checkbox"/> Veterinary Drugs Comprehensive Mix - Submix 1	This material is considered hazardous by the OSHA Hazard Communication Standard (29 CFR 1910.1200).
	Veterinary Drugs Comprehensive Mix - Submix 2	This material is considered hazardous by the OSHA Hazard Communication Standard (29 CFR 1910.1200).
	Veterinary Drugs Comprehensive Mix - Submix 5	This material is considered hazardous by the OSHA Hazard Communication Standard (29 CFR 1910.1200).
	Veterinary Drugs Comprehensive Mix - Submix 10	This material is considered hazardous by the OSHA Hazard Communication Standard (29 CFR 1910.1200).
	Veterinary Drugs Comprehensive Mix - Submix 3A	This material is considered hazardous by the OSHA Hazard Communication Standard (29 CFR 1910.1200).
	Veterinary Drugs Comprehensive Mix - Submix 3B	This material is considered hazardous by the OSHA Hazard Communication Standard (29 CFR 1910.1200).

### Classification of the substance or mixture

#### Veterinary Drugs

##### Comprehensive Mix - Submix 1

H320 EYE IRRITATION - Category 2B

#### Veterinary Drugs

##### Comprehensive Mix - Submix 2

H225 FLAMMABLE LIQUIDS - Category 2  
 H302 ACUTE TOXICITY (oral) - Category 4  
 H312 ACUTE TOXICITY (dermal) - Category 4  
 H332 ACUTE TOXICITY (inhalation) - Category 4  
 H319 EYE IRRITATION - Category 2A  
 H373 SPECIFIC TARGET ORGAN TOXICITY (REPEATED EXPOSURE) (blood system, central nervous system (CNS), kidneys, liver) - Category 2

#### Veterinary Drugs

##### Comprehensive Mix - Submix 5

H320 EYE IRRITATION - Category 2B

#### Veterinary Drugs

##### Comprehensive Mix - Submix

10

H225 FLAMMABLE LIQUIDS - Category 2  
 H302 ACUTE TOXICITY (oral) - Category 4  
 H312 ACUTE TOXICITY (dermal) - Category 4  
 H332 ACUTE TOXICITY (inhalation) - Category 4  
 H319 EYE IRRITATION - Category 2A  
 H373 SPECIFIC TARGET ORGAN TOXICITY (REPEATED EXPOSURE) (blood system, central nervous system (CNS), kidneys, liver) - Category 2

#### Veterinary Drugs

##### Comprehensive Mix - Submix

3A

H320 EYE IRRITATION - Category 2B

#### Veterinary Drugs

##### Comprehensive Mix - Submix




## Section 2. Hazards identification

### 3B

H225	FLAMMABLE LIQUIDS - Category 2
H302	ACUTE TOXICITY (oral) - Category 4
H312	ACUTE TOXICITY (dermal) - Category 4
H332	ACUTE TOXICITY (inhalation) - Category 4
H319	EYE IRRITATION - Category 2A
H373	SPECIFIC TARGET ORGAN TOXICITY (REPEATED EXPOSURE) (blood system, central nervous system (CNS), kidneys, liver) - Category 2

### 2.2 GHS label elements

#### Hazard pictograms

Veterinary Drugs Comprehensive Mix - Submix 2	
Veterinary Drugs Comprehensive Mix - Submix 10	
Veterinary Drugs Comprehensive Mix - Submix 3B	

#### Signal word

Veterinary Drugs Comprehensive Mix - Submix 1	Warning
Veterinary Drugs Comprehensive Mix - Submix 2	Danger
Veterinary Drugs Comprehensive Mix - Submix 5	Warning
Veterinary Drugs Comprehensive Mix - Submix 10	Danger
Veterinary Drugs Comprehensive Mix - Submix 3A	Warning
Veterinary Drugs Comprehensive Mix - Submix 3B	Danger

#### Hazard statements

Veterinary Drugs Comprehensive Mix - Submix 1	H320 - Causes eye irritation.
Veterinary Drugs Comprehensive Mix - Submix 2	H225 - Highly flammable liquid and vapor.
Veterinary Drugs Comprehensive Mix - Submix 5	H302 + H312 + H332 - Harmful if swallowed, in contact with skin or if inhaled. H319 - Causes serious eye irritation. H373 - May cause damage to organs through prolonged or repeated exposure. (blood system, central nervous system (CNS), kidneys, liver)
Veterinary Drugs Comprehensive Mix - Submix 10	H320 - Causes eye irritation. H225 - Highly flammable liquid and vapor. H302 + H312 + H332 - Harmful if swallowed, in contact with skin or if inhaled. H319 - Causes serious eye irritation. H373 - May cause damage to organs through prolonged or repeated exposure. (blood system, central nervous system (CNS), kidneys, liver)

## Section 2. Hazards identification

Veterinary Drugs Comprehensive Mix - Submix 3A Veterinary Drugs Comprehensive Mix - Submix 3B	H320 - Causes eye irritation.  H225 - Highly flammable liquid and vapor.  H302 + H312 + H332 - Harmful if swallowed, in contact with skin or if inhaled. H319 - Causes serious eye irritation. H373 - May cause damage to organs through prolonged or repeated exposure. (blood system, central nervous system (CNS), kidneys, liver)
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### Precautionary statements

#### Prevention

Veterinary Drugs Comprehensive Mix - Submix 1 Veterinary Drugs Comprehensive Mix - Submix 2	P264 - Wash hands thoroughly after handling.  P280 - Wear protective gloves. Wear eye or face protection. Wear protective clothing. P210 - Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking. P241 - Use explosion-proof electrical, ventilating, lighting and all material-handling equipment. P242 - Use only non-sparking tools. P243 - Take precautionary measures against static discharge. P233 - Keep container tightly closed. P271 - Use only outdoors or in a well-ventilated area. P260 - Do not breathe vapor. P270 - Do not eat, drink or smoke when using this product. P264 - Wash hands thoroughly after handling. P264 - Wash hands thoroughly after handling.
Veterinary Drugs Comprehensive Mix - Submix 5 Veterinary Drugs Comprehensive Mix - Submix 10	P280 - Wear protective gloves. Wear eye or face protection. Wear protective clothing. P210 - Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking. P241 - Use explosion-proof electrical, ventilating, lighting and all material-handling equipment. P242 - Use only non-sparking tools. P243 - Take precautionary measures against static discharge. P233 - Keep container tightly closed. P271 - Use only outdoors or in a well-ventilated area. P260 - Do not breathe vapor. P270 - Do not eat, drink or smoke when using this product. P264 - Wash hands thoroughly after handling. P264 - Wash hands thoroughly after handling.
Veterinary Drugs Comprehensive Mix - Submix 3A Veterinary Drugs Comprehensive Mix - Submix 3B	P264 - Wash hands thoroughly after handling. P264 - Wash hands thoroughly after handling.  P280 - Wear protective gloves. Wear eye or face protection. Wear protective clothing. P210 - Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking. P241 - Use explosion-proof electrical, ventilating, lighting and all material-handling equipment.

## Section 2. Hazards identification

**Response**

: Veterinary Drugs Comprehensive Mix - Submix 1

Veterinary Drugs Comprehensive Mix - Submix 2

Veterinary Drugs Comprehensive Mix - Submix 5

Veterinary Drugs Comprehensive Mix - Submix 10

P242 - Use only non-sparking tools.  
 P243 - Take precautionary measures against static discharge.  
 P233 - Keep container tightly closed.  
 P271 - Use only outdoors or in a well-ventilated area.  
 P260 - Do not breathe vapor.  
 P270 - Do not eat, drink or smoke when using this product.  
 P264 - Wash hands thoroughly after handling.  
 P305 + P351 + P338 - IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.  
 P337 + P313 - If eye irritation persists: Get medical attention.  
 P314 - Get medical attention if you feel unwell.  
 P304 + P340 + P312 - IF INHALED: Remove person to fresh air and keep comfortable for breathing. Call a POISON CENTER or physician if you feel unwell.  
 P301 + P312 + P330 - IF SWALLOWED: Call a POISON CENTER or physician if you feel unwell. Rinse mouth.  
 P303 + P361 + P353 - IF ON SKIN (or hair): Take off immediately all contaminated clothing. Rinse skin with water or shower.  
 P302 + P352 + P312 + P362+P364 - IF ON SKIN: Wash with plenty of soap and water. Call a POISON CENTER or physician if you feel unwell. Take off contaminated clothing and wash it before reuse.  
 P305 + P351 + P338 - IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.  
 P337 + P313 - If eye irritation persists: Get medical attention.  
 P305 + P351 + P338 - IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.  
 P337 + P313 - If eye irritation persists: Get medical attention.  
 P314 - Get medical attention if you feel unwell.  
 P304 + P340 + P312 - IF INHALED: Remove person to fresh air and keep comfortable for breathing. Call a POISON CENTER or physician if you feel unwell.  
 P301 + P312 + P330 - IF SWALLOWED: Call a POISON CENTER or physician if you feel unwell. Rinse mouth.  
 P303 + P361 + P353 - IF ON SKIN (or hair): Take off immediately all contaminated clothing. Rinse skin with water or shower.  
 P302 + P352 + P312 + P362+P364 - IF ON SKIN: Wash with plenty of soap and water. Call a

## Section 2. Hazards identification

Veterinary Drugs Comprehensive Mix - Submix 3A

POISON CENTER or physician if you feel unwell. Take off contaminated clothing and wash it before reuse.  
 P305 + P351 + P338 - IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.  
 P337 + P313 - If eye irritation persists: Get medical attention.  
 P305 + P351 + P338 - IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.  
 P337 + P313 - If eye irritation persists: Get medical attention.  
 P314 - Get medical attention if you feel unwell.

Veterinary Drugs Comprehensive Mix - Submix 3B

P304 + P340 + P312 - IF INHALED: Remove person to fresh air and keep comfortable for breathing. Call a POISON CENTER or physician if you feel unwell.  
 P301 + P312 + P330 - IF SWALLOWED: Call a POISON CENTER or physician if you feel unwell. Rinse mouth.  
 P303 + P361 + P353 - IF ON SKIN (or hair): Take off immediately all contaminated clothing. Rinse skin with water or shower.  
 P302 + P352 + P312 + P362+P364 - IF ON SKIN: Wash with plenty of soap and water. Call a POISON CENTER or physician if you feel unwell. Take off contaminated clothing and wash it before reuse.  
 P305 + P351 + P338 - IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.  
 P337 + P313 - If eye irritation persists: Get medical attention.

### Storage

: Veterinary Drugs Comprehensive Mix - Submix 1  
 Veterinary Drugs Comprehensive Mix - Submix 2  
  
 Veterinary Drugs Comprehensive Mix - Submix 5  
 Veterinary Drugs Comprehensive Mix - Submix 10  
  
 Veterinary Drugs Comprehensive Mix - Submix 3A  
 Veterinary Drugs Comprehensive Mix - Submix 3B

Not applicable.  
 P403 - Store in a well-ventilated place.  
  
 P235 - Keep cool.  
 Not applicable.  
 P403 - Store in a well-ventilated place.  
  
 P235 - Keep cool.  
 Not applicable.  
 P403 - Store in a well-ventilated place.  
  
 P235 - Keep cool.

### Disposal

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## Section 2. Hazards identification

	Veterinary Drugs Comprehensive Mix - Submix 1	Not applicable.
	Veterinary Drugs Comprehensive Mix - Submix 2	P501 - Dispose of contents and container in accordance with all local, regional, national and international regulations.
	Veterinary Drugs Comprehensive Mix - Submix 5	Not applicable.
	Veterinary Drugs Comprehensive Mix - Submix 10	P501 - Dispose of contents and container in accordance with all local, regional, national and international regulations.
	Veterinary Drugs Comprehensive Mix - Submix 3A	Not applicable.
	Veterinary Drugs Comprehensive Mix - Submix 3B	P501 - Dispose of contents and container in accordance with all local, regional, national and international regulations.
<b>Supplemental label elements</b>	: Veterinary Drugs Comprehensive Mix - Submix 1	None known.
	Veterinary Drugs Comprehensive Mix - Submix 2	None known.
	Veterinary Drugs Comprehensive Mix - Submix 5	None known.
	Veterinary Drugs Comprehensive Mix - Submix 10	None known.
	Veterinary Drugs Comprehensive Mix - Submix 3A	None known.
	Veterinary Drugs Comprehensive Mix - Submix 3B	None known.
<b>2.3 Other hazards</b>		
<b>Hazards not otherwise classified</b>	: Veterinary Drugs Comprehensive Mix - Submix 1	None known.
	Veterinary Drugs Comprehensive Mix - Submix 2	None known.
	Veterinary Drugs Comprehensive Mix - Submix 5	None known.
	Veterinary Drugs Comprehensive Mix - Submix 10	None known.
	Veterinary Drugs Comprehensive Mix - Submix 3A	None known.
	Veterinary Drugs Comprehensive Mix - Submix 3B	None known.

## Section 3. Composition/information on ingredients

<b>Substance/mixture</b>	: Veterinary Drugs Comprehensive Mix - Submix 1	Mixture
	Veterinary Drugs Comprehensive Mix - Submix 2	Mixture
	Veterinary Drugs Comprehensive Mix - Submix 5	Mixture
	Veterinary Drugs Comprehensive Mix - Submix 10	Mixture
	Veterinary Drugs Comprehensive Mix - Submix 3A	Mixture
	Veterinary Drugs Comprehensive Mix - Submix 3B	Mixture

## Section 3. Composition/information on ingredients

Ingredient name	%	CAS number
<b>Veterinary Drugs Comprehensive Mix - Submix 1</b> Dimethyl sulfoxide	≥90	67-68-5
<b>Veterinary Drugs Comprehensive Mix - Submix 2</b> Acetonitrile	≥75 - ≤90	75-05-8
<b>Veterinary Drugs Comprehensive Mix - Submix 5</b> Dimethyl sulfoxide	≥90	67-68-5
<b>Veterinary Drugs Comprehensive Mix - Submix 10</b> Acetonitrile	≥75 - ≤90	75-05-8
<b>Veterinary Drugs Comprehensive Mix - Submix 3A</b> Dimethyl sulfoxide	≥90	67-68-5
<b>Veterinary Drugs Comprehensive Mix - Submix 3B</b> Acetonitrile	≥75 - ≤90	75-05-8

Any concentration shown as a range is to protect confidentiality or is due to batch variation.

**There are no additional 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

### 4.1 Description of necessary first aid measures

<b>Eye contact</b>	: Veterinary Drugs Comprehensive Mix - Submix 1	Immediately flush eyes with plenty of water, occasionally lifting the upper and lower eyelids. Check for and remove any contact lenses. Continue to rinse for at least 10 minutes. If irritation persists, get medical attention.
	Veterinary Drugs Comprehensive Mix - Submix 2	Immediately flush eyes with plenty of water, occasionally lifting the upper and lower eyelids. Check for and remove any contact lenses. Continue to rinse for at least 10 minutes. Get medical attention.
	Veterinary Drugs Comprehensive Mix - Submix 5	Immediately flush eyes with plenty of water, occasionally lifting the upper and lower eyelids. Check for and remove any contact lenses. Continue to rinse for at least 10 minutes. If irritation persists, get medical attention.
	Veterinary Drugs Comprehensive Mix - Submix 10	Immediately flush eyes with plenty of water, occasionally lifting the upper and lower eyelids. Check for and remove any contact lenses. Continue to rinse for at least 10 minutes. Get medical attention.
	Veterinary Drugs Comprehensive Mix - Submix 3A	Immediately flush eyes with plenty of water, occasionally lifting the upper and lower eyelids. Check for and remove any contact lenses. Continue to rinse for at least 10 minutes. If irritation persists, get medical attention.
	Veterinary Drugs Comprehensive Mix - Submix 3B	Immediately flush eyes with plenty of water, occasionally lifting the upper and lower eyelids. Check for and remove any contact lenses. Continue to rinse for at least 10 minutes. Get

## Section 4. First aid measures

### Inhalation

: Veterinary Drugs Comprehensive Mix - Submix 1

medical attention.

Remove victim to fresh air and keep at rest in a position comfortable for breathing. If not breathing, if breathing is irregular or if respiratory arrest occurs, provide artificial respiration or oxygen by trained personnel. It may be dangerous to the person providing aid to give mouth-to-mouth resuscitation. Get medical attention if adverse health effects persist or are severe. If unconscious, place in recovery position and get medical attention immediately. Maintain an open airway. Loosen tight clothing such as a collar, tie, belt or waistband.

Veterinary Drugs Comprehensive Mix - Submix 2

Remove victim to fresh air and keep at rest in a position comfortable for breathing. If it is suspected that fumes are still present, the rescuer should wear an appropriate mask or self-contained breathing apparatus. If not breathing, if breathing is irregular or if respiratory arrest occurs, provide artificial respiration or oxygen by trained personnel. It may be dangerous to the person providing aid to give mouth-to-mouth resuscitation. Get medical attention following exposure or if feeling unwell. If necessary, call a poison center or physician. If unconscious, place in recovery position and get medical attention immediately. Maintain an open airway. Loosen tight clothing such as a collar, tie, belt or waistband. In case of inhalation of decomposition products in a fire, symptoms may be delayed. The exposed person may need to be kept under medical surveillance for 48 hours.

Veterinary Drugs Comprehensive Mix - Submix 5

Remove victim to fresh air and keep at rest in a position comfortable for breathing. If not breathing, if breathing is irregular or if respiratory arrest occurs, provide artificial respiration or oxygen by trained personnel. It may be dangerous to the person providing aid to give mouth-to-mouth resuscitation. Get medical attention if adverse health effects persist or are severe. If unconscious, place in recovery position and get medical attention immediately. Maintain an open airway. Loosen tight clothing such as a collar, tie, belt or waistband.

Veterinary Drugs Comprehensive Mix - Submix 10

Remove victim to fresh air and keep at rest in a position comfortable for breathing. If it is suspected that fumes are still present, the rescuer should wear an appropriate mask or self-contained breathing apparatus. If not breathing, if breathing is irregular or if respiratory arrest occurs, provide artificial respiration or oxygen by trained personnel. It may be dangerous to the person providing aid to give mouth-to-mouth resuscitation. Get medical attention following exposure or if feeling unwell. If necessary, call a poison center or physician. If unconscious, place in recovery position and get medical attention immediately. Maintain an open airway. Loosen tight clothing such as a collar, tie, belt or

## Section 4. First aid measures

	Veterinary Drugs Comprehensive Mix - Submix 3A	waistband. In case of inhalation of decomposition products in a fire, symptoms may be delayed. The exposed person may need to be kept under medical surveillance for 48 hours.
	Veterinary Drugs Comprehensive Mix - Submix 3B	Remove victim to fresh air and keep at rest in a position comfortable for breathing. If not breathing, if breathing is irregular or if respiratory arrest occurs, provide artificial respiration or oxygen by trained personnel. It may be dangerous to the person providing aid to give mouth-to-mouth resuscitation. Get medical attention if adverse health effects persist or are severe. If unconscious, place in recovery position and get medical attention immediately. Maintain an open airway. Loosen tight clothing such as a collar, tie, belt or waistband.
	: Veterinary Drugs Comprehensive Mix - Submix 1	Remove victim to fresh air and keep at rest in a position comfortable for breathing. If it is suspected that fumes are still present, the rescuer should wear an appropriate mask or self-contained breathing apparatus. If not breathing, if breathing is irregular or if respiratory arrest occurs, provide artificial respiration or oxygen by trained personnel. It may be dangerous to the person providing aid to give mouth-to-mouth resuscitation. Get medical attention following exposure or if feeling unwell. If necessary, call a poison center or physician. If unconscious, place in recovery position and get medical attention immediately. Maintain an open airway. Loosen tight clothing such as a collar, tie, belt or waistband. In case of inhalation of decomposition products in a fire, symptoms may be delayed. The exposed person may need to be kept under medical surveillance for 48 hours.
<b>Skin contact</b>	: Veterinary Drugs Comprehensive Mix - Submix 2	Flush contaminated skin with plenty of water. Remove contaminated clothing and shoes. Get medical attention if symptoms occur. Wash clothing before reuse. Clean shoes thoroughly before reuse.
	: Veterinary Drugs Comprehensive Mix - Submix 5	Wash with plenty of soap and water. Remove contaminated clothing and shoes. Wash contaminated clothing thoroughly with water before removing it, or wear gloves. Continue to rinse for at least 10 minutes. Get medical attention following exposure or if feeling unwell. If necessary, call a poison center or physician. Wash clothing before reuse. Clean shoes thoroughly before reuse.
	: Veterinary Drugs Comprehensive Mix - Submix 10	Flush contaminated skin with plenty of water. Remove contaminated clothing and shoes. Get medical attention if symptoms occur. Wash clothing before reuse. Clean shoes thoroughly before reuse.
		Wash with plenty of soap and water. Remove contaminated clothing and shoes. Wash contaminated clothing thoroughly with water before removing it, or wear gloves. Continue to rinse for at least 10 minutes. Get medical attention following exposure or if feeling unwell. If necessary, call a

## Section 4. First aid measures

	<p>Veterinary Drugs Comprehensive Mix - Submix 3A</p>	<p>poison center or physician. Wash clothing before reuse. Clean shoes thoroughly before reuse. Flush contaminated skin with plenty of water. Remove contaminated clothing and shoes. Get medical attention if symptoms occur. Wash clothing before reuse. Clean shoes thoroughly before reuse.</p>
	<p>Veterinary Drugs Comprehensive Mix - Submix 3B</p>	<p>Wash with plenty of soap and water. Remove contaminated clothing and shoes. Wash contaminated clothing thoroughly with water before removing it, or wear gloves. Continue to rinse for at least 10 minutes. Get medical attention following exposure or if feeling unwell. If necessary, call a poison center or physician. Wash clothing before reuse. Clean shoes thoroughly before reuse.</p>
<p><b>Ingestion</b></p>	<p>: Veterinary Drugs Comprehensive Mix - Submix 1</p>	<p>Wash out mouth with water. Remove dentures if any. 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. Stop if the exposed person feels sick as vomiting may be dangerous. Do not induce vomiting unless directed to do so by medical personnel. If vomiting occurs, the head should be kept low so that vomit does not enter the lungs. Get medical attention if adverse health effects persist or are severe. Never give anything by mouth to an unconscious person. If unconscious, place in recovery position and get medical attention immediately. Maintain an open airway. Loosen tight clothing such as a collar, tie, belt or waistband.</p>
	<p>Veterinary Drugs Comprehensive Mix - Submix 2</p>	<p>Wash out mouth with water. Remove dentures if any. 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. Stop if the exposed person feels sick as vomiting may be dangerous. Do not induce vomiting unless directed to do so by medical personnel. If vomiting occurs, the head should be kept low so that vomit does not enter the lungs. Get medical attention. If necessary, call a poison center or physician. Never give anything by mouth to an unconscious person. If unconscious, place in recovery position and get medical attention immediately. Maintain an open airway. Loosen tight clothing such as a collar, tie, belt or waistband.</p>
	<p>Veterinary Drugs Comprehensive Mix - Submix 5</p>	<p>Wash out mouth with water. Remove dentures if any. 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. Stop if the exposed person feels sick as vomiting may be dangerous. Do not induce vomiting unless directed to do so by medical personnel. If vomiting occurs, the head should be kept low so that vomit does not enter the lungs. Get medical attention if adverse health effects persist or are severe. Never give anything by mouth to an unconscious person.</p>

## Section 4. First aid measures

Veterinary Drugs Comprehensive  
Mix - Submix 10

If unconscious, place in recovery position and get medical attention immediately. Maintain an open airway. Loosen tight clothing such as a collar, tie, belt or waistband.

Wash out mouth with water. Remove dentures if any. 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. Stop if the exposed person feels sick as vomiting may be dangerous. Do not induce vomiting unless directed to do so by medical personnel. If vomiting occurs, the head should be kept low so that vomit does not enter the lungs. Get medical attention. If necessary, call a poison center or physician. Never give anything by mouth to an unconscious person. If unconscious, place in recovery position and get medical attention immediately. Maintain an open airway. Loosen tight clothing such as a collar, tie, belt or waistband.

Veterinary Drugs Comprehensive  
Mix - Submix 3A

Wash out mouth with water. Remove dentures if any. 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. Stop if the exposed person feels sick as vomiting may be dangerous. Do not induce vomiting unless directed to do so by medical personnel. If vomiting occurs, the head should be kept low so that vomit does not enter the lungs. Get medical attention if adverse health effects persist or are severe. Never give anything by mouth to an unconscious person. If unconscious, place in recovery position and get medical attention immediately. Maintain an open airway. Loosen tight clothing such as a collar, tie, belt or waistband.

Veterinary Drugs Comprehensive  
Mix - Submix 3B

Wash out mouth with water. Remove dentures if any. 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. Stop if the exposed person feels sick as vomiting may be dangerous. Do not induce vomiting unless directed to do so by medical personnel. If vomiting occurs, the head should be kept low so that vomit does not enter the lungs. Get medical attention. If necessary, call a poison center or physician. Never give anything by mouth to an unconscious person. If unconscious, place in recovery position and get medical attention immediately. Maintain an open airway. Loosen tight clothing such as a collar, tie, belt or waistband.

### [4.2 Most important symptoms/effects, acute and delayed](#) [Potential acute health effects](#)

## Section 4. First aid measures

<b>Eye contact</b>	: Veterinary Drugs Comprehensive Mix - Submix 1	Causes eye irritation.
	Veterinary Drugs Comprehensive Mix - Submix 2	Causes serious eye irritation.
	Veterinary Drugs Comprehensive Mix - Submix 5	Causes eye irritation.
	Veterinary Drugs Comprehensive Mix - Submix 10	Causes serious eye irritation.
	Veterinary Drugs Comprehensive Mix - Submix 3A	Causes eye irritation.
	Veterinary Drugs Comprehensive Mix - Submix 3B	Causes serious eye irritation.
	<b>Inhalation</b>	: Veterinary Drugs Comprehensive Mix - Submix 1
Veterinary Drugs Comprehensive Mix - Submix 2		Harmful if inhaled.
Veterinary Drugs Comprehensive Mix - Submix 5		No known significant effects or critical hazards.
Veterinary Drugs Comprehensive Mix - Submix 10		Harmful if inhaled.
Veterinary Drugs Comprehensive Mix - Submix 3A		No known significant effects or critical hazards.
Veterinary Drugs Comprehensive Mix - Submix 3B		Harmful if inhaled.
<b>Skin contact</b>		: Veterinary Drugs Comprehensive Mix - Submix 1
	Veterinary Drugs Comprehensive Mix - Submix 2	Harmful in contact with skin.
	Veterinary Drugs Comprehensive Mix - Submix 5	No known significant effects or critical hazards.
	Veterinary Drugs Comprehensive Mix - Submix 10	Harmful in contact with skin.
	Veterinary Drugs Comprehensive Mix - Submix 3A	No known significant effects or critical hazards.
	Veterinary Drugs Comprehensive Mix - Submix 3B	Harmful in contact with skin.
	<b>Ingestion</b>	: Veterinary Drugs Comprehensive Mix - Submix 1
Veterinary Drugs Comprehensive Mix - Submix 2		Harmful if swallowed.
Veterinary Drugs Comprehensive Mix - Submix 5		No known significant effects or critical hazards.
Veterinary Drugs Comprehensive Mix - Submix 10		Harmful if swallowed.
Veterinary Drugs Comprehensive Mix - Submix 3A		No known significant effects or critical hazards.
Veterinary Drugs Comprehensive Mix - Submix 3B		Harmful if swallowed.

### Over-exposure signs/symptoms

<b>Eye contact</b>	: Veterinary Drugs Comprehensive Mix - Submix 1	Adverse symptoms may include the following: irritation watering redness
	Veterinary Drugs Comprehensive Mix - Submix 2	Adverse symptoms may include the following:

## Section 4. First aid measures

		pain or irritation watering redness
	Veterinary Drugs Comprehensive Mix - Submix 5	Adverse symptoms may include the following:
		irritation watering redness
	Veterinary Drugs Comprehensive Mix - Submix 10	Adverse symptoms may include the following:
		pain or irritation watering redness
	Veterinary Drugs Comprehensive Mix - Submix 3A	Adverse symptoms may include the following:
		irritation watering redness
	Veterinary Drugs Comprehensive Mix - Submix 3B	Adverse symptoms may include the following:
		pain or irritation watering redness
<b>Inhalation</b>	: Veterinary Drugs Comprehensive Mix - Submix 1	No specific data.
	Veterinary Drugs Comprehensive Mix - Submix 2	No specific data.
	Veterinary Drugs Comprehensive Mix - Submix 5	No specific data.
	Veterinary Drugs Comprehensive Mix - Submix 10	No specific data.
	Veterinary Drugs Comprehensive Mix - Submix 3A	No specific data.
	Veterinary Drugs Comprehensive Mix - Submix 3B	No specific data.
<b>Skin contact</b>	: Veterinary Drugs Comprehensive Mix - Submix 1	No specific data.
	Veterinary Drugs Comprehensive Mix - Submix 2	No specific data.
	Veterinary Drugs Comprehensive Mix - Submix 5	No specific data.
	Veterinary Drugs Comprehensive Mix - Submix 10	No specific data.
	Veterinary Drugs Comprehensive Mix - Submix 3A	No specific data.
	Veterinary Drugs Comprehensive Mix - Submix 3B	No specific data.
<b>Ingestion</b>	: Veterinary Drugs Comprehensive Mix - Submix 1	No specific data.
	Veterinary Drugs Comprehensive Mix - Submix 2	No specific data.
	Veterinary Drugs Comprehensive Mix - Submix 5	No specific data.
	Veterinary Drugs Comprehensive Mix - Submix 10	No specific data.
	Veterinary Drugs Comprehensive Mix - Submix 3A	No specific data.

## Section 4. First aid measures

Veterinary Drugs Comprehensive Mix - Submix 3B No specific data.

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

#### Notes to physician

- : Veterinary Drugs Comprehensive Mix - Submix 1 Treat symptomatically. Contact poison treatment specialist immediately if large quantities have been ingested or inhaled.
- Veterinary Drugs Comprehensive Mix - Submix 2 In case of inhalation of decomposition products in a fire, symptoms may be delayed. The exposed person may need to be kept under medical surveillance for 48 hours.
- Veterinary Drugs Comprehensive Mix - Submix 5 Treat symptomatically. Contact poison treatment specialist immediately if large quantities have been ingested or inhaled.
- Veterinary Drugs Comprehensive Mix - Submix 10 In case of inhalation of decomposition products in a fire, symptoms may be delayed. The exposed person may need to be kept under medical surveillance for 48 hours.
- Veterinary Drugs Comprehensive Mix - Submix 3A Treat symptomatically. Contact poison treatment specialist immediately if large quantities have been ingested or inhaled.
- Veterinary Drugs Comprehensive Mix - Submix 3B In case of inhalation of decomposition products in a fire, symptoms may be delayed. The exposed person may need to be kept under medical surveillance for 48 hours.

#### Specific treatments

- : Veterinary Drugs Comprehensive Mix - Submix 1 No specific treatment.
- Veterinary Drugs Comprehensive Mix - Submix 2 No specific treatment.
- Veterinary Drugs Comprehensive Mix - Submix 5 No specific treatment.
- Veterinary Drugs Comprehensive Mix - Submix 10 No specific treatment.
- Veterinary Drugs Comprehensive Mix - Submix 3A No specific treatment.
- Veterinary Drugs Comprehensive Mix - Submix 3B No specific treatment.

#### Protection of first-aiders

- : Veterinary Drugs Comprehensive Mix - Submix 1 No action shall be taken involving any personal risk or without suitable training. It may be dangerous to the person providing aid to give mouth-to-mouth resuscitation.
- Veterinary Drugs Comprehensive Mix - Submix 2 No action shall be taken involving any personal risk or without suitable training. If it is suspected that fumes are still present, the rescuer should wear an appropriate mask or self-contained breathing apparatus. It may be dangerous to the person providing aid to give mouth-to-mouth resuscitation. Wash contaminated clothing thoroughly with water before removing it, or wear gloves.
- Veterinary Drugs Comprehensive Mix - Submix 5 No action shall be taken involving any personal risk or without suitable training. It may be dangerous to the person providing aid to give mouth-to-mouth resuscitation.
- Veterinary Drugs Comprehensive Mix - Submix 10 No action shall be taken involving any personal risk or without suitable training. If it is suspected that fumes are still present, the rescuer should wear an appropriate mask or self-contained breathing

## Section 4. First aid measures

Veterinary Drugs Comprehensive Mix - Submix 3A

apparatus. It may be dangerous to the person providing aid to give mouth-to-mouth resuscitation. Wash contaminated clothing thoroughly with water before removing it, or wear gloves.

Veterinary Drugs Comprehensive Mix - Submix 3B

No action shall be taken involving any personal risk or without suitable training. It may be dangerous to the person providing aid to give mouth-to-mouth resuscitation.

No action shall be taken involving any personal risk or without suitable training. If it is suspected that fumes are still present, the rescuer should wear an appropriate mask or self-contained breathing apparatus. It may be dangerous to the person providing aid to give mouth-to-mouth resuscitation. Wash contaminated clothing thoroughly with water before removing it, or wear gloves.

See toxicological information (Section 11)

## Section 5. Fire-fighting measures

### 5.1 Extinguishing media

#### Suitable extinguishing media

- : Veterinary Drugs Comprehensive Mix - Submix 1 Use an extinguishing agent suitable for the surrounding fire.
- Veterinary Drugs Comprehensive Mix - Submix 2 Use dry chemical, CO<sub>2</sub>, water spray (fog) or foam.
- Veterinary Drugs Comprehensive Mix - Submix 5 Use an extinguishing agent suitable for the surrounding fire.
- Veterinary Drugs Comprehensive Mix - Submix 10 Use dry chemical, CO<sub>2</sub>, water spray (fog) or foam.
- Veterinary Drugs Comprehensive Mix - Submix 3A Use an extinguishing agent suitable for the surrounding fire.
- Veterinary Drugs Comprehensive Mix - Submix 3B Use dry chemical, CO<sub>2</sub>, water spray (fog) or foam.

#### Unsuitable extinguishing media

- : Veterinary Drugs Comprehensive Mix - Submix 1 None known.
- Veterinary Drugs Comprehensive Mix - Submix 2 Do not use water jet.
- Veterinary Drugs Comprehensive Mix - Submix 5 None known.
- Veterinary Drugs Comprehensive Mix - Submix 10 Do not use water jet.
- Veterinary Drugs Comprehensive Mix - Submix 3A None known.
- Veterinary Drugs Comprehensive Mix - Submix 3B Do not use water jet.

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

#### Specific hazards arising from the chemical

- :  Veterinary Drugs Comprehensive Mix - Submix 1 In a fire or if heated, a pressure increase will occur and the container may burst.
- Veterinary Drugs Comprehensive Mix - Submix 2 Highly flammable liquid and vapor. Runoff to sewer may create fire or explosion hazard. In a fire or if heated, a pressure increase will occur and the container may burst, with the risk of a subsequent explosion. The vapor/gas is heavier than air and will spread along the ground. Vapors may

## Section 5. Fire-fighting measures

		accumulate in low or confined areas or travel a considerable distance to a source of ignition and flash back.
	Veterinary Drugs Comprehensive Mix - Submix 5	In a fire or if heated, a pressure increase will occur and the container may burst.
	Veterinary Drugs Comprehensive Mix - Submix 10	Highly flammable liquid and vapor. Runoff to sewer may create fire or explosion hazard. In a fire or if heated, a pressure increase will occur and the container may burst, with the risk of a subsequent explosion. The vapor/gas is heavier than air and will spread along the ground. Vapors may accumulate in low or confined areas or travel a considerable distance to a source of ignition and flash back.
	Veterinary Drugs Comprehensive Mix - Submix 3A	In a fire or if heated, a pressure increase will occur and the container may burst.
	Veterinary Drugs Comprehensive Mix - Submix 3B	Highly flammable liquid and vapor. Runoff to sewer may create fire or explosion hazard. In a fire or if heated, a pressure increase will occur and the container may burst, with the risk of a subsequent explosion. The vapor/gas is heavier than air and will spread along the ground. Vapors may accumulate in low or confined areas or travel a considerable distance to a source of ignition and flash back.
<b>Hazardous thermal decomposition products</b>	: Veterinary Drugs Comprehensive Mix - Submix 1	Decomposition products may include the following materials: carbon dioxide carbon monoxide sulfur oxides
	Veterinary Drugs Comprehensive Mix - Submix 2	Decomposition products may include the following materials: carbon dioxide carbon monoxide nitrogen oxides cyanides
	Veterinary Drugs Comprehensive Mix - Submix 5	Decomposition products may include the following materials: carbon dioxide carbon monoxide sulfur oxides
	Veterinary Drugs Comprehensive Mix - Submix 10	Decomposition products may include the following materials: carbon dioxide carbon monoxide nitrogen oxides cyanides
	Veterinary Drugs Comprehensive Mix - Submix 3A	Decomposition products may include the following materials: carbon dioxide carbon monoxide sulfur oxides
	Veterinary Drugs Comprehensive Mix - Submix 3B	Decomposition products may include the following materials: carbon dioxide carbon monoxide nitrogen oxides cyanides

## Section 5. Fire-fighting measures

### 5.3 Advice for firefighters

#### Special protective actions for fire-fighters

- |  |  |
|--|--|
| : Veterinary Drugs Comprehensive Mix - Submix 1  | 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.  |
| : Veterinary Drugs Comprehensive Mix - Submix 2  | 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. Move containers from fire area if this can be done without risk. Use water spray to keep fire-exposed containers cool. |
| : Veterinary Drugs Comprehensive Mix - Submix 5  | 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.  |
| : Veterinary Drugs Comprehensive Mix - Submix 10 | 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. Move containers from fire area if this can be done without risk. Use water spray to keep fire-exposed containers cool. |
| : Veterinary Drugs Comprehensive Mix - Submix 3A | 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.  |
| : Veterinary Drugs Comprehensive Mix - Submix 3B | 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. Move containers from fire area if this can be done without risk. Use water spray to keep fire-exposed containers cool. |

#### Special protective equipment for fire-fighters

- |  |   |
|--|---|
| : Veterinary Drugs Comprehensive Mix - Submix 1  | Fire-fighters should wear appropriate protective equipment and self-contained breathing apparatus (SCBA) with a full face-piece operated in positive pressure mode. |
| : Veterinary Drugs Comprehensive Mix - Submix 2  | Fire-fighters should wear appropriate protective equipment and self-contained breathing apparatus (SCBA) with a full face-piece operated in positive pressure mode. |
| : Veterinary Drugs Comprehensive Mix - Submix 5  | Fire-fighters should wear appropriate protective equipment and self-contained breathing apparatus (SCBA) with a full face-piece operated in positive pressure mode. |
| : Veterinary Drugs Comprehensive Mix - Submix 10 | Fire-fighters should wear appropriate protective equipment and self-contained breathing apparatus (SCBA) with a full face-piece operated in positive pressure mode. |
| : Veterinary Drugs Comprehensive Mix - Submix 3A | Fire-fighters should wear appropriate protective equipment and self-contained breathing apparatus (SCBA) with a full face-piece operated in positive pressure mode. |
| : Veterinary Drugs Comprehensive Mix - Submix 3B | 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

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

#### For non-emergency personnel

: Veterinary Drugs Comprehensive Mix - Submix 1

No action shall be taken involving any personal risk or without suitable training. Evacuate surrounding areas. Keep unnecessary and unprotected personnel from entering. Do not touch or walk through spilled material. Avoid breathing vapor or mist. Provide adequate ventilation. Wear appropriate respirator when ventilation is inadequate. Put on appropriate personal protective equipment.

Veterinary Drugs Comprehensive Mix - Submix 2

No action shall be taken involving any personal risk or without suitable training. Evacuate surrounding areas. Keep unnecessary and unprotected personnel from entering. Do not touch or walk through spilled material. Shut off all ignition sources. No flares, smoking or flames in hazard area. Avoid breathing vapor or mist. Provide adequate ventilation. Wear appropriate respirator when ventilation is inadequate. Put on appropriate personal protective equipment.

Veterinary Drugs Comprehensive Mix - Submix 5

No action shall be taken involving any personal risk or without suitable training. Evacuate surrounding areas. Keep unnecessary and unprotected personnel from entering. Do not touch or walk through spilled material. Avoid breathing vapor or mist. Provide adequate ventilation. Wear appropriate respirator when ventilation is inadequate. Put on appropriate personal protective equipment.

Veterinary Drugs Comprehensive Mix - Submix 10

No action shall be taken involving any personal risk or without suitable training. Evacuate surrounding areas. Keep unnecessary and unprotected personnel from entering. Do not touch or walk through spilled material. Shut off all ignition sources. No flares, smoking or flames in hazard area. Avoid breathing vapor or mist. Provide adequate ventilation. Wear appropriate respirator when ventilation is inadequate. Put on appropriate personal protective equipment.

Veterinary Drugs Comprehensive Mix - Submix 3A

No action shall be taken involving any personal risk or without suitable training. Evacuate surrounding areas. Keep unnecessary and unprotected personnel from entering. Do not touch or walk through spilled material. Avoid breathing vapor or mist. Provide adequate ventilation. Wear appropriate respirator when ventilation is inadequate. Put on appropriate personal protective equipment.

Veterinary Drugs Comprehensive Mix - Submix 3B

No action shall be taken involving any personal risk or without suitable training. Evacuate surrounding areas. Keep unnecessary and unprotected personnel from entering. Do not touch or walk through spilled material. Shut off all ignition sources. No flares, smoking or flames in hazard area. Avoid breathing vapor or mist. Provide adequate ventilation. Wear appropriate respirator when ventilation is inadequate. Put on appropriate personal protective equipment.

## Section 6. Accidental release measures

<p><b>For emergency responders :</b> Veterinary Drugs Comprehensive Mix - Submix 1</p> <p>Veterinary Drugs Comprehensive Mix - Submix 2</p> <p>Veterinary Drugs Comprehensive Mix - Submix 5</p> <p>Veterinary Drugs Comprehensive Mix - Submix 10</p> <p>Veterinary Drugs Comprehensive Mix - Submix 3A</p> <p>Veterinary Drugs Comprehensive Mix - Submix 3B</p>	<p>If specialized 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".</p> <p>If specialized 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".</p> <p>If specialized 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".</p> <p>If specialized 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".</p> <p>If specialized 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".</p> <p>If specialized 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".</p>
<p><b>6.2 Environmental precautions :</b> Veterinary Drugs Comprehensive Mix - Submix 1</p> <p>Veterinary Drugs Comprehensive Mix - Submix 2</p> <p>Veterinary Drugs Comprehensive Mix - Submix 5</p> <p>Veterinary Drugs Comprehensive Mix - Submix 10</p> <p>Veterinary Drugs Comprehensive Mix - Submix 3A</p> <p>Veterinary Drugs Comprehensive Mix - Submix 3B</p>	<p>Avoid dispersal of spilled material and runoff and contact with soil, waterways, drains and sewers. Inform the relevant authorities if the product has caused environmental pollution (sewers, waterways, soil or air).</p> <p>Avoid dispersal of spilled material and runoff and contact with soil, waterways, drains and sewers. Inform the relevant authorities if the product has caused environmental pollution (sewers, waterways, soil or air).</p> <p>Avoid dispersal of spilled material and runoff and contact with soil, waterways, drains and sewers. Inform the relevant authorities if the product has caused environmental pollution (sewers, waterways, soil or air).</p> <p>Avoid dispersal of spilled material and runoff and contact with soil, waterways, drains and sewers. Inform the relevant authorities if the product has caused environmental pollution (sewers, waterways, soil or air).</p> <p>Avoid dispersal of spilled material and runoff and contact with soil, waterways, drains and sewers. Inform the relevant authorities if the product has caused environmental pollution (sewers, waterways, soil or air).</p> <p>Avoid dispersal of spilled material and runoff and contact with soil, waterways, drains and sewers. Inform the relevant authorities if the product has caused environmental pollution (sewers, waterways, soil or air).</p>

### 6.3 Methods and materials for containment and cleaning up

## Section 6. Accidental release measures

<b>Methods for cleaning up</b>	: Veterinary Drugs Comprehensive Mix - Submix 1	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.
	Veterinary Drugs Comprehensive Mix - Submix 2	Stop leak if without risk. Move containers from spill area. Use spark-proof tools and explosion-proof equipment. 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.
	Veterinary Drugs Comprehensive Mix - Submix 5	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.
	Veterinary Drugs Comprehensive Mix - Submix 10	Stop leak if without risk. Move containers from spill area. Use spark-proof tools and explosion-proof equipment. 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.
	Veterinary Drugs Comprehensive Mix - Submix 3A	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.
	Veterinary Drugs Comprehensive Mix - Submix 3B	Stop leak if without risk. Move containers from spill area. Use spark-proof tools and explosion-proof equipment. 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

### 7.1 Precautions for safe handling

<b>Protective measures</b>	: Veterinary Drugs Comprehensive Mix - Submix 1	Put on appropriate personal protective equipment (see Section 8). Do not ingest. Avoid contact with eyes, skin and clothing. Avoid breathing vapor or mist. Keep in the original container or an approved alternative made from a compatible material, kept tightly closed when not in use. Empty containers retain product residue and can be hazardous. Do not reuse container.
	Veterinary Drugs Comprehensive Mix - Submix 2	Put on appropriate personal protective equipment (see Section 8). Do not breathe vapor or mist. Do not ingest. Avoid contact with eyes, skin and clothing. Use only with adequate ventilation. Wear appropriate respirator when ventilation is inadequate. Do not enter storage areas and confined spaces unless adequately ventilated. Keep in the original container or an approved

## Section 7. Handling and storage

Veterinary Drugs Comprehensive  
Mix - Submix 5

alternative made from a compatible material, kept tightly closed when not in use. Store and use away from heat, sparks, open flame or any other ignition source. Use explosion-proof electrical (ventilating, lighting and material handling) equipment. Use only non-sparking tools. Take precautionary measures against electrostatic discharges. Empty containers retain product residue and can be hazardous. Do not reuse container.

Veterinary Drugs Comprehensive  
Mix - Submix 10

Put on appropriate personal protective equipment (see Section 8). Do not ingest. Avoid contact with eyes, skin and clothing. Avoid breathing vapor or mist. Keep in the original container or an approved alternative made from a compatible material, kept tightly closed when not in use. Empty containers retain product residue and can be hazardous. Do not reuse container.

Veterinary Drugs Comprehensive  
Mix - Submix 3A


Put on appropriate personal protective equipment (see Section 8). Do not breathe vapor or mist. Do not ingest. Avoid contact with eyes, skin and clothing. Use only with adequate ventilation. Wear appropriate respirator when ventilation is inadequate. Do not enter storage areas and confined spaces unless adequately ventilated. Keep in the original container or an approved alternative made from a compatible material, kept tightly closed when not in use. Store and use away from heat, sparks, open flame or any other ignition source. Use explosion-proof electrical (ventilating, lighting and material handling) equipment. Use only non-sparking tools. Take precautionary measures against electrostatic discharges. Empty containers retain product residue and can be hazardous. Do not reuse container.

Veterinary Drugs Comprehensive  
Mix - Submix 3B

Put on appropriate personal protective equipment (see Section 8). Do not ingest. Avoid contact with eyes, skin and clothing. Avoid breathing vapor or mist. Keep in the original container or an approved alternative made from a compatible material, kept tightly closed when not in use. Empty containers retain product residue and can be hazardous. Do not reuse container.

Put on appropriate personal protective equipment (see Section 8). Do not breathe vapor or mist. Do not ingest. Avoid contact with eyes, skin and clothing. Use only with adequate ventilation. Wear appropriate respirator when ventilation is inadequate. Do not enter storage areas and confined spaces unless adequately ventilated. Keep in the original container or an approved alternative made from a compatible material, kept tightly closed when not in use. Store and use away from heat, sparks, open flame or any other ignition source. Use explosion-proof electrical (ventilating, lighting and material handling) equipment. Use only non-sparking tools. Take precautionary measures against electrostatic discharges. Empty containers retain product residue and can be hazardous. Do not reuse container.

## Section 7. Handling and storage

<p><b>Advice on general occupational hygiene</b></p>	<p>: Veterinary Drugs Comprehensive Mix - Submix 1</p> <p>Veterinary Drugs Comprehensive Mix - Submix 2</p> <p>Veterinary Drugs Comprehensive Mix - Submix 5</p> <p>Veterinary Drugs Comprehensive Mix - Submix 10</p> <p>Veterinary Drugs Comprehensive Mix - Submix 3A</p> <p>Veterinary Drugs Comprehensive Mix - Submix 3B</p>	<p>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.</p> <p>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.</p> <p>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.</p> <p>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.</p> <p>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.</p> <p>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.</p>
<p><b>7.2 Conditions for safe storage, including any incompatibilities</b></p>	<p>:  Veterinary Drugs Comprehensive Mix - Submix 1</p> <p>Veterinary Drugs Comprehensive Mix - Submix 2</p>	<p>Store between the following temperatures: 18 to 25°C (64.4 to 77°F). Store in accordance with local regulations. Store in original container protected from direct sunlight in a dry, cool and well-ventilated area, away from incompatible materials (see Section 10) and food and drink. Keep container tightly closed and sealed until ready for use. Containers that have been opened must be carefully resealed and kept upright to prevent leakage. Do not store in unlabeled containers. Use appropriate containment to avoid environmental contamination. See Section 10 for incompatible materials before handling or use.</p> <p>Store between the following temperatures: 18 to 25°C (64.4 to 77°F). Store in accordance with local</p>

## Section 7. Handling and storage

Veterinary Drugs Comprehensive  
Mix - Submix 5

regulations. Store in a segregated and approved area. 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. Eliminate all ignition sources. Separate from oxidizing materials. Keep container tightly closed and sealed until ready for use. Containers that have been opened must be carefully resealed and kept upright to prevent leakage. Do not store in unlabeled containers.

Use appropriate containment to avoid environmental contamination. See Section 10 for incompatible materials before handling or use.

Store between the following temperatures: 18 to 25°C (64.4 to 77°F). Store in accordance with local regulations. Store in original container protected from direct sunlight in a dry, cool and well-ventilated area, away from incompatible materials (see Section 10) and food and drink. Keep container tightly closed and sealed until ready for use. Containers that have been opened must be carefully resealed and kept upright to prevent leakage. Do not store in unlabeled containers.

Use appropriate containment to avoid environmental contamination. See Section 10 for incompatible materials before handling or use.

Veterinary Drugs Comprehensive  
Mix - Submix 10

Store between the following temperatures: 18 to 25°C (64.4 to 77°F). Store in accordance with local regulations. Store in a segregated and approved area. 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. Eliminate all ignition sources. Separate from oxidizing materials. Keep container tightly closed and sealed until ready for use. Containers that have been opened must be carefully resealed and kept upright to prevent leakage. Do not store in unlabeled containers.

Use appropriate containment to avoid environmental contamination. See Section 10 for incompatible materials before handling or use.

Veterinary Drugs Comprehensive  
Mix - Submix 3A

Store between the following temperatures: 18 to 25°C (64.4 to 77°F). Store in accordance with local regulations. Store in original container protected from direct sunlight in a dry, cool and well-ventilated area, away from incompatible materials (see Section 10) and food and drink. Keep container tightly closed and sealed until ready for use. Containers that have been opened must be carefully resealed and kept upright to prevent leakage. Do not store in unlabeled containers.

Use appropriate containment to avoid environmental contamination. See Section 10 for incompatible materials before handling or use.

Veterinary Drugs Comprehensive  
Mix - Submix 3B

Store between the following temperatures: 18 to 25°C (64.4 to 77°F). Store in accordance with local regulations. Store in a segregated and approved area. Store in original container protected from direct sunlight in a dry, cool and well-ventilated area, away from incompatible materials (see Section 10) and food and drink. Keep container tightly closed and sealed until ready for use. Containers that have been opened must be carefully resealed and kept upright to prevent leakage. Do not store in unlabeled containers. Use appropriate containment to avoid environmental contamination. See Section 10 for incompatible materials before handling or use.

Store between the following temperatures: 18 to 25°C (64.4 to 77°F). Store in accordance with local regulations. Store in a segregated and approved area. Store in original container protected from direct sunlight in a dry, cool and well-ventilated area,

## Section 7. Handling and storage

away from incompatible materials (see Section 10) and food and drink. Eliminate all ignition sources. Separate from oxidizing materials. Keep container tightly closed and sealed until ready for use. Containers that have been opened must be carefully resealed and kept upright to prevent leakage. Do not store in unlabeled containers. Use appropriate containment to avoid environmental contamination. See Section 10 for incompatible materials before handling or use.

### 7.3 Specific end use(s)

#### Recommendations

- : Veterinary Drugs Comprehensive Mix - Submix 1 Industrial applications, Professional applications.
- Veterinary Drugs Comprehensive Mix - Submix 2 Industrial applications, Professional applications.
- Veterinary Drugs Comprehensive Mix - Submix 5 Industrial applications, Professional applications.
- Veterinary Drugs Comprehensive Mix - Submix 10 Industrial applications, Professional applications.
- Veterinary Drugs Comprehensive Mix - Submix 3A Industrial applications, Professional applications.
- Veterinary Drugs Comprehensive Mix - Submix 3B Industrial applications, Professional applications.

#### Industrial sector specific solutions

- : Veterinary Drugs Comprehensive Mix - Submix 1 Not applicable.
- Veterinary Drugs Comprehensive Mix - Submix 2 Not applicable.
- Veterinary Drugs Comprehensive Mix - Submix 5 Not applicable.
- Veterinary Drugs Comprehensive Mix - Submix 10 Not applicable.
- Veterinary Drugs Comprehensive Mix - Submix 3A Not applicable.
- Veterinary Drugs Comprehensive Mix - Submix 3B Not applicable.

## Section 8. Exposure controls/personal protection

### 8.1 Control parameters

#### Occupational exposure limits

Ingredient name	Exposure limits
<b>Veterinary Drugs Comprehensive Mix - Submix 1</b> Dimethyl sulfoxide	<b>AIHA WEEL (United States, 10/2011).</b> TWA: 250 ppm 8 hours.
<b>Veterinary Drugs Comprehensive Mix - Submix 2</b> Acetonitrile	<b>ACGIH TLV (United States, 3/2017).</b> <b>Absorbed through skin.</b> TWA: 20 ppm 8 hours. <b>OSHA PEL 1989 (United States, 3/1989).</b> TWA: 40 ppm 8 hours. TWA: 70 mg/m <sup>3</sup> 8 hours. STEL: 60 ppm 15 minutes. STEL: 105 mg/m <sup>3</sup> 15 minutes. <b>NIOSH REL (United States, 10/2016).</b>

## Section 8. Exposure controls/personal protection

<p><b>Veterinary Drugs Comprehensive Mix - Submix 5</b> Dimethyl sulfoxide</p>	<p>TWA: 20 ppm 10 hours. TWA: 34 mg/m<sup>3</sup> 10 hours. <b>OSHA PEL (United States, 6/2016).</b> TWA: 40 ppm 8 hours. TWA: 70 mg/m<sup>3</sup> 8 hours.</p> <p><b>AIHA WEEL (United States, 10/2011).</b> TWA: 250 ppm 8 hours.</p>
<p><b>Veterinary Drugs Comprehensive Mix - Submix 10</b> Acetonitrile</p>	<p><b>ACGIH TLV (United States, 3/2017).</b> <b>Absorbed through skin.</b> TWA: 20 ppm 8 hours. <b>OSHA PEL 1989 (United States, 3/1989).</b> TWA: 40 ppm 8 hours. TWA: 70 mg/m<sup>3</sup> 8 hours. STEL: 60 ppm 15 minutes. STEL: 105 mg/m<sup>3</sup> 15 minutes. <b>NIOSH REL (United States, 10/2016).</b> TWA: 20 ppm 10 hours. TWA: 34 mg/m<sup>3</sup> 10 hours. <b>OSHA PEL (United States, 6/2016).</b> TWA: 40 ppm 8 hours. TWA: 70 mg/m<sup>3</sup> 8 hours.</p>
<p><b>Veterinary Drugs Comprehensive Mix - Submix 3A</b> Dimethyl sulfoxide</p>	<p><b>AIHA WEEL (United States, 10/2011).</b> TWA: 250 ppm 8 hours.</p>
<p><b>Veterinary Drugs Comprehensive Mix - Submix 3B</b> Acetonitrile</p>	<p><b>ACGIH TLV (United States, 3/2017).</b> <b>Absorbed through skin.</b> TWA: 20 ppm 8 hours. <b>OSHA PEL 1989 (United States, 3/1989).</b> TWA: 40 ppm 8 hours. TWA: 70 mg/m<sup>3</sup> 8 hours. STEL: 60 ppm 15 minutes. STEL: 105 mg/m<sup>3</sup> 15 minutes. <b>NIOSH REL (United States, 10/2016).</b> TWA: 20 ppm 10 hours. TWA: 34 mg/m<sup>3</sup> 10 hours. <b>OSHA PEL (United States, 6/2016).</b> TWA: 40 ppm 8 hours. TWA: 70 mg/m<sup>3</sup> 8 hours.</p>

### 8.2 Exposure controls

**Appropriate engineering controls**

: If user operations generate dust, fumes, gas, vapor or mist, use process enclosures, local exhaust ventilation or other engineering controls to keep worker exposure to airborne contaminants below any recommended or statutory limits.

**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 8. Exposure controls/personal protection

### 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: chemical splash goggles.
- Skin protection**
- Hand protection** : When used as intended with Agilent instruments, use of the product is not expected to result in direct contact with the chemical. However, in case of accidental contact with splash wear good quality:
- Submix 1, 3A, 5:**  
Glove material: Chloroprene rubber  
Glove thickness: ≥ 0.5 mm  
Breakthrough time: >30 minutes
- Submix 2, 3B, 4, 6-11:**  
Glove material: Butyl rubber  
Glove thickness: ≥ 0.2 mm  
Breakthrough time: >30 minutes
- While not recommended, if typical disposable laboratory nitrile gloves are used, they need to be removed immediately if contacted with the mixture. When contacted with the product, typical laboratory nitrile gloves have very short breakthrough times, considerably less than 10 minutes.
- 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** :  When used as intended with Agilent instruments, the use of the product under normal laboratory conditions and with standard practices does not result in significant airborne exposures, and, therefore, respiratory protection isn't needed. In emergency situations, when a respirator is needed, use a full-face supplied air respirator and components tested and approved under appropriate government standards such as CEN (EU) or NIOSH (US).

## Section 9. Physical and chemical properties

### 9.1 Information on basic physical and chemical properties

#### Appearance

<b>Physical state</b>	: Veterinary Drugs Comprehensive Mix - Submix 1	Liquid.
	Veterinary Drugs Comprehensive Mix - Submix 2	Liquid.
	Veterinary Drugs Comprehensive Mix - Submix 5	Liquid.
	Veterinary Drugs Comprehensive Mix - Submix 10	Liquid.
	Veterinary Drugs Comprehensive Mix - Submix 3A	Liquid.
	Veterinary Drugs Comprehensive	Liquid.

## Section 9. Physical and chemical properties

	Mix - Submix 3B	
<b>Color</b>	: Veterinary Drugs Comprehensive Mix - Submix 1	Colorless.
	Veterinary Drugs Comprehensive Mix - Submix 2	Not available.
	Veterinary Drugs Comprehensive Mix - Submix 5	Not available.
	Veterinary Drugs Comprehensive Mix - Submix 10	Not available.
	Veterinary Drugs Comprehensive Mix - Submix 3A	Not available.
	Veterinary Drugs Comprehensive Mix - Submix 3B	Not available.
<b>Odor</b>	: Veterinary Drugs Comprehensive Mix - Submix 1	Not available.
	Veterinary Drugs Comprehensive Mix - Submix 2	Not available.
	Veterinary Drugs Comprehensive Mix - Submix 5	Not available.
	Veterinary Drugs Comprehensive Mix - Submix 10	Not available.
	Veterinary Drugs Comprehensive Mix - Submix 3A	Not available.
	Veterinary Drugs Comprehensive Mix - Submix 3B	Not available.
<b>Odor threshold</b>	: Veterinary Drugs Comprehensive Mix - Submix 1	Not available.
	Veterinary Drugs Comprehensive Mix - Submix 2	Not available.
	Veterinary Drugs Comprehensive Mix - Submix 5	Not available.
	Veterinary Drugs Comprehensive Mix - Submix 10	Not available.
	Veterinary Drugs Comprehensive Mix - Submix 3A	Not available.
	Veterinary Drugs Comprehensive Mix - Submix 3B	Not available.
<b>pH</b>	: Veterinary Drugs Comprehensive Mix - Submix 1	Not available.
	Veterinary Drugs Comprehensive Mix - Submix 2	Not available.
	Veterinary Drugs Comprehensive Mix - Submix 5	Not available.
	Veterinary Drugs Comprehensive Mix - Submix 10	Not available.
	Veterinary Drugs Comprehensive Mix - Submix 3A	Not available.
	Veterinary Drugs Comprehensive Mix - Submix 3B	Not available.
<b>Melting point</b>	: Veterinary Drugs Comprehensive Mix - Submix 1	18.5°C (65.3°F)
	Veterinary Drugs Comprehensive Mix - Submix 2	-46°C (-50.8°F)
	Veterinary Drugs Comprehensive Mix - Submix 5	18.5°C (65.3°F)
	Veterinary Drugs Comprehensive	-46°C (-50.8°F)

## Section 9. Physical and chemical properties

	Mix - Submix 10	
	Veterinary Drugs Comprehensive	18.5°C (65.3°F)
	Mix - Submix 3A	
	Veterinary Drugs Comprehensive	-46°C (-50.8°F)
	Mix - Submix 3B	
<b>Boiling point</b>	: Veterinary Drugs Comprehensive	189°C (372.2°F)
	Mix - Submix 1	
	Veterinary Drugs Comprehensive	82°C (179.6°F)
	Mix - Submix 2	
	Veterinary Drugs Comprehensive	189°C (372.2°F)
	Mix - Submix 5	
	Veterinary Drugs Comprehensive	82°C (179.6°F)
	Mix - Submix 10	
	Veterinary Drugs Comprehensive	189°C (372.2°F)
	Mix - Submix 3A	
	Veterinary Drugs Comprehensive	82°C (179.6°F)
	Mix - Submix 3B	
<b>Flash point</b>	: Veterinary Drugs Comprehensive	Open cup: 95°C (203°F)
	Mix - Submix 1	
	Veterinary Drugs Comprehensive	Closed cup: 12.8°C (55°F)
	Mix - Submix 2	
	Veterinary Drugs Comprehensive	Open cup: 95°C (203°F)
	Mix - Submix 5	
	Veterinary Drugs Comprehensive	Closed cup: 12.8°C (55°F)
	Mix - Submix 10	
	Veterinary Drugs Comprehensive	Open cup: 95°C (203°F)
	Mix - Submix 3A	
	Veterinary Drugs Comprehensive	Closed cup: 12.8°C (55°F)
	Mix - Submix 3B	
<b>Evaporation rate</b>	: Veterinary Drugs Comprehensive	Not available.
	Mix - Submix 1	
	Veterinary Drugs Comprehensive	2.33 (butyl acetate = 1)
	Mix - Submix 2	
	Veterinary Drugs Comprehensive	Not available.
	Mix - Submix 5	
	Veterinary Drugs Comprehensive	2.33 (butyl acetate = 1)
	Mix - Submix 10	
	Veterinary Drugs Comprehensive	Not available.
	Mix - Submix 3A	
	Veterinary Drugs Comprehensive	2.33 (butyl acetate = 1)
	Mix - Submix 3B	
<b>Flammability (solid, gas)</b>	: Veterinary Drugs Comprehensive	Not applicable.
	Mix - Submix 1	
	Veterinary Drugs Comprehensive	Not applicable.
	Mix - Submix 2	
	Veterinary Drugs Comprehensive	Not applicable.
	Mix - Submix 5	
	Veterinary Drugs Comprehensive	Not applicable.
	Mix - Submix 10	
	Veterinary Drugs Comprehensive	Not applicable.
	Mix - Submix 3A	
	Veterinary Drugs Comprehensive	Not applicable.
	Mix - Submix 3B	

## Section 9. Physical and chemical properties

<b>Lower and upper explosive (flammable) limits</b>	: Veterinary Drugs Comprehensive Mix - Submix 1	Lower: 2.6%
		Upper: 28.5%
	Veterinary Drugs Comprehensive Mix - Submix 2	Lower: 3%
		Upper: 16%
	Veterinary Drugs Comprehensive Mix - Submix 5	Lower: 2.6%
		Upper: 28.5%
	Veterinary Drugs Comprehensive Mix - Submix 10	Lower: 3%
<b>Vapor pressure</b>		Upper: 16%
	Veterinary Drugs Comprehensive Mix - Submix 3A	Lower: 2.6%
		Upper: 28.5%
	Veterinary Drugs Comprehensive Mix - Submix 3B	Lower: 3%
		Upper: 16%
	: Veterinary Drugs Comprehensive Mix - Submix 1	0.049 kPa (0.37 mm Hg) [room temperature]
	Veterinary Drugs Comprehensive Mix - Submix 2	9.7 kPa (72.75 mm Hg) [room temperature]
<b>Vapor density</b>	Veterinary Drugs Comprehensive Mix - Submix 5	0.049 kPa (0.37 mm Hg) [room temperature]
	Veterinary Drugs Comprehensive Mix - Submix 10	9.7 kPa (72.75 mm Hg) [room temperature]
	Veterinary Drugs Comprehensive Mix - Submix 3A	0.049 kPa (0.37 mm Hg) [room temperature]
	Veterinary Drugs Comprehensive Mix - Submix 3B	9.7 kPa (72.75 mm Hg) [room temperature]
	: Veterinary Drugs Comprehensive Mix - Submix 1	Not available.
	Veterinary Drugs Comprehensive Mix - Submix 2	1.4 [Air = 1]
	Veterinary Drugs Comprehensive Mix - Submix 5	Not available.
<b>Relative density</b>	Veterinary Drugs Comprehensive Mix - Submix 10	1.4 [Air = 1]
	Veterinary Drugs Comprehensive Mix - Submix 3A	Not available.
	Veterinary Drugs Comprehensive Mix - Submix 3B	1.4 [Air = 1]
	: Veterinary Drugs Comprehensive Mix - Submix 1	1.101
	Veterinary Drugs Comprehensive Mix - Submix 2	0.807
	Veterinary Drugs Comprehensive Mix - Submix 5	1.101
	Veterinary Drugs Comprehensive Mix - Submix 10	0.8
	Upper: 16%	
Veterinary Drugs Comprehensive Mix - Submix 3A	1.101	
Veterinary Drugs Comprehensive Mix - Submix 3B	0.807	

## Section 9. Physical and chemical properties

<b>Solubility</b>	: Veterinary Drugs Comprehensive Mix - Submix 1	Easily soluble in the following materials: cold water and hot water.
	: Veterinary Drugs Comprehensive Mix - Submix 2	Soluble in the following materials: cold water and hot water.
	: Veterinary Drugs Comprehensive Mix - Submix 5	Easily soluble in the following materials: cold water and hot water.
	: Veterinary Drugs Comprehensive Mix - Submix 10	Soluble in the following materials: cold water and hot water.
	: Veterinary Drugs Comprehensive Mix - Submix 3A	Easily soluble in the following materials: cold water and hot water.
	: Veterinary Drugs Comprehensive Mix - Submix 3B	Soluble in the following materials: cold water and hot water.
	<b>Partition coefficient: n-octanol/water</b>	: Veterinary Drugs Comprehensive Mix - Submix 1
: Veterinary Drugs Comprehensive Mix - Submix 2		Not available.
: Veterinary Drugs Comprehensive Mix - Submix 5		Not available.
: Veterinary Drugs Comprehensive Mix - Submix 10		Not available.
: Veterinary Drugs Comprehensive Mix - Submix 3A		Not available.
: Veterinary Drugs Comprehensive Mix - Submix 3B		Not available.
<b>Auto-ignition temperature</b>		: Veterinary Drugs Comprehensive Mix - Submix 1
	: Veterinary Drugs Comprehensive Mix - Submix 2	524°C (975.2°F)
	: Veterinary Drugs Comprehensive Mix - Submix 5	215°C (419°F)
	: Veterinary Drugs Comprehensive Mix - Submix 10	524°C (975.2°F)
	: Veterinary Drugs Comprehensive Mix - Submix 3A	215°C (419°F)
	: Veterinary Drugs Comprehensive Mix - Submix 3B	524°C (975.2°F)
	<b>Decomposition temperature</b>	: Veterinary Drugs Comprehensive Mix - Submix 1
: Veterinary Drugs Comprehensive Mix - Submix 2		Not available.
: Veterinary Drugs Comprehensive Mix - Submix 5		140 to 189°C (284 to 372.2°F)
: Veterinary Drugs Comprehensive Mix - Submix 10		Not available.
: Veterinary Drugs Comprehensive Mix - Submix 3A		140 to 189°C (284 to 372.2°F)
: Veterinary Drugs Comprehensive Mix - Submix 3B		Not available.
<b>Viscosity</b>		: Veterinary Drugs Comprehensive Mix - Submix 1
	: Veterinary Drugs Comprehensive Mix - Submix 2	Not available.
	: Veterinary Drugs Comprehensive Mix - Submix 5	Not available.
	: Veterinary Drugs Comprehensive Mix - Submix 10	Not available.
	: Veterinary Drugs Comprehensive Mix - Submix 3A	Not available.

## Section 9. Physical and chemical properties

Veterinary Drugs Comprehensive Mix - Submix 3A	Not available.
Veterinary Drugs Comprehensive Mix - Submix 3B	Not available.

## Section 10. Stability and reactivity

<b>10.1 Reactivity</b>	: Veterinary Drugs Comprehensive Mix - Submix 1	No specific test data related to reactivity available for this product or its ingredients.
	Veterinary Drugs Comprehensive Mix - Submix 2	No specific test data related to reactivity available for this product or its ingredients.
	Veterinary Drugs Comprehensive Mix - Submix 5	No specific test data related to reactivity available for this product or its ingredients.
	Veterinary Drugs Comprehensive Mix - Submix 10	No specific test data related to reactivity available for this product or its ingredients.
	Veterinary Drugs Comprehensive Mix - Submix 3A	No specific test data related to reactivity available for this product or its ingredients.
	Veterinary Drugs Comprehensive Mix - Submix 3B	No specific test data related to reactivity available for this product or its ingredients.
<b>10.2 Chemical stability</b>	: Veterinary Drugs Comprehensive Mix - Submix 1	The product is stable.
	Veterinary Drugs Comprehensive Mix - Submix 2	The product is stable.
	Veterinary Drugs Comprehensive Mix - Submix 5	The product is stable.
	Veterinary Drugs Comprehensive Mix - Submix 10	The product is stable.
	Veterinary Drugs Comprehensive Mix - Submix 3A	The product is stable.
	Veterinary Drugs Comprehensive Mix - Submix 3B	The product is stable.
<b>10.3 Possibility of hazardous reactions</b>	: Veterinary Drugs Comprehensive Mix - Submix 1	Under normal conditions of storage and use, hazardous reactions will not occur.
	Veterinary Drugs Comprehensive Mix - Submix 2	Under normal conditions of storage and use, hazardous reactions will not occur.
	Veterinary Drugs Comprehensive Mix - Submix 5	Under normal conditions of storage and use, hazardous reactions will not occur.
	Veterinary Drugs Comprehensive Mix - Submix 10	Under normal conditions of storage and use, hazardous reactions will not occur.
	Veterinary Drugs Comprehensive Mix - Submix 3A	Under normal conditions of storage and use, hazardous reactions will not occur.
	Veterinary Drugs Comprehensive Mix - Submix 3B	Under normal conditions of storage and use, hazardous reactions will not occur.
<b>10.4 Conditions to avoid</b>	: Veterinary Drugs Comprehensive Mix - Submix 1	No specific data.
	Veterinary Drugs Comprehensive Mix - Submix 2	Avoid all possible sources of ignition (spark or flame). Do not pressurize, cut, weld, braze, solder, drill, grind or expose containers to heat or sources of ignition. Do not allow vapor to accumulate in low or confined areas.
	Veterinary Drugs Comprehensive Mix - Submix 5	No specific data.
	Veterinary Drugs Comprehensive	Avoid all possible sources of ignition (spark or

## Section 10. Stability and reactivity

Mix - Submix 10	flame). Do not pressurize, cut, weld, braze, solder, drill, grind or expose containers to heat or sources of ignition. Do not allow vapor to accumulate in low or confined areas.
Veterinary Drugs Comprehensive Mix - Submix 3A	No specific data.
Veterinary Drugs Comprehensive Mix - Submix 3B	Avoid all possible sources of ignition (spark or flame). Do not pressurize, cut, weld, braze, solder, drill, grind or expose containers to heat or sources of ignition. Do not allow vapor to accumulate in low or confined areas.

**10.5 Incompatible materials** :

Veterinary Drugs Comprehensive Mix - Submix 1	Reactive or incompatible with the following materials: Oxidizing material
Veterinary Drugs Comprehensive Mix - Submix 2	Reactive or incompatible with the following materials: oxidizing materials
Veterinary Drugs Comprehensive Mix - Submix 5	May react or be incompatible with oxidizing materials.
Veterinary Drugs Comprehensive Mix - Submix 10	Reactive or incompatible with the following materials: oxidizing materials
Veterinary Drugs Comprehensive Mix - Submix 3A	May react or be incompatible with oxidizing materials.
Veterinary Drugs Comprehensive Mix - Submix 3B	Reactive or incompatible with the following materials: oxidizing materials

**10.6 Hazardous decomposition products** :

Veterinary Drugs Comprehensive Mix - Submix 1	Under normal conditions of storage and use, hazardous decomposition products should not be produced.
Veterinary Drugs Comprehensive Mix - Submix 2	Under normal conditions of storage and use, hazardous decomposition products should not be produced.
Veterinary Drugs Comprehensive Mix - Submix 5	Under normal conditions of storage and use, hazardous decomposition products should not be produced.
Veterinary Drugs Comprehensive Mix - Submix 10	Under normal conditions of storage and use, hazardous decomposition products should not be produced.
Veterinary Drugs Comprehensive Mix - Submix 3A	Under normal conditions of storage and use, hazardous decomposition products should not be produced.
Veterinary Drugs Comprehensive Mix - Submix 3B	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

## Section 11. Toxicological information

Product/ingredient name	Result	Species	Dose	Exposure
<b>Veterinary Drugs Comprehensive Mix - Submix 1</b> Dimethyl sulfoxide	LD50 Dermal LD50 Oral	Rat Rat	40000 mg/kg 14500 mg/kg	- -
<b>Veterinary Drugs Comprehensive Mix - Submix 2</b> Acetonitrile	LC50 Inhalation Vapor LD50 Oral	Rat Rat	17100 ppm 2460 mg/kg	4 hours -
<b>Veterinary Drugs Comprehensive Mix - Submix 5</b> Dimethyl sulfoxide	LD50 Dermal LD50 Oral	Rat Rat	40000 mg/kg 14500 mg/kg	- -
<b>Veterinary Drugs Comprehensive Mix - Submix 10</b> Acetonitrile	LC50 Inhalation Vapor LD50 Oral	Rat Rat	17100 ppm 2460 mg/kg	4 hours -
<b>Veterinary Drugs Comprehensive Mix - Submix 3A</b> Dimethyl sulfoxide	LD50 Dermal LD50 Oral	Rat Rat	40000 mg/kg 14500 mg/kg	- -
<b>Veterinary Drugs Comprehensive Mix - Submix 3B</b> Acetonitrile	LC50 Inhalation Vapor LD50 Oral	Rat Rat	17100 ppm 2460 mg/kg	4 hours -

### Irritation/Corrosion

Product/ingredient name	Result	Species	Score	Exposure	Observation
<b>Veterinary Drugs Comprehensive Mix - Submix 1</b> Dimethyl sulfoxide	Eyes - Mild irritant	Rabbit	-	24 hours 500 milligrams	-
	Eyes - Mild irritant	Rabbit	-	100 milligrams	-
	Skin - Mild irritant	Rabbit	-	24 hours 500 milligrams	-
	Skin - Mild irritant	Rabbit	-	100 milligrams	-
<b>Veterinary Drugs Comprehensive Mix - Submix 2</b> Acetonitrile	Eyes - Moderate irritant	Rabbit	-	24 hours 100 microliters	-

## Section 11. Toxicological information

<b>Veterinary Drugs Comprehensive Mix - Submix 5</b> Dimethyl sulfoxide	Skin - Mild irritant	Rabbit	-	500 milligrams	-
	Eyes - Mild irritant	Rabbit	-	24 hours 500 milligrams	-
	Eyes - Mild irritant	Rabbit	-	100 milligrams	-
	Skin - Mild irritant	Rabbit	-	24 hours 500 milligrams	-
<b>Veterinary Drugs Comprehensive Mix - Submix 10</b> Acetonitrile	Skin - Mild irritant	Rabbit	-	100 milligrams	-
	Eyes - Moderate irritant	Rabbit	-	24 hours 100 microliters	-
<b>Veterinary Drugs Comprehensive Mix - Submix 3A</b> Dimethyl sulfoxide	Skin - Mild irritant	Rabbit	-	500 milligrams	-
	Eyes - Mild irritant	Rabbit	-	24 hours 500 milligrams	-
	Eyes - Mild irritant	Rabbit	-	100 milligrams	-
	Skin - Mild irritant	Rabbit	-	24 hours 500 milligrams	-
<b>Veterinary Drugs Comprehensive Mix - Submix 3B</b> Acetonitrile	Skin - Mild irritant	Rabbit	-	100 milligrams	-
	Eyes - Moderate irritant	Rabbit	-	24 hours 100 microliters	-
	Skin - Mild irritant	Rabbit	-	500 milligrams	-

### Sensitization

Not available.

### Mutagenicity

**Conclusion/Summary** : Not available.

### Carcinogenicity

**Conclusion/Summary** : Not available.

### Reproductive toxicity

**Conclusion/Summary** : Not available.

### Teratogenicity

**Conclusion/Summary** : Not available.

### Specific target organ toxicity (single exposure)

Not available.

## Section 11. Toxicological information

### Specific target organ toxicity (repeated exposure)

Name	Category	Route of exposure	Target organs
<b>Veterinary Drugs Comprehensive Mix - Submix 2</b> Acetonitrile	Category 2	Not determined	blood system, central nervous system (CNS), kidneys and liver
<b>Veterinary Drugs Comprehensive Mix - Submix 10</b> Acetonitrile	Category 2	Not determined	blood system, central nervous system (CNS), kidneys and liver
<b>Veterinary Drugs Comprehensive Mix - Submix 3B</b> Acetonitrile	Category 2	Not determined	blood system, central nervous system (CNS), kidneys and liver

### Aspiration hazard

Not available.

### Information on the likely routes of exposure

: Veterinary Drugs Comprehensive Mix - Submix 1	Routes of entry anticipated: Oral, Dermal, Inhalation.
: Veterinary Drugs Comprehensive Mix - Submix 2	Routes of entry anticipated: Oral, Dermal, Inhalation.
: Veterinary Drugs Comprehensive Mix - Submix 5	Routes of entry anticipated: Oral, Dermal, Inhalation.
: Veterinary Drugs Comprehensive Mix - Submix 10	Routes of entry anticipated: Oral, Dermal, Inhalation.
: Veterinary Drugs Comprehensive Mix - Submix 3A	Routes of entry anticipated: Oral, Dermal, Inhalation.
: Veterinary Drugs Comprehensive Mix - Submix 3B	Routes of entry anticipated: Oral, Dermal, Inhalation.

### Potential acute health effects

#### Eye contact

: Veterinary Drugs Comprehensive Mix - Submix 1	Causes eye irritation.
: Veterinary Drugs Comprehensive Mix - Submix 2	Causes serious eye irritation.
: Veterinary Drugs Comprehensive Mix - Submix 5	Causes eye irritation.
: Veterinary Drugs Comprehensive Mix - Submix 10	Causes serious eye irritation.
: Veterinary Drugs Comprehensive Mix - Submix 3A	Causes eye irritation.
: Veterinary Drugs Comprehensive Mix - Submix 3B	Causes serious eye irritation.

## Section 11. Toxicological information

<b>Inhalation</b>	: Veterinary Drugs Comprehensive Mix - Submix 1	No known significant effects or critical hazards.
	: Veterinary Drugs Comprehensive Mix - Submix 2	Harmful if inhaled.
	: Veterinary Drugs Comprehensive Mix - Submix 5	No known significant effects or critical hazards.
	: Veterinary Drugs Comprehensive Mix - Submix 10	Harmful if inhaled.
	: Veterinary Drugs Comprehensive Mix - Submix 3A	No known significant effects or critical hazards.
	: Veterinary Drugs Comprehensive Mix - Submix 3B	Harmful if inhaled.
<b>Skin contact</b>	: Veterinary Drugs Comprehensive Mix - Submix 1	No known significant effects or critical hazards.
	: Veterinary Drugs Comprehensive Mix - Submix 2	Harmful in contact with skin.
	: Veterinary Drugs Comprehensive Mix - Submix 5	No known significant effects or critical hazards.
	: Veterinary Drugs Comprehensive Mix - Submix 10	Harmful in contact with skin.
	: Veterinary Drugs Comprehensive Mix - Submix 3A	No known significant effects or critical hazards.
	: Veterinary Drugs Comprehensive Mix - Submix 3B	Harmful in contact with skin.
<b>Ingestion</b>	: Veterinary Drugs Comprehensive Mix - Submix 1	No known significant effects or critical hazards.
	: Veterinary Drugs Comprehensive Mix - Submix 2	Harmful if swallowed.
	: Veterinary Drugs Comprehensive Mix - Submix 5	No known significant effects or critical hazards.
	: Veterinary Drugs Comprehensive Mix - Submix 10	Harmful if swallowed.
	: Veterinary Drugs Comprehensive Mix - Submix 3A	No known significant effects or critical hazards.
	: Veterinary Drugs Comprehensive Mix - Submix 3B	Harmful if swallowed.

### Symptoms related to the physical, chemical and toxicological characteristics

<b>Eye contact</b>	: Veterinary Drugs Comprehensive Mix - Submix 1	Adverse symptoms may include the following: irritation watering redness
	: Veterinary Drugs Comprehensive Mix - Submix 2	Adverse symptoms may include the following: pain or irritation watering redness
	: Veterinary Drugs Comprehensive Mix - Submix 5	Adverse symptoms may include the following: irritation watering redness
	: Veterinary Drugs Comprehensive Mix - Submix 10	Adverse symptoms may include the following: pain or irritation

## Section 11. Toxicological information

	Veterinary Drugs Comprehensive Mix - Submix 3A	watering redness Adverse symptoms may include the following:
	Veterinary Drugs Comprehensive Mix - Submix 3B	irritation watering redness Adverse symptoms may include the following:
<b>Inhalation</b>	: Veterinary Drugs Comprehensive Mix - Submix 1	No specific data.
	Veterinary Drugs Comprehensive Mix - Submix 2	No specific data.
	Veterinary Drugs Comprehensive Mix - Submix 5	No specific data.
	Veterinary Drugs Comprehensive Mix - Submix 10	No specific data.
	Veterinary Drugs Comprehensive Mix - Submix 3A	No specific data.
	Veterinary Drugs Comprehensive Mix - Submix 3B	No specific data.
<b>Skin contact</b>	: Veterinary Drugs Comprehensive Mix - Submix 1	No specific data.
	Veterinary Drugs Comprehensive Mix - Submix 2	No specific data.
	Veterinary Drugs Comprehensive Mix - Submix 5	No specific data.
	Veterinary Drugs Comprehensive Mix - Submix 10	No specific data.
	Veterinary Drugs Comprehensive Mix - Submix 3A	No specific data.
	Veterinary Drugs Comprehensive Mix - Submix 3B	No specific data.
<b>Ingestion</b>	: Veterinary Drugs Comprehensive Mix - Submix 1	No specific data.
	Veterinary Drugs Comprehensive Mix - Submix 2	No specific data.
	Veterinary Drugs Comprehensive Mix - Submix 5	No specific data.
	Veterinary Drugs Comprehensive Mix - Submix 10	No specific data.
	Veterinary Drugs Comprehensive Mix - Submix 3A	No specific data.
	Veterinary Drugs Comprehensive Mix - Submix 3B	No specific data.

### Delayed and immediate effects and also chronic effects from short and long term exposure

#### Short term exposure

**Potential immediate effects** : Not available.

**Potential delayed effects** : Not available.

#### Long term exposure

## Section 11. Toxicological information

**Potential immediate effects** : Not available.

**Potential delayed effects** : Not available.

### Potential chronic health effects

<b>General</b>	: Veterinary Drugs Comprehensive Mix - Submix 1 Veterinary Drugs Comprehensive Mix - Submix 2 Veterinary Drugs Comprehensive Mix - Submix 5 Veterinary Drugs Comprehensive Mix - Submix 10 Veterinary Drugs Comprehensive Mix - Submix 3A Veterinary Drugs Comprehensive Mix - Submix 3B	No known significant effects or critical hazards. May cause damage to organs through prolonged or repeated exposure. No known significant effects or critical hazards. May cause damage to organs through prolonged or repeated exposure. No known significant effects or critical hazards. May cause damage to organs through prolonged or repeated exposure.
<b>Carcinogenicity</b>	: Veterinary Drugs Comprehensive Mix - Submix 1 Veterinary Drugs Comprehensive Mix - Submix 2 Veterinary Drugs Comprehensive Mix - Submix 5 Veterinary Drugs Comprehensive Mix - Submix 10 Veterinary Drugs Comprehensive Mix - Submix 3A Veterinary Drugs Comprehensive Mix - Submix 3B	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.
<b>Mutagenicity</b>	: Veterinary Drugs Comprehensive Mix - Submix 1 Veterinary Drugs Comprehensive Mix - Submix 2 Veterinary Drugs Comprehensive Mix - Submix 5 Veterinary Drugs Comprehensive Mix - Submix 10 Veterinary Drugs Comprehensive Mix - Submix 3A Veterinary Drugs Comprehensive Mix - Submix 3B	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.
<b>Teratogenicity</b>	: Veterinary Drugs Comprehensive Mix - Submix 1 Veterinary Drugs Comprehensive Mix - Submix 2 Veterinary Drugs Comprehensive Mix - Submix 5 Veterinary Drugs Comprehensive Mix - Submix 10 Veterinary Drugs Comprehensive Mix - Submix 3A Veterinary Drugs Comprehensive Mix - Submix 3B	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.

## Section 11. Toxicological information

<b>Developmental effects</b>	: Veterinary Drugs Comprehensive Mix - Submix 1	No known significant effects or critical hazards.
	: Veterinary Drugs Comprehensive Mix - Submix 2	No known significant effects or critical hazards.
	: Veterinary Drugs Comprehensive Mix - Submix 5	No known significant effects or critical hazards.
	: Veterinary Drugs Comprehensive Mix - Submix 10	No known significant effects or critical hazards.
	: Veterinary Drugs Comprehensive Mix - Submix 3A	No known significant effects or critical hazards.
	: Veterinary Drugs Comprehensive Mix - Submix 3B	No known significant effects or critical hazards.
<b>Fertility effects</b>	: Veterinary Drugs Comprehensive Mix - Submix 1	No known significant effects or critical hazards.
	: Veterinary Drugs Comprehensive Mix - Submix 2	No known significant effects or critical hazards.
	: Veterinary Drugs Comprehensive Mix - Submix 5	No known significant effects or critical hazards.
	: Veterinary Drugs Comprehensive Mix - Submix 10	No known significant effects or critical hazards.
	: Veterinary Drugs Comprehensive Mix - Submix 3A	No known significant effects or critical hazards.
	: Veterinary Drugs Comprehensive Mix - Submix 3B	No known significant effects or critical hazards.

### Numerical measures of toxicity

#### Acute toxicity estimates

Route	ATE value
<b>Veterinary Drugs Comprehensive Mix - Submix 2, Part Number 5190-0570</b>	
Oral	571.9 mg/kg
Dermal	1120.8 mg/kg
Inhalation (dust/mist)	12.58 mg/l
<b>Veterinary Drugs Comprehensive Mix - Submix 10, Part Number 5190-0578</b>	
Oral	570.8 mg/kg
Dermal	1118.8 mg/kg
Inhalation (dust/mist)	12.56 mg/l
<b>Veterinary Drugs Comprehensive Mix - Submix 3B</b>	
Oral	572.1 mg/kg
Dermal	1121.3 mg/kg
Inhalation (dust/mist)	12.59 mg/l

## Section 12. Ecological information

### 12.1 Toxicity

Product/ingredient name	Result	Species	Exposure
<b>Veterinary Drugs Comprehensive Mix - Submix 1</b> Dimethyl sulfoxide	Acute LC50 25000 ppm Fresh water	Daphnia - Daphnia magna - Neonate	48 hours
	Acute LC50 34000000 µg/l Fresh water	Fish - Pimephales promelas	96 hours
	Chronic NOEC 100 ul/L Marine water	Algae - Ulva lactuca	72 hours
<b>Veterinary Drugs Comprehensive Mix - Submix 2</b> Acetonitrile	Acute IC50 3685000 µg/l Fresh water	Aquatic plants - Lemna minor	96 hours
	Acute LC50 3600000 µg/l Fresh water	Daphnia - Daphnia magna	48 hours
	Acute LC50 1000000 µg/l Fresh water	Fish - Pimephales promelas	96 hours
	Chronic NOEC 1000000 µg/l Fresh water	Aquatic plants - Lemna minor	96 hours
	Chronic NOEC 160000 µg/l Fresh water	Daphnia - Daphnia magna	21 days
<b>Veterinary Drugs Comprehensive Mix - Submix 5</b> Dimethyl sulfoxide	Acute LC50 25000 ppm Fresh water	Daphnia - Daphnia magna - Neonate	48 hours
	Acute LC50 34000000 µg/l Fresh water	Fish - Pimephales promelas	96 hours
	Chronic NOEC 100 ul/L Marine water	Algae - Ulva lactuca	72 hours
<b>Veterinary Drugs Comprehensive Mix - Submix 10</b> Acetonitrile	Acute IC50 3685000 µg/l Fresh water	Aquatic plants - Lemna minor	96 hours
	Acute LC50 3600000 µg/l Fresh water	Daphnia - Daphnia magna	48 hours
	Acute LC50 1000000 µg/l Fresh water	Fish - Pimephales promelas	96 hours
	Chronic NOEC 1000000 µg/l Fresh water	Aquatic plants - Lemna minor	96 hours
	Chronic NOEC 160000 µg/l Fresh water	Daphnia - Daphnia magna	21 days
<b>Veterinary Drugs Comprehensive Mix - Submix 3A</b> Dimethyl sulfoxide	Acute LC50 25000 ppm Fresh water	Daphnia - Daphnia magna - Neonate	48 hours
	Acute LC50 34000000 µg/l Fresh water	Fish - Pimephales promelas	96 hours
	Chronic NOEC 100 ul/L Marine water	Algae - Ulva lactuca	72 hours
<b>Veterinary Drugs Comprehensive Mix - Submix 3B</b> Acetonitrile	Acute IC50 3685000 µg/l Fresh water	Aquatic plants - Lemna minor	96 hours
	Acute LC50 3600000 µg/l Fresh water	Daphnia - Daphnia magna	48 hours
	Acute LC50 1000000 µg/l Fresh water	Fish - Pimephales promelas	96 hours
	Chronic NOEC 1000000 µg/l Fresh water	Aquatic plants - Lemna minor	96 hours
	Chronic NOEC 160000 µg/l Fresh water	Daphnia - Daphnia magna	21 days

### 12.2 Persistence and degradability

## Section 12. Ecological information

Product/ingredient name	Aquatic half-life	Photolysis	Biodegradability
<b>Veterinary Drugs Comprehensive Mix - Submix 2</b> Acetonitrile	-	-	Readily
<b>Veterinary Drugs Comprehensive Mix - Submix 10</b> Acetonitrile	-	-	Readily
<b>Veterinary Drugs Comprehensive Mix - Submix 3B</b> Acetonitrile	-	-	Readily

### 12.3 Bioaccumulative potential

Product/ingredient name	LogP <sub>ow</sub>	BCF	Potential
<b>Veterinary Drugs Comprehensive Mix - Submix 1</b> Dimethyl sulfoxide	-1.35	3.16	low
<b>Veterinary Drugs Comprehensive Mix - Submix 2</b> Acetonitrile	-0.34	3	low
<b>Veterinary Drugs Comprehensive Mix - Submix 5</b> Dimethyl sulfoxide	-1.35	3.16	low
<b>Veterinary Drugs Comprehensive Mix - Submix 10</b> Acetonitrile	-0.34	3	low
<b>Veterinary Drugs Comprehensive Mix - Submix 3A</b> Dimethyl sulfoxide	-1.35	3.16	low
<b>Veterinary Drugs Comprehensive Mix - Submix 3B</b> Acetonitrile	-0.34	3	low

### 12.4 Mobility in soil

Soil/water partition coefficient (K<sub>oc</sub>) : Not available.

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

## Section 13. Disposal considerations

### 13.1 Waste treatment methods

#### Disposal methods

The generation of waste should be avoided or minimized 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. Care should be taken when handling emptied containers that have not been cleaned or rinsed out. Empty containers or liners may retain some product residues. Avoid dispersal of spilled material and runoff and contact with soil, waterways, drains and sewers.

#### United States - RCRA Toxic hazardous waste "U" List

Ingredient	CAS #	Status	Reference number
Veterinary Drugs Comprehensive Mix - Submix 2 Acetonitrile (I,T)	75-05-8	Listed	U003
Veterinary Drugs Comprehensive Mix - Submix 10 Acetonitrile (I,T)	75-05-8	Listed	U003
Veterinary Drugs Comprehensive Mix - Submix 3B Acetonitrile (I,T)	75-05-8	Listed	U003

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

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

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

## Section 14. Transport information

DOT / TDG / Mexico / IMDG / IATA : Not regulated.

IATA

#### Additional information

Remarks: De minimis quantities

**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

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

**U.S. Federal regulations** : TSCA 8(a) PAIR: Acetonitrile; dapsone  
 TSCA 8(a) CDR Exempt/Partial exemption: Not determined  
 Clean Water Act (CWA) 307: Acetonitrile

**Clean Air Act Section 112 (b) Hazardous Air Pollutants (HAPs)** : Listed  
**Clean Air Act Section 602 Class I Substances** : Not listed  
**Clean Air Act Section 602 Class II Substances** : Not listed  
**DEA List I Chemicals (Precursor Chemicals)** : Not listed  
**DEA List II Chemicals (Essential Chemicals)** : Not listed

#### SARA 302/304

##### Composition/information on ingredients

No products were found.

**SARA 304 RQ** : Not applicable.

#### SARA 311/312

##### **Classification**

Veterinary Drugs Comprehensive Mix - Submix 1	EYE IRRITATION - Category 2B
Veterinary Drugs Comprehensive Mix - Submix 2	FLAMMABLE LIQUIDS - Category 2
	ACUTE TOXICITY (oral) - Category 4
	ACUTE TOXICITY (dermal) - Category 4
	ACUTE TOXICITY (inhalation) - Category 4
	EYE IRRITATION - Category 2A
	SPECIFIC TARGET ORGAN TOXICITY (REPEATED EXPOSURE) (blood system, central nervous system (CNS), kidneys, liver) - Category 2
Veterinary Drugs Comprehensive Mix - Submix 5	EYE IRRITATION - Category 2B
Veterinary Drugs Comprehensive Mix - Submix 10	FLAMMABLE LIQUIDS - Category 2
	ACUTE TOXICITY (oral) - Category 4
	ACUTE TOXICITY (dermal) - Category 4
	ACUTE TOXICITY (inhalation) - Category 4
	EYE IRRITATION - Category 2A
	SPECIFIC TARGET ORGAN TOXICITY (REPEATED EXPOSURE) (blood system, central nervous system (CNS), kidneys, liver) - Category 2
Veterinary Drugs Comprehensive Mix - Submix 3A	EYE IRRITATION - Category 2B
Veterinary Drugs Comprehensive Mix - Submix 3B	FLAMMABLE LIQUIDS - Category 2
	ACUTE TOXICITY (oral) - Category 4
	ACUTE TOXICITY (dermal) - Category 4
	ACUTE TOXICITY (inhalation) - Category 4
	EYE IRRITATION - Category 2A
	SPECIFIC TARGET ORGAN TOXICITY (REPEATED EXPOSURE) (blood system, central nervous system (CNS), kidneys, liver) - Category 2

##### Composition/information on ingredients

## Section 15. Regulatory information

Name	%	Classification
<b>Veterinary Drugs Comprehensive Mix - Submix 1</b> Dimethyl sulfoxide	≥90	FLAMMABLE LIQUIDS - Category 4 EYE IRRITATION - Category 2A
<b>Veterinary Drugs Comprehensive Mix - Submix 2</b> Acetonitrile	≥75 - ≤90	FLAMMABLE LIQUIDS - Category 2 ACUTE TOXICITY (oral) - Category 4 ACUTE TOXICITY (dermal) - Category 4 ACUTE TOXICITY (inhalation) - Category 4 EYE IRRITATION - Category 2A SPECIFIC TARGET ORGAN TOXICITY (REPEATED EXPOSURE) (blood system, central nervous system (CNS), kidneys, liver) - Category 2
<b>Veterinary Drugs Comprehensive Mix - Submix 5</b> Dimethyl sulfoxide	≥90	FLAMMABLE LIQUIDS - Category 4 EYE IRRITATION - Category 2A
<b>Veterinary Drugs Comprehensive Mix - Submix 10</b> Acetonitrile	≥75 - ≤90	FLAMMABLE LIQUIDS - Category 2 ACUTE TOXICITY (oral) - Category 4 ACUTE TOXICITY (dermal) - Category 4 ACUTE TOXICITY (inhalation) - Category 4 EYE IRRITATION - Category 2A SPECIFIC TARGET ORGAN TOXICITY (REPEATED EXPOSURE) (blood system, central nervous system (CNS), kidneys, liver) - Category 2
<b>Veterinary Drugs Comprehensive Mix - Submix 3A</b> Dimethyl sulfoxide	≥90	FLAMMABLE LIQUIDS - Category 4 EYE IRRITATION - Category 2A
<b>Veterinary Drugs Comprehensive Mix - Submix 3B</b> Acetonitrile	≥75 - ≤90	FLAMMABLE LIQUIDS - Category 2 ACUTE TOXICITY (oral) - Category 4 ACUTE TOXICITY (dermal) - Category 4 ACUTE TOXICITY (inhalation) - Category 4 EYE IRRITATION - Category 2A SPECIFIC TARGET ORGAN TOXICITY (REPEATED EXPOSURE) (blood system, central nervous system (CNS), kidneys, liver) - Category 2

### SARA 313

	Product name	CAS number	%
<b>Form R - Reporting requirements</b>	<b>Veterinary Drugs Comprehensive Mix - Submix 2</b> Acetonitrile	75-05-8	≥75 - ≤90
	<b>Veterinary Drugs Comprehensive Mix - Submix 10</b> Acetonitrile	75-05-8	≥75 - ≤90

## Section 15. Regulatory information


	<b>Veterinary Drugs Comprehensive Mix - Submix 3B</b> Acetonitrile	75-05-8	≥75 - ≤90
<b>Supplier notification</b>	<b>Veterinary Drugs Comprehensive Mix - Submix 2</b> Acetonitrile	75-05-8	≥75 - ≤90
	<b>Veterinary Drugs Comprehensive Mix - Submix 10</b> Acetonitrile	75-05-8	≥75 - ≤90
	<b>Veterinary Drugs Comprehensive Mix - Submix 3B</b> Acetonitrile	75-05-8	≥75 - ≤90

SARA 313 notifications must not be detached from the SDS and any copying and redistribution of the SDS shall include copying and redistribution of the notice attached to copies of the SDS subsequently redistributed.

### State regulations

- Massachusetts** : The following components are listed: ACETONITRILE
- New York** : The following components are listed: Acetonitrile; Ethanenitrile
- New Jersey** : The following components are listed: DIMETHYL SULFOXIDE; METHANE, SULFINYLBIIS-; ACETONITRILE; CYANOMETHANE
- Pennsylvania** : The following components are listed: ACETONITRILE

### California Prop. 65

 **WARNING:** This product can expose you to chemicals including Chloramphenicol, which is known to the State of California to cause cancer, and Abamectin, Mebendazole, Doxycycline hyclate, which are known to the State of California to cause birth defects or other reproductive harm. For more information go to [www.P65Warnings.ca.gov](http://www.P65Warnings.ca.gov).

<b>Ingredient name</b>	<b>No significant risk level</b>	<b>Maximum acceptable dosage level</b>
<b>Veterinary Drugs Comprehensive Mix - Submix 1</b> Abamectin Mebendazole	- -	Yes. -
<b>Veterinary Drugs Comprehensive Mix - Submix 10</b> Doxycycline hyclate	-	-
<b>Veterinary Drugs Comprehensive Mix - Submix 3A</b> Chloramphenicol	-	-

### 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

## Section 15. Regulatory information

Not listed.

### Inventory list

<b>Australia</b>	: Not determined.
<b>Canada</b>	: Not determined.
<b>China</b>	: Not determined.
<b>Europe</b>	: Not determined.
<b>Japan</b>	: <b>Japan inventory (ENCS):</b> Not determined. <b>Japan inventory (ISHL):</b> Not determined.
<b>Malaysia</b>	: Not determined.
<b>New Zealand</b>	: Not determined.
<b>Philippines</b>	: Not determined.
<b>Republic of Korea</b>	: Not determined.
<b>Taiwan</b>	: Not determined.
<b>Thailand</b>	: <input checked="" type="checkbox"/> Not determined.
<b>Turkey</b>	: Not determined.
<b>United States</b>	: Not determined.
<b>Viet Nam</b>	: <input checked="" type="checkbox"/> Not determined.

## Section 16. Other information

### History

<b>Date of issue</b>	: 04/27/2018
<b>Date of previous issue</b>	: 07/29/2016
<b>Version</b>	: 3

### Procedure used to derive the classification

Classification	Justification
<b><input checked="" type="checkbox"/> Veterinary Drugs Comprehensive Mix - Submix 1</b> EYE IRRITATION - Category 2B	Calculation method
<b>Veterinary Drugs Comprehensive Mix - Submix 2</b> FLAMMABLE LIQUIDS - Category 2 ACUTE TOXICITY (oral) - Category 4 ACUTE TOXICITY (dermal) - Category 4 ACUTE TOXICITY (inhalation) - Category 4 EYE IRRITATION - Category 2A SPECIFIC TARGET ORGAN TOXICITY (REPEATED EXPOSURE) (blood system, central nervous system (CNS), kidneys, liver) - Category 2	On basis of test data Calculation method Calculation method Calculation method Calculation method Calculation method
<b>Veterinary Drugs Comprehensive Mix - Submix 5</b> EYE IRRITATION - Category 2B	Calculation method
<b>Veterinary Drugs Comprehensive Mix - Submix 10</b> FLAMMABLE LIQUIDS - Category 2 ACUTE TOXICITY (oral) - Category 4 ACUTE TOXICITY (dermal) - Category 4 ACUTE TOXICITY (inhalation) - Category 4 EYE IRRITATION - Category 2A SPECIFIC TARGET ORGAN TOXICITY (REPEATED EXPOSURE) (blood system, central nervous system (CNS), kidneys, liver) - Category 2	On basis of test data Calculation method Calculation method Calculation method Calculation method Calculation method
<b>Veterinary Drugs Comprehensive Mix - Submix 3A</b>	

## Section 16. Other information

<p>EYE IRRITATION - Category 2B</p> <p><b>Veterinary Drugs Comprehensive Mix - Submix 3B</b></p> <p>FLAMMABLE LIQUIDS - Category 2</p> <p>ACUTE TOXICITY (oral) - Category 4</p> <p>ACUTE TOXICITY (dermal) - Category 4</p> <p>ACUTE TOXICITY (inhalation) - Category 4</p> <p>EYE IRRITATION - Category 2A</p> <p>SPECIFIC TARGET ORGAN TOXICITY (REPEATED EXPOSURE) (blood system, central nervous system (CNS), kidneys, liver) - Category 2</p>	<p>Calculation method</p> <p>On basis of test data</p> <p>Calculation method</p> <p>Calculation method</p> <p>Calculation method</p> <p>Calculation method</p> <p>Calculation method</p>
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✔ Indicates information that has changed from previously issued version.

### Notice to reader

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