

# SAFETY DATA SHEET



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

## Section 1. Identification

**Product identifier** : Veterinary Drugs Comprehensive Mix - Box 2 of 2, Part Number 5190-0554A

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

**Part no.** :

Veterinary Drugs Comprehensive Mix - Submix 4	5190-0572
Veterinary Drugs Comprehensive Mix - Submix 6	5190-0574
Veterinary Drugs Comprehensive Mix - Submix 7	5190-0575
Veterinary Drugs Comprehensive Mix - Submix 8	5190-0576
Veterinary Drugs Comprehensive Mix - Submix 9	5190-0577
Veterinary Drugs Comprehensive Mix - Submix 11	5190-6166

### 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 4 1 ml
- Veterinary Drugs Comprehensive Mix - Submix 6 1 ml
- Veterinary Drugs Comprehensive Mix - Submix 7 1 ml
- Veterinary Drugs Comprehensive Mix - Submix 8 1 ml
- Veterinary Drugs Comprehensive Mix - Submix 9 1 ml
- Veterinary Drugs Comprehensive Mix - Submix 11 1 ml

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

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

## Section 2. Hazard(s) identification

### Classification of the substance or mixture

**Veterinary Drugs Comprehensive Mix - Submix 4**

H225	FLAMMABLE LIQUIDS - Category 2
H302	ACUTE TOXICITY (oral) - Category 4
H312	ACUTE TOXICITY (dermal) - Category 4
H332	ACUTE TOXICITY (inhalation) - Category 4
H319	SERIOUS EYE DAMAGE/EYE IRRITATION - Category 2A

**Veterinary Drugs**

## Section 2. Hazard(s) identification

### Comprehensive Mix -

#### Submix 6

H225	FLAMMABLE LIQUIDS - Category 2
H302	ACUTE TOXICITY (oral) - Category 4
H312	ACUTE TOXICITY (dermal) - Category 4
H332	ACUTE TOXICITY (inhalation) - Category 4
H319	SERIOUS EYE DAMAGE/EYE IRRITATION - Category 2A
H400	SHORT-TERM (ACUTE) AQUATIC HAZARD - Category 1
H410	LONG-TERM (CHRONIC) AQUATIC HAZARD - Category 1

### Veterinary Drugs

#### Comprehensive Mix -

#### Submix 7

H225	FLAMMABLE LIQUIDS - Category 2
H302	ACUTE TOXICITY (oral) - Category 4
H312	ACUTE TOXICITY (dermal) - Category 4
H332	ACUTE TOXICITY (inhalation) - Category 4
H319	SERIOUS EYE DAMAGE/EYE IRRITATION - Category 2A

### Veterinary Drugs

#### Comprehensive Mix -

#### Submix 8

H225	FLAMMABLE LIQUIDS - Category 2
H302	ACUTE TOXICITY (oral) - Category 4
H312	ACUTE TOXICITY (dermal) - Category 4
H332	ACUTE TOXICITY (inhalation) - Category 4
H319	SERIOUS EYE DAMAGE/EYE IRRITATION - Category 2A
H411	LONG-TERM (CHRONIC) AQUATIC HAZARD - Category 2

### Veterinary Drugs

#### Comprehensive Mix -

#### Submix 9

H225	FLAMMABLE LIQUIDS - Category 2
H302	ACUTE TOXICITY (oral) - Category 4
H312	ACUTE TOXICITY (dermal) - Category 4
H332	ACUTE TOXICITY (inhalation) - Category 4
H319	SERIOUS EYE DAMAGE/EYE IRRITATION - Category 2A

### Veterinary Drugs

#### Comprehensive Mix -

#### Submix 11

H225	FLAMMABLE LIQUIDS - Category 2
H302	ACUTE TOXICITY (oral) - Category 4
H312	ACUTE TOXICITY (dermal) - Category 4
H332	ACUTE TOXICITY (inhalation) - Category 4
H319	SERIOUS EYE DAMAGE/EYE IRRITATION - Category 2A

[GHS label elements](#)

## Section 2. Hazard(s) identification

### Hazard pictograms

: <input checked="" type="checkbox"/> Veterinary Drugs Comprehensive Mix - Submix 4	
Veterinary Drugs Comprehensive Mix - Submix 6	
Veterinary Drugs Comprehensive Mix - Submix 7	
Veterinary Drugs Comprehensive Mix - Submix 8	
Veterinary Drugs Comprehensive Mix - Submix 9	
Veterinary Drugs Comprehensive Mix - Submix 11	

### Signal word

: <input checked="" type="checkbox"/> Veterinary Drugs Comprehensive Mix - Submix 4	DANGER
Veterinary Drugs Comprehensive Mix - Submix 6	DANGER
Veterinary Drugs Comprehensive Mix - Submix 7	DANGER
Veterinary Drugs Comprehensive Mix - Submix 8	DANGER
Veterinary Drugs Comprehensive Mix - Submix 9	DANGER
Veterinary Drugs Comprehensive Mix - Submix 11	DANGER

### Hazard statements

: <input checked="" type="checkbox"/> Veterinary Drugs Comprehensive Mix - Submix 4	H225 - Highly flammable liquid and vapour.  H302 + H312 + H332 - Harmful if swallowed, in contact with skin or if inhaled. H319 - Causes serious eye irritation.
Veterinary Drugs Comprehensive Mix - Submix 6	H225 - Highly flammable liquid and vapour.  H302 + H312 + H332 - Harmful if swallowed, in contact with skin or if inhaled. H319 - Causes serious eye irritation. H410 - Very toxic to aquatic life with long lasting effects.

## Section 2. Hazard(s) identification

<p>Veterinary Drugs Comprehensive Mix - Submix 7</p>	<p>H225 - Highly flammable liquid and vapour.</p> <p>H302 + H312 + H332 - Harmful if swallowed, in contact with skin or if inhaled. H319 - Causes serious eye irritation.</p>
<p>Veterinary Drugs Comprehensive Mix - Submix 8</p>	<p>H225 - Highly flammable liquid and vapour.</p> <p>H302 + H312 + H332 - Harmful if swallowed, in contact with skin or if inhaled. H319 - Causes serious eye irritation. H411 - Toxic to aquatic life with long lasting effects.</p>
<p>Veterinary Drugs Comprehensive Mix - Submix 9</p>	<p>H225 - Highly flammable liquid and vapour.</p> <p>H302 + H312 + H332 - Harmful if swallowed, in contact with skin or if inhaled. H319 - Causes serious eye irritation.</p>
<p>Veterinary Drugs Comprehensive Mix - Submix 11</p>	<p>H225 - Highly flammable liquid and vapour.</p> <p>H302 + H312 + H332 - Harmful if swallowed, in contact with skin or if inhaled. H319 - Causes serious eye irritation.</p>
<p>Veterinary Drugs Comprehensive Mix - Submix 4</p>	<p>H302 + H312 + H332 - Harmful if swallowed, in contact with skin or if inhaled. H319 - Causes serious eye irritation.</p>

### Precautionary statements

#### Prevention

<p>Veterinary Drugs Comprehensive Mix - Submix 4</p>	<p>P280 - Wear protective gloves. Wear eye or face protection. Wear protective clothing.</p> <p>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. P261 - Avoid breathing vapour. P270 - Do not eat, drink or smoke when using this product. P264 - Wash hands thoroughly after handling.</p>
<p>Veterinary Drugs Comprehensive Mix - Submix 6</p>	<p>P280 - Wear protective gloves. Wear eye or face protection. Wear protective clothing.</p> <p>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. P273 - Avoid release to the environment. P261 - Avoid breathing vapour. P270 - Do not eat, drink or smoke when using this product. P264 - Wash hands thoroughly after handling.</p>
<p>Veterinary Drugs Comprehensive Mix - Submix 7</p>	<p>P280 - Wear protective gloves. Wear eye or face protection. Wear protective clothing.</p> <p>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. P273 - Avoid release to the environment. P261 - Avoid breathing vapour. P270 - Do not eat, drink or smoke when using this product. P264 - Wash hands thoroughly after handling.</p>

## Section 2. Hazard(s) identification

Veterinary Drugs  
Comprehensive Mix -  
Submix 8

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.  
P261 - Avoid breathing vapour.  
P270 - Do not eat, drink or smoke when using this product.  
P264 - Wash hands thoroughly after handling.  
P280 - Wear protective gloves. Wear eye or face protection. Wear protective clothing.

Veterinary Drugs  
Comprehensive Mix -  
Submix 9

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.  
P273 - Avoid release to the environment.  
P261 - Avoid breathing vapour.  
P270 - Do not eat, drink or smoke when using this product.  
P264 - Wash hands thoroughly after handling.  
P280 - Wear protective gloves. Wear eye or face protection. Wear protective clothing.

Veterinary Drugs  
Comprehensive Mix -  
Submix 11

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.  
P261 - Avoid breathing vapour.  
P270 - Do not eat, drink or smoke when using this product.  
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.  
P261 - Avoid breathing vapour.  
P270 - Do not eat, drink or smoke when using this product.  
P264 - Wash hands thoroughly after handling.

## Section 2. Hazard(s) identification

**Response**

Veterinary Drugs Comprehensive Mix - Submix 4	P304 + P340 + P312 - IF INHALED: Remove victim to fresh air and keep at rest in a position 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 - IF ON SKIN: Wash with plenty of soap and water. Call a POISON CENTER or physician if you feel unwell. 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. P391 - Collect spillage.
Veterinary Drugs Comprehensive Mix - Submix 6	P304 + P340 + P312 - IF INHALED: Remove victim to fresh air and keep at rest in a position 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 - IF ON SKIN: Wash with plenty of soap and water. Call a POISON CENTER or physician if you feel unwell. 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.
Veterinary Drugs Comprehensive Mix - Submix 7	P304 + P340 + P312 - IF INHALED: Remove victim to fresh air and keep at rest in a position 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 - IF ON SKIN: Wash with plenty of soap and water. Call a POISON CENTER or physician if you feel unwell. 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.
Veterinary Drugs Comprehensive Mix - Submix 8	P304 + P340 + P312 - IF INHALED: Remove victim to fresh air and keep at rest in a position 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 - IF ON SKIN: Wash with plenty of soap and water. Call a POISON CENTER or physician if you feel unwell. 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. P391 - Collect spillage.
Veterinary Drugs Comprehensive Mix - Submix 8	P304 + P340 + P312 - IF INHALED: Remove victim to fresh air and keep at rest in a position comfortable for breathing. Call a POISON CENTER or physician if you feel unwell.

## Section 2. Hazard(s) identification

Veterinary Drugs  
Comprehensive Mix -  
Submix 9

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 - IF ON SKIN: Wash with plenty of soap and water. Call a POISON CENTER or physician if you feel unwell.  
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.  
P304 + P340 + P312 - IF INHALED: Remove victim to fresh air and keep at rest in a position comfortable for breathing. Call a POISON CENTER or physician if you feel unwell.

Veterinary Drugs  
Comprehensive Mix -  
Submix 11

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 - IF ON SKIN: Wash with plenty of soap and water. Call a POISON CENTER or physician if you feel unwell.  
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.  
P304 + P340 + P312 - IF INHALED: Remove victim to fresh air and keep at rest in a position comfortable for breathing. Call a POISON CENTER or physician if you feel unwell.

### Storage

: Veterinary Drugs  
Comprehensive Mix -  
Submix 4

P403 - Store in a well-ventilated place.

Veterinary Drugs  
Comprehensive Mix -  
Submix 6

P235 - Keep cool.  
P403 - Store in a well-ventilated place.

Veterinary Drugs  
Comprehensive Mix -  
Submix 7

P235 - Keep cool.  
P403 - Store in a well-ventilated place.

P235 - Keep cool.

## Section 2. Hazard(s) identification

	Veterinary Drugs Comprehensive Mix - Submix 8	P403 - Store in a well-ventilated place.  P235 - Keep cool.
	Veterinary Drugs Comprehensive Mix - Submix 9	P403 - Store in a well-ventilated place.  P235 - Keep cool.
	Veterinary Drugs Comprehensive Mix - Submix 11	P403 - Store in a well-ventilated place.  P235 - Keep cool.
<b>Disposal</b>	: <input checked="" type="checkbox"/> Veterinary Drugs Comprehensive Mix - Submix 4	P501 - Dispose of contents and container in accordance with all local, regional, national and international regulations.
	Veterinary Drugs Comprehensive Mix - Submix 6	P501 - Dispose of contents and container in accordance with all local, regional, national and international regulations.
	Veterinary Drugs Comprehensive Mix - Submix 7	P501 - Dispose of contents and container in accordance with all local, regional, national and international regulations.
	Veterinary Drugs Comprehensive Mix - Submix 8	P501 - Dispose of contents and container in accordance with all local, regional, national and international regulations.
	Veterinary Drugs Comprehensive Mix - Submix 9	P501 - Dispose of contents and container in accordance with all local, regional, national and international regulations.
	Veterinary Drugs Comprehensive Mix - Submix 11	P501 - Dispose of contents and container in accordance with all local, regional, national and international regulations.
<b>Supplemental label elements</b>		
<b>Additional warning phrases</b>	: <input checked="" type="checkbox"/> Veterinary Drugs Comprehensive Mix - Submix 4	Not applicable.
	Veterinary Drugs Comprehensive Mix - Submix 6	Not applicable.
	Veterinary Drugs Comprehensive Mix - Submix 7	Not applicable.
	Veterinary Drugs Comprehensive Mix - Submix 8	Not applicable.
	Veterinary Drugs Comprehensive Mix - Submix 9	Not applicable.
	Veterinary Drugs Comprehensive Mix - Submix 11	Not applicable.
<b>Other hazards which do not result in classification</b>	: Veterinary Drugs Comprehensive Mix - Submix 4	None known.
	Veterinary Drugs Comprehensive Mix - Submix 6	None known.
	Veterinary Drugs Comprehensive Mix - Submix 7	None known.

## Section 2. Hazard(s) identification

Veterinary Drugs Comprehensive Mix - Submix 8	None known.
Veterinary Drugs Comprehensive Mix - Submix 9	None known.
Veterinary Drugs Comprehensive Mix - Submix 11	None known.

## Section 3. Composition and ingredient information

<b>Substance/mixture</b>	:	Veterinary Drugs Comprehensive Mix - Submix 4	Mixture
		Veterinary Drugs Comprehensive Mix - Submix 6	Mixture
		Veterinary Drugs Comprehensive Mix - Submix 7	Mixture
		Veterinary Drugs Comprehensive Mix - Submix 8	Mixture
		Veterinary Drugs Comprehensive Mix - Submix 9	Mixture
		Veterinary Drugs Comprehensive Mix - Submix 11	Mixture

### CAS number/other identifiers

Ingredient name	% (w/w)	CAS number
<b>Veterinary Drugs Comprehensive Mix - Submix 4</b> Acetonitrile	≥90	75-05-8
<b>Veterinary Drugs Comprehensive Mix - Submix 6</b> Acetonitrile	≥90	75-05-8
Estra-4,9,11-trien-3-one, 17-hydroxy-, (17β)- ethinylestradiol	≤0.1	10161-33-8
Estradiol	<0.1 ≤0.1	57-63-6 50-28-2
<b>Veterinary Drugs Comprehensive Mix - Submix 7</b> Acetonitrile	≥90	75-05-8
<b>Veterinary Drugs Comprehensive Mix - Submix 8</b> Acetonitrile	≥90	75-05-8
ibuprofen	<0.025	15687-27-1
<b>Veterinary Drugs Comprehensive Mix - Submix 9</b> Acetonitrile	≥90	75-05-8
<b>Veterinary Drugs Comprehensive Mix - Submix 11</b> Acetonitrile	≥90	75-05-8

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

### Description of necessary first aid measures

<b>Eye contact</b>	: Veterinary Drugs Comprehensive Mix - Submix 4	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 6	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 7	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 8	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 9	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 11	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.
<b>Inhalation</b>	: Veterinary Drugs Comprehensive Mix - Submix 4	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 if adverse health effects persist or are severe. 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 6	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 if adverse health effects persist or are severe. 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	Remove victim to fresh air and keep at rest in a

## Section 4. First aid measures

Comprehensive Mix -  
Submix 7

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 if adverse health effects persist or are severe. 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 8

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 if adverse health effects persist or are severe. 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 9

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 if adverse health effects persist or are severe. 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 11

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 if adverse health effects persist or are severe. If

## Section 4. First aid measures

### Skin contact

: Veterinary Drugs  
Comprehensive Mix -  
Submix 4

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.

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 if adverse health effects persist or are severe. If necessary, call a poison center or physician. Wash clothing before reuse. Clean shoes thoroughly before reuse.

Veterinary Drugs  
Comprehensive Mix -  
Submix 6

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 if adverse health effects persist or are severe. If necessary, call a poison center or physician. Wash clothing before reuse. Clean shoes thoroughly before reuse.

Veterinary Drugs  
Comprehensive Mix -  
Submix 7

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 if adverse health effects persist or are severe. If necessary, call a poison center or physician. Wash clothing before reuse. Clean shoes thoroughly before reuse.

Veterinary Drugs  
Comprehensive Mix -  
Submix 8

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 if adverse health effects persist or are severe. If necessary, call a poison center or physician. Wash clothing before reuse. Clean shoes thoroughly before reuse.

Veterinary Drugs  
Comprehensive Mix -  
Submix 9

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 if adverse health effects persist or are severe. If necessary, call a poison center or physician. Wash clothing before reuse. Clean shoes thoroughly before reuse.

Veterinary Drugs  
Comprehensive Mix -  
Submix 11

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 if adverse health effects persist or are severe. If necessary, call a poison center or physician. Wash clothing before reuse. Clean shoes thoroughly before reuse.

## Section 4. First aid measures

### Ingestion

: Veterinary Drugs  
Comprehensive Mix -  
Submix 4

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 6

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 7

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 8

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,

## Section 4. First aid measures

Veterinary Drugs  
Comprehensive Mix -  
Submix 9

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 11

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.

### Most important symptoms/effects, acute and delayed

#### Potential acute health effects

##### **Eye contact**

- : Veterinary Drugs  
Comprehensive Mix -  
Submix 4 Causes serious eye irritation.
- Veterinary Drugs  
Comprehensive Mix -  
Submix 6 Causes serious eye irritation.
- Veterinary Drugs  
Comprehensive Mix -  
Submix 7 Causes serious eye irritation.
- Veterinary Drugs  
Comprehensive Mix -  
Submix 8 Causes serious eye irritation.
- Veterinary Drugs  
Comprehensive Mix -  
Submix 9 Causes serious eye irritation.
- Veterinary Drugs  
Comprehensive Mix -  
Submix 11 Causes serious eye irritation.

##### **Inhalation**

- : Veterinary Drugs  
Comprehensive Mix -  
Submix 4 Harmful if inhaled.
- Veterinary Drugs  
Comprehensive Mix -  
Submix 6 Harmful if inhaled.
- Veterinary Drugs Harmful if inhaled.

## Section 4. First aid measures

	Comprehensive Mix - Submix 7	
	Veterinary Drugs Comprehensive Mix - Submix 8	Harmful if inhaled.
	Veterinary Drugs Comprehensive Mix - Submix 9	Harmful if inhaled.
	Veterinary Drugs Comprehensive Mix - Submix 11	Harmful if inhaled.
<b>Skin contact</b>	: Veterinary Drugs Comprehensive Mix - Submix 4	Harmful in contact with skin.
	Veterinary Drugs Comprehensive Mix - Submix 6	Harmful in contact with skin.
	Veterinary Drugs Comprehensive Mix - Submix 7	Harmful in contact with skin.
	Veterinary Drugs Comprehensive Mix - Submix 8	Harmful in contact with skin.
	Veterinary Drugs Comprehensive Mix - Submix 9	Harmful in contact with skin.
	Veterinary Drugs Comprehensive Mix - Submix 11	Harmful in contact with skin.
<b>Ingestion</b>	: Veterinary Drugs Comprehensive Mix - Submix 4	Harmful if swallowed.
	Veterinary Drugs Comprehensive Mix - Submix 6	Harmful if swallowed.
	Veterinary Drugs Comprehensive Mix - Submix 7	Harmful if swallowed.
	Veterinary Drugs Comprehensive Mix - Submix 8	Harmful if swallowed.
	Veterinary Drugs Comprehensive Mix - Submix 9	Harmful if swallowed.
	Veterinary Drugs Comprehensive Mix - Submix 11	Harmful if swallowed.
<b><u>Over-exposure signs/symptoms</u></b>		
<b>Eye contact</b>	: Veterinary Drugs Comprehensive Mix - Submix 4	Adverse symptoms may include the following:  pain or irritation watering redness
	Veterinary Drugs Comprehensive Mix - Submix 6	Adverse symptoms may include the following:  pain or irritation watering redness

## Section 4. First aid measures

Veterinary Drugs  
Comprehensive Mix -  
Submix 7

Adverse symptoms may include the following:

pain or irritation  
watering  
redness

Veterinary Drugs  
Comprehensive Mix -  
Submix 8

Adverse symptoms may include the following:

pain or irritation  
watering  
redness

Veterinary Drugs  
Comprehensive Mix -  
Submix 9

Adverse symptoms may include the following:

pain or irritation  
watering  
redness

Veterinary Drugs  
Comprehensive Mix -  
Submix 11

Adverse symptoms may include the following:

pain or irritation  
watering  
redness

### Inhalation

: Veterinary Drugs  
Comprehensive Mix -  
Submix 4

No specific data.

Veterinary Drugs  
Comprehensive Mix -  
Submix 6

No specific data.

Veterinary Drugs  
Comprehensive Mix -  
Submix 7

No specific data.

Veterinary Drugs  
Comprehensive Mix -  
Submix 8

No specific data.

Veterinary Drugs  
Comprehensive Mix -  
Submix 9

No specific data.

Veterinary Drugs  
Comprehensive Mix -  
Submix 11

No specific data.

### Skin contact

: Veterinary Drugs  
Comprehensive Mix -  
Submix 4

No specific data.

Veterinary Drugs  
Comprehensive Mix -  
Submix 6

No specific data.

Veterinary Drugs  
Comprehensive Mix -  
Submix 7

No specific data.

Veterinary Drugs  
Comprehensive Mix -  
Submix 8

No specific data.

Veterinary Drugs  
Comprehensive Mix -  
Submix 9

No specific data.

Veterinary Drugs  
Comprehensive Mix -  
Submix 11

No specific data.

## Section 4. First aid measures

<b>Ingestion</b>	: Veterinary Drugs Comprehensive Mix - Submix 4	No specific data.
	Veterinary Drugs Comprehensive Mix - Submix 6	No specific data.
	Veterinary Drugs Comprehensive Mix - Submix 7	No specific data.
	Veterinary Drugs Comprehensive Mix - Submix 8	No specific data.
	Veterinary Drugs Comprehensive Mix - Submix 9	No specific data.
	Veterinary Drugs Comprehensive Mix - Submix 11	No specific data.

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

<b>Notes to physician</b>	: Veterinary Drugs Comprehensive Mix - Submix 4	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 6	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 7	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 8	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 9	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 11	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>Specific treatments</b>	: Veterinary Drugs Comprehensive Mix - Submix 4	No specific treatment.
	Veterinary Drugs Comprehensive Mix - Submix 6	No specific treatment.
	Veterinary Drugs Comprehensive Mix - Submix 7	No specific treatment.
	Veterinary Drugs Comprehensive Mix - Submix 8	No specific treatment.
	Veterinary Drugs Comprehensive Mix - Submix 9	No specific treatment.
	Veterinary Drugs Comprehensive Mix -	No specific treatment.

## Section 4. First aid measures

<p><b>Protection of first-aiders</b></p>	<p>Submix 11</p> <p>: Veterinary Drugs Comprehensive Mix - Submix 4</p> <p>Veterinary Drugs Comprehensive Mix - Submix 6</p> <p>Veterinary Drugs Comprehensive Mix - Submix 7</p> <p>Veterinary Drugs Comprehensive Mix - Submix 8</p> <p>Veterinary Drugs Comprehensive Mix - Submix 9</p> <p>Veterinary Drugs Comprehensive Mix - Submix 11</p>	<p>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.</p> <p>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.</p> <p>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.</p> <p>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.</p> <p>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.</p> <p>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.</p>
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See toxicological information (Section 11)

## Section 5. Firefighting measures

### Extinguishing media

<p><b>Suitable extinguishing media</b></p>	<p>: Veterinary Drugs Comprehensive Mix - Submix 4</p> <p>Veterinary Drugs Comprehensive Mix - Submix 6</p> <p>Veterinary Drugs</p>	<p>Use dry chemical, CO<sub>2</sub>, water spray (fog) or foam.</p> <p>Use dry chemical, CO<sub>2</sub>, water spray (fog) or foam.</p> <p>Use dry chemical, CO<sub>2</sub>, water spray (fog) or foam.</p>
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## Section 5. Firefighting measures

	Comprehensive Mix - Submix 7		Use dry chemical, CO <sub>2</sub> , water spray (fog) or foam.	
	Veterinary Drugs Comprehensive Mix - Submix 8		Use dry chemical, CO <sub>2</sub> , water spray (fog) or foam.	
	Veterinary Drugs Comprehensive Mix - Submix 9		Use dry chemical, CO <sub>2</sub> , water spray (fog) or foam.	
	Veterinary Drugs Comprehensive Mix - Submix 11		Use dry chemical, CO <sub>2</sub> , water spray (fog) or foam.	
<b>Unsuitable extinguishing media</b>	: Veterinary Drugs Comprehensive Mix - Submix 4		Do not use water jet.	
	Veterinary Drugs Comprehensive Mix - Submix 6		Do not use water jet.	
	Veterinary Drugs Comprehensive Mix - Submix 7		Do not use water jet.	
	Veterinary Drugs Comprehensive Mix - Submix 8		Do not use water jet.	
	Veterinary Drugs Comprehensive Mix - Submix 9		Do not use water jet.	
	Veterinary Drugs Comprehensive Mix - Submix 11		Do not use water jet.	
<b>Specific hazards arising from the chemical</b>	:  Veterinary Drugs Comprehensive Mix - Submix 4		Highly flammable liquid and vapour. 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 vapour/gas is heavier than air and will spread along the ground. Vapours 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 6		Highly flammable liquid and vapour. 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 vapour/gas is heavier than air and will spread along the ground. Vapours may accumulate in low or confined areas or travel a considerable distance to a source of ignition and flash back. This material is very toxic to aquatic life with long lasting effects. Fire water contaminated with this material must be contained and prevented from being discharged to any waterway, sewer or drain.	
	Veterinary Drugs Comprehensive Mix - Submix 7		Highly flammable liquid and vapour. 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 vapour/gas is heavier than air and will spread along the ground. Vapours 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 8		Highly flammable liquid and vapour. 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	

## Section 5. Firefighting measures

**Hazardous thermal decomposition products**

<p>Veterinary Drugs Comprehensive Mix - Submix 9</p>	<p>explosion. The vapour/gas is heavier than air and will spread along the ground. Vapours may accumulate in low or confined areas or travel a considerable distance to a source of ignition and flash back. This material is toxic to aquatic life with long lasting effects. Fire water contaminated with this material must be contained and prevented from being discharged to any waterway, sewer or drain.</p>
<p>Veterinary Drugs Comprehensive Mix - Submix 11</p>	<p>Highly flammable liquid and vapour. 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 vapour/gas is heavier than air and will spread along the ground. Vapours may accumulate in low or confined areas or travel a considerable distance to a source of ignition and flash back. Highly flammable liquid and vapour. 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 vapour/gas is heavier than air and will spread along the ground. Vapours may accumulate in low or confined areas or travel a considerable distance to a source of ignition and flash back.</p>
<p>: Veterinary Drugs Comprehensive Mix - Submix 4</p>	<p>Decomposition products may include the following materials:  carbon dioxide carbon monoxide nitrogen oxides cyanides</p>
<p>Veterinary Drugs Comprehensive Mix - Submix 6</p>	<p>Decomposition products may include the following materials:  carbon dioxide carbon monoxide nitrogen oxides cyanides</p>
<p>Veterinary Drugs Comprehensive Mix - Submix 7</p>	<p>Decomposition products may include the following materials:  carbon dioxide carbon monoxide nitrogen oxides cyanides</p>
<p>Veterinary Drugs Comprehensive Mix - Submix 8</p>	<p>Decomposition products may include the following materials:  carbon dioxide carbon monoxide nitrogen oxides cyanides</p>
<p>Veterinary Drugs Comprehensive Mix - Submix 9</p>	<p>Decomposition products may include the following materials:  carbon dioxide carbon monoxide nitrogen oxides cyanides</p>
<p>Veterinary Drugs Comprehensive Mix - Submix 11</p>	<p>Decomposition products may include the following materials:  carbon dioxide</p>

## Section 5. Firefighting measures

carbon monoxide  
nitrogen oxides  
cyanides

### Special protective actions for fire-fighters

: Veterinary Drugs  
Comprehensive Mix -  
Submix 4

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 6

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 7

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 8

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 9

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 11

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 4

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 6

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 7

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 8

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 9

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 11

Fire-fighters should wear appropriate protective equipment and self-contained breathing apparatus (SCBA) with a full face-piece operated in positive

## Section 5. Firefighting measures

<b>Hazchem code</b>	: Veterinary Drugs Comprehensive Mix - Submix 4	pressure mode. •2YE
	Veterinary Drugs Comprehensive Mix - Submix 6	•2YE
	Veterinary Drugs Comprehensive Mix - Submix 7	•2YE
	Veterinary Drugs Comprehensive Mix - Submix 8	•2YE
	Veterinary Drugs Comprehensive Mix - Submix 9	•2YE
	Veterinary Drugs Comprehensive Mix - Submix 11	•2YE

## Section 6. Accidental release measures

### Personal precautions, protective equipment and emergency procedures

<b>For non-emergency personnel</b>	: Veterinary Drugs Comprehensive Mix - Submix 4	No action shall be taken involving any personal risk or without suitable training. Evacuate surrounding areas. Keep unnecessary and unprotected personnel from entering. Do not touch or walk through spilt material. Shut off all ignition sources. No flares, smoking or flames in hazard area. Avoid breathing vapour or mist. Provide adequate ventilation. Wear appropriate respirator when ventilation is inadequate. Put on appropriate personal protective equipment.
	Veterinary Drugs Comprehensive Mix - Submix 6	No action shall be taken involving any personal risk or without suitable training. Evacuate surrounding areas. Keep unnecessary and unprotected personnel from entering. Do not touch or walk through spilt material. Shut off all ignition sources. No flares, smoking or flames in hazard area. Avoid breathing vapour or mist. Provide adequate ventilation. Wear appropriate respirator when ventilation is inadequate. Put on appropriate personal protective equipment.
	Veterinary Drugs Comprehensive Mix - Submix 7	No action shall be taken involving any personal risk or without suitable training. Evacuate surrounding areas. Keep unnecessary and unprotected personnel from entering. Do not touch or walk through spilt material. Shut off all ignition sources. No flares, smoking or flames in hazard area. Avoid breathing vapour or mist. Provide adequate ventilation. Wear appropriate respirator when ventilation is inadequate. Put on appropriate personal protective equipment.
	Veterinary Drugs Comprehensive Mix - Submix 8	No action shall be taken involving any personal risk or without suitable training. Evacuate surrounding areas. Keep unnecessary and unprotected personnel from entering. Do not touch or walk through spilt material. Shut off all ignition sources. No flares, smoking or flames in hazard area. Avoid breathing vapour or mist. Provide adequate ventilation. Wear appropriate respirator when ventilation is inadequate. Put on appropriate

## Section 6. Accidental release measures

Veterinary Drugs  
Comprehensive Mix -  
Submix 9

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

Veterinary Drugs  
Comprehensive Mix -  
Submix 11

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

**For emergency responders :** Veterinary Drugs  
Comprehensive Mix -  
Submix 4

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

Veterinary Drugs  
Comprehensive Mix -  
Submix 6

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

Veterinary Drugs  
Comprehensive Mix -  
Submix 7

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

Veterinary Drugs  
Comprehensive Mix -  
Submix 8

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

Veterinary Drugs  
Comprehensive Mix -  
Submix 9

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

Veterinary Drugs  
Comprehensive Mix -  
Submix 11

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

**Environmental precautions :** Veterinary Drugs  
Comprehensive Mix -  
Submix 4

Avoid dispersal of spilt material and runoff and contact with soil, waterways, drains and sewers. Inform the relevant authorities if the product has caused environmental pollution (sewers, waterways, soil or air).

Veterinary Drugs  
Comprehensive Mix -  
Submix 6

Avoid dispersal of spilt material and runoff and contact with soil, waterways, drains and sewers. Inform the relevant authorities if the product has caused environmental pollution (sewers, waterways, soil or air). Water polluting material. May be harmful to the environment if released in large quantities. Collect spillage.

Veterinary Drugs  
Comprehensive Mix -  
Submix 7

Avoid dispersal of spilt material and runoff and contact with soil, waterways, drains and sewers. Inform the relevant authorities if the product has caused environmental pollution (sewers, waterways, soil or air).

## Section 6. Accidental release measures

Veterinary Drugs Comprehensive Mix - Submix 8	Avoid dispersal of spilt material and runoff and contact with soil, waterways, drains and sewers. Inform the relevant authorities if the product has caused environmental pollution (sewers, waterways, soil or air). Water polluting material. May be harmful to the environment if released in large quantities. Collect spillage.
Veterinary Drugs Comprehensive Mix - Submix 9	Avoid dispersal of spilt material and runoff and contact with soil, waterways, drains and sewers. Inform the relevant authorities if the product has caused environmental pollution (sewers, waterways, soil or air).
Veterinary Drugs Comprehensive Mix - Submix 11	Avoid dispersal of spilt material and runoff and contact with soil, waterways, drains and sewers. Inform the relevant authorities if the product has caused environmental pollution (sewers, waterways, soil or air).

### Methods and material for containment and cleaning up

<b>Methods for cleaning up</b>	: Veterinary Drugs Comprehensive Mix - Submix 4	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 6	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 7	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 8	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 9	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 11	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

### Precautions for safe handling

#### Protective measures

: Veterinary Drugs  
Comprehensive Mix -  
Submix 4

Put on appropriate personal protective equipment (see Section 8). Do not ingest. Avoid contact with eyes, skin and clothing. Avoid breathing vapour or mist. 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 6

Put on appropriate personal protective equipment (see Section 8). Do not ingest. Avoid contact with eyes, skin and clothing. Avoid breathing vapour or mist. Avoid release to the environment. 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 7

Put on appropriate personal protective equipment (see Section 8). Do not ingest. Avoid contact with eyes, skin and clothing. Avoid breathing vapour or mist. 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 8

Put on appropriate personal protective equipment (see Section 8). Do not ingest. Avoid contact with eyes, skin and clothing. Avoid breathing vapour or mist. Avoid release to the environment. 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.

## Section 7. Handling and storage

Veterinary Drugs  
Comprehensive Mix -  
Submix 9

Use only non-sparking tools. Take precautionary measures against electrostatic discharges. Empty containers retain product residue and can be hazardous. Do not reuse container. Put on appropriate personal protective equipment (see Section 8). Do not ingest. Avoid contact with eyes, skin and clothing. Avoid breathing vapour or mist. 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 11

Put on appropriate personal protective equipment (see Section 8). Do not ingest. Avoid contact with eyes, skin and clothing. Avoid breathing vapour or mist. 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.

### Advice on general occupational hygiene

: Veterinary Drugs  
Comprehensive Mix -  
Submix 4

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.

Veterinary Drugs  
Comprehensive Mix -  
Submix 6

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.

Veterinary Drugs  
Comprehensive Mix -  
Submix 7

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.

Veterinary Drugs  
Comprehensive Mix -  
Submix 8

Eating, drinking and smoking should be prohibited in areas where this material is handled, stored and processed. Workers should wash hands and face before eating, drinking and smoking. Remove contaminated clothing and protective equipment before entering eating areas. See also Section 8 for

## Section 7. Handling and storage

Veterinary Drugs  
Comprehensive Mix -  
Submix 9

additional information on hygiene measures. 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.

Veterinary Drugs  
Comprehensive Mix -  
Submix 11

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.

**Conditions for safe storage, including any incompatibilities**

Veterinary Drugs  
Comprehensive Mix -  
Submix 4

Store between the following temperatures: 0 to 4°C (32 to 39.2°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 unlabelled containers. Use appropriate containment to avoid environmental contamination. See Section 10 for incompatible materials before handling or use.

Veterinary Drugs  
Comprehensive Mix -  
Submix 6

Store between the following temperatures: 0 to 4°C (32 to 39.2°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 unlabelled containers. Use appropriate containment to avoid environmental contamination. See Section 10 for incompatible materials before handling or use.

Veterinary Drugs  
Comprehensive Mix -  
Submix 7

Store between the following temperatures: 0 to 4°C (32 to 39.2°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 unlabelled containers. Use appropriate containment to avoid environmental contamination. See Section 10 for incompatible materials before handling or use.

Veterinary Drugs  
Comprehensive Mix -

Store between the following temperatures: 0 to 4°C (32 to 39.2°F). Store in accordance with local

## Section 7. Handling and storage

Submix 8

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

Veterinary Drugs  
Comprehensive Mix -  
Submix 9

Store between the following temperatures: 0 to 4°C (32 to 39.2°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 unlabelled containers. Use appropriate containment to avoid environmental contamination. See Section 10 for incompatible materials before handling or use.

Veterinary Drugs  
Comprehensive Mix -  
Submix 11

Store between the following temperatures: 0 to 4°C (32 to 39.2°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 unlabelled containers. Use appropriate containment to avoid environmental contamination. See Section 10 for incompatible materials before handling or use.

## Section 8. Exposure controls and personal protection

[Control parameters](#)

[Occupational exposure limits](#)

Ingredient name	Exposure limits
<b>Veterinary Drugs Comprehensive Mix - Submix 4</b> Acetonitrile	<b>Safe Work Australia (Australia, 1/2014).                      Absorbed through skin.</b> STEL: 101 mg/m <sup>3</sup> 15 minutes. STEL: 60 ppm 15 minutes. TWA: 67 mg/m <sup>3</sup> 8 hours. TWA: 40 ppm 8 hours.
<b>Veterinary Drugs Comprehensive Mix - Submix 6</b> Acetonitrile	<b>Safe Work Australia (Australia, 1/2014).                      Absorbed through skin.</b> STEL: 101 mg/m <sup>3</sup> 15 minutes. STEL: 60 ppm 15 minutes.

## Section 8. Exposure controls and personal protection

<p><b>Veterinary Drugs Comprehensive Mix - Submix 7</b> Acetonitrile</p>	<p>TWA: 67 mg/m<sup>3</sup> 8 hours. TWA: 40 ppm 8 hours.</p> <p><b>Safe Work Australia (Australia, 1/2014).</b> <b>Absorbed through skin.</b> STEL: 101 mg/m<sup>3</sup> 15 minutes. STEL: 60 ppm 15 minutes. TWA: 67 mg/m<sup>3</sup> 8 hours. TWA: 40 ppm 8 hours.</p>
<p><b>Veterinary Drugs Comprehensive Mix - Submix 8</b> Acetonitrile</p>	<p><b>Safe Work Australia (Australia, 1/2014).</b> <b>Absorbed through skin.</b> STEL: 101 mg/m<sup>3</sup> 15 minutes. STEL: 60 ppm 15 minutes. TWA: 67 mg/m<sup>3</sup> 8 hours. TWA: 40 ppm 8 hours.</p>
<p><b>Veterinary Drugs Comprehensive Mix - Submix 9</b> Acetonitrile</p>	<p><b>Safe Work Australia (Australia, 1/2014).</b> <b>Absorbed through skin.</b> STEL: 101 mg/m<sup>3</sup> 15 minutes. STEL: 60 ppm 15 minutes. TWA: 67 mg/m<sup>3</sup> 8 hours. TWA: 40 ppm 8 hours.</p>
<p><b>Veterinary Drugs Comprehensive Mix - Submix 11</b> Acetonitrile</p>	<p><b>Safe Work Australia (Australia, 1/2014).</b> <b>Absorbed through skin.</b> STEL: 101 mg/m<sup>3</sup> 15 minutes. STEL: 60 ppm 15 minutes. TWA: 67 mg/m<sup>3</sup> 8 hours. TWA: 40 ppm 8 hours.</p>

**Appropriate engineering controls**

: Use only with adequate ventilation. 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.

**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**

## Section 8. Exposure controls and personal 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:  $\geq 0.5$  mm  
 Breakthrough time: >30 minutes
- Submix 2, 3B, 4, 6-11:**  
 Glove material: Butyl rubber  
 Glove thickness:  $\geq 0.2$  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

### Appearance

- Physical state**
- |  |         |
|--|---------|
| Veterinary Drugs Comprehensive Mix - Submix 4  | Liquid. |
| Veterinary Drugs Comprehensive Mix - Submix 6  | Liquid. |
| Veterinary Drugs Comprehensive Mix - Submix 7  | Liquid. |
| Veterinary Drugs Comprehensive Mix - Submix 8  | Liquid. |
| Veterinary Drugs Comprehensive Mix - Submix 9  | Liquid. |
| Veterinary Drugs Comprehensive Mix - Submix 11 | Liquid. |
- Colour**
- |   |                |
|---|----------------|
| Veterinary Drugs Comprehensive Mix - Submix 4 | Not available. |
| Veterinary Drugs Comprehensive Mix - Submix 6 | Not available. |
| Veterinary Drugs Comprehensive Mix - Submix 7 | Not available. |

## Section 9. Physical and chemical properties

	Veterinary Drugs Comprehensive Mix - Submix 8	Not available.
	Veterinary Drugs Comprehensive Mix - Submix 9	Not available.
	Veterinary Drugs Comprehensive Mix - Submix 11	Not available.
<b>Odour</b>	: Veterinary Drugs Comprehensive Mix - Submix 4	Not available.
	Veterinary Drugs Comprehensive Mix - Submix 6	Not available.
	Veterinary Drugs Comprehensive Mix - Submix 7	Not available.
	Veterinary Drugs Comprehensive Mix - Submix 8	Not available.
	Veterinary Drugs Comprehensive Mix - Submix 9	Not available.
	Veterinary Drugs Comprehensive Mix - Submix 11	Not available.
<b>Odour threshold</b>	: Veterinary Drugs Comprehensive Mix - Submix 4	Not available.
	Veterinary Drugs Comprehensive Mix - Submix 6	Not available.
	Veterinary Drugs Comprehensive Mix - Submix 7	Not available.
	Veterinary Drugs Comprehensive Mix - Submix 8	Not available.
	Veterinary Drugs Comprehensive Mix - Submix 9	Not available.
	Veterinary Drugs Comprehensive Mix - Submix 11	Not available.
<b>pH</b>	: Veterinary Drugs Comprehensive Mix - Submix 4	Not available.
	Veterinary Drugs Comprehensive Mix - Submix 6	Not available.
	Veterinary Drugs Comprehensive Mix - Submix 7	Not available.
	Veterinary Drugs Comprehensive Mix - Submix 8	Not available.
	Veterinary Drugs Comprehensive Mix - Submix 9	Not available.

## Section 9. Physical and chemical properties

	Veterinary Drugs Comprehensive Mix - Submix 11	Not available.
<b>Melting point</b>	: Veterinary Drugs Comprehensive Mix - Submix 4	-46°C (-50.8°F)
	Veterinary Drugs Comprehensive Mix - Submix 6	-46°C (-50.8°F)
	Veterinary Drugs Comprehensive Mix - Submix 7	-46°C (-50.8°F)
	Veterinary Drugs Comprehensive Mix - Submix 8	-46°C (-50.8°F)
	Veterinary Drugs Comprehensive Mix - Submix 9	-46°C (-50.8°F)
	Veterinary Drugs Comprehensive Mix - Submix 11	-46°C (-50.8°F)
<b>Boiling point</b>	: Veterinary Drugs Comprehensive Mix - Submix 4	82°C (179.6°F)
	Veterinary Drugs Comprehensive Mix - Submix 6	82°C (179.6°F)
	Veterinary Drugs Comprehensive Mix - Submix 7	82°C (179.6°F)
	Veterinary Drugs Comprehensive Mix - Submix 8	82°C (179.6°F)
	Veterinary Drugs Comprehensive Mix - Submix 9	82°C (179.6°F)
	Veterinary Drugs Comprehensive Mix - Submix 11	82°C (179.6°F)
<b>Flash point</b>	: Veterinary Drugs Comprehensive Mix - Submix 4	Closed cup: 12.8°C (55°F)
	Veterinary Drugs Comprehensive Mix - Submix 6	Closed cup: 12.8°C (55°F)
	Veterinary Drugs Comprehensive Mix - Submix 7	Closed cup: 12.8°C (55°F)
	Veterinary Drugs Comprehensive Mix - Submix 8	Closed cup: 12.8°C (55°F)
	Veterinary Drugs Comprehensive Mix - Submix 9	Closed cup: 12.8°C (55°F)
	Veterinary Drugs Comprehensive Mix - Submix 11	Closed cup: 12.8°C (55°F)

## Section 9. Physical and chemical properties

<b>Evaporation rate</b>	: Veterinary Drugs Comprehensive Mix - Submix 4	2.33 (butyl acetate = 1)	
	: Veterinary Drugs Comprehensive Mix - Submix 6	2.33 (butyl acetate = 1)	
	: Veterinary Drugs Comprehensive Mix - Submix 7	2.33 (butyl acetate = 1)	
	: Veterinary Drugs Comprehensive Mix - Submix 8	2.33 (butyl acetate = 1)	
	: Veterinary Drugs Comprehensive Mix - Submix 9	2.33 (butyl acetate = 1)	
	: Veterinary Drugs Comprehensive Mix - Submix 11	2.33 (butyl acetate = 1)	
	<b>Flammability (solid, gas)</b>	: Veterinary Drugs Comprehensive Mix - Submix 4	Not applicable.
		: Veterinary Drugs Comprehensive Mix - Submix 6	Not applicable.
		: Veterinary Drugs Comprehensive Mix - Submix 7	Not applicable.
		: Veterinary Drugs Comprehensive Mix - Submix 8	Not applicable.
		: Veterinary Drugs Comprehensive Mix - Submix 9	Not applicable.
: Veterinary Drugs Comprehensive Mix - Submix 11		Not applicable.	
<b>Lower and upper explosive (flammable) limits</b>		: Veterinary Drugs Comprehensive Mix - Submix 4	Lower: 3%
		: Veterinary Drugs Comprehensive Mix - Submix 6	Upper: 16% Lower: 3%
		: Veterinary Drugs Comprehensive Mix - Submix 7	Upper: 16% Lower: 3%
		: Veterinary Drugs Comprehensive Mix - Submix 8	Upper: 16% Lower: 3%
		: Veterinary Drugs Comprehensive Mix - Submix 9	Upper: 16% Lower: 3%
	: Veterinary Drugs Comprehensive Mix - Submix 11	Upper: 16% Lower: 3%	
		Upper: 16%	

## Section 9. Physical and chemical properties

<b>Vapour pressure</b>	: Veterinary Drugs Comprehensive Mix - Submix 4	9.7 kPa (72.75 mm Hg) [room temperature]	
	: Veterinary Drugs Comprehensive Mix - Submix 6	9.7 kPa (72.75 mm Hg) [room temperature]	
	: Veterinary Drugs Comprehensive Mix - Submix 7	9.7 kPa (72.75 mm Hg) [room temperature]	
	: Veterinary Drugs Comprehensive Mix - Submix 8	9.7 kPa (72.75 mm Hg) [room temperature]	
	: Veterinary Drugs Comprehensive Mix - Submix 9	9.7 kPa (72.75 mm Hg) [room temperature]	
	: Veterinary Drugs Comprehensive Mix - Submix 11	9.7 kPa (72.75 mm Hg) [room temperature]	
	<b>Vapour density</b>	: Veterinary Drugs Comprehensive Mix - Submix 4	1.4 [Air = 1]
		: Veterinary Drugs Comprehensive Mix - Submix 6	1.4 [Air = 1]
		: Veterinary Drugs Comprehensive Mix - Submix 7	1.4 [Air = 1]
		: Veterinary Drugs Comprehensive Mix - Submix 8	1.4 [Air = 1]
		: Veterinary Drugs Comprehensive Mix - Submix 9	1.4 [Air = 1]
: Veterinary Drugs Comprehensive Mix - Submix 11		1.4 [Air = 1]	
<b>Relative density</b>		: Veterinary Drugs Comprehensive Mix - Submix 4	0.8
		: Veterinary Drugs Comprehensive Mix - Submix 6	0.8
		: Veterinary Drugs Comprehensive Mix - Submix 7	0.8
		: Veterinary Drugs Comprehensive Mix - Submix 8	0.8
		: Veterinary Drugs Comprehensive Mix - Submix 9	0.8
	: Veterinary Drugs Comprehensive Mix - Submix 11	0.8	

## Section 9. Physical and chemical properties

<b>Solubility</b>	: Veterinary Drugs Comprehensive Mix - Submix 4	Soluble in the following materials: cold water and hot water.	
	: Veterinary Drugs Comprehensive Mix - Submix 6	Soluble in the following materials: cold water and hot water.	
	: Veterinary Drugs Comprehensive Mix - Submix 7	Soluble in the following materials: cold water and hot water.	
	: Veterinary Drugs Comprehensive Mix - Submix 8	Soluble in the following materials: cold water and hot water.	
	: Veterinary Drugs Comprehensive Mix - Submix 9	Soluble in the following materials: cold water and hot water.	
	: Veterinary Drugs Comprehensive Mix - Submix 11	Soluble in the following materials: cold water and hot water.	
	<b>Partition coefficient: n-octanol/water</b>	: Veterinary Drugs Comprehensive Mix - Submix 4	Not available.
		: Veterinary Drugs Comprehensive Mix - Submix 6	Not available.
		: Veterinary Drugs Comprehensive Mix - Submix 7	Not available.
		: Veterinary Drugs Comprehensive Mix - Submix 8	Not available.
		: Veterinary Drugs Comprehensive Mix - Submix 9	Not available.
: Veterinary Drugs Comprehensive Mix - Submix 11		Not available.	
<b>Auto-ignition temperature</b>		: Veterinary Drugs Comprehensive Mix - Submix 4	524°C (975.2°F)
		: Veterinary Drugs Comprehensive Mix - Submix 6	524°C (975.2°F)
		: Veterinary Drugs Comprehensive Mix - Submix 7	524°C (975.2°F)
		: Veterinary Drugs Comprehensive Mix - Submix 8	524°C (975.2°F)
		: Veterinary Drugs Comprehensive Mix - Submix 9	524°C (975.2°F)
	: Veterinary Drugs Comprehensive Mix - Submix 11	524°C (975.2°F)	

## Section 9. Physical and chemical properties

<b>Decomposition temperature</b>	Veterinary Drugs Comprehensive Mix - Submix 4	Not available.
	Veterinary Drugs Comprehensive Mix - Submix 6	Not available.
	Veterinary Drugs Comprehensive Mix - Submix 7	Not available.
	Veterinary Drugs Comprehensive Mix - Submix 8	Not available.
	Veterinary Drugs Comprehensive Mix - Submix 9	Not available.
	Veterinary Drugs Comprehensive Mix - Submix 11	Not available.

<b>Viscosity</b>	Veterinary Drugs Comprehensive Mix - Submix 4	Not available.
	Veterinary Drugs Comprehensive Mix - Submix 6	Not available.
	Veterinary Drugs Comprehensive Mix - Submix 7	Not available.
	Veterinary Drugs Comprehensive Mix - Submix 8	Not available.
	Veterinary Drugs Comprehensive Mix - Submix 9	Not available.
	Veterinary Drugs Comprehensive Mix - Submix 11	Not available.

## Section 10. Stability and reactivity

<b>Reactivity</b>	Veterinary Drugs Comprehensive Mix - Submix 4	No specific test data related to reactivity available for this product or its ingredients.
	Veterinary Drugs Comprehensive Mix - Submix 6	No specific test data related to reactivity available for this product or its ingredients.
	Veterinary Drugs Comprehensive Mix - Submix 7	No specific test data related to reactivity available for this product or its ingredients.
	Veterinary Drugs Comprehensive Mix - Submix 8	No specific test data related to reactivity available for this product or its ingredients.
	Veterinary Drugs Comprehensive Mix - Submix 9	No specific test data related to reactivity available for this product or its ingredients.
	Veterinary Drugs Comprehensive Mix - Submix 11	No specific test data related to reactivity available for this product or its ingredients.

## Section 10. Stability and reactivity

<b>Chemical stability</b>	: Veterinary Drugs Comprehensive Mix - Submix 4	The product is stable.
	: Veterinary Drugs Comprehensive Mix - Submix 6	The product is stable.
	: Veterinary Drugs Comprehensive Mix - Submix 7	The product is stable.
	: Veterinary Drugs Comprehensive Mix - Submix 8	The product is stable.
	: Veterinary Drugs Comprehensive Mix - Submix 9	The product is stable.
<b>Possibility of hazardous reactions</b>	: Veterinary Drugs Comprehensive Mix - Submix 4	Under normal conditions of storage and use, hazardous reactions will not occur.
	: Veterinary Drugs Comprehensive Mix - Submix 6	Under normal conditions of storage and use, hazardous reactions will not occur.
	: Veterinary Drugs Comprehensive Mix - Submix 7	Under normal conditions of storage and use, hazardous reactions will not occur.
	: Veterinary Drugs Comprehensive Mix - Submix 8	Under normal conditions of storage and use, hazardous reactions will not occur.
	: Veterinary Drugs Comprehensive Mix - Submix 9	Under normal conditions of storage and use, hazardous reactions will not occur.
<b>Conditions to avoid</b>	: Veterinary Drugs Comprehensive Mix - Submix 4	Avoid all possible sources of ignition (spark or flame). Do not pressurise, cut, weld, braze, solder, drill, grind or expose containers to heat or sources of ignition. Do not allow vapour to accumulate in low or confined areas.
	: Veterinary Drugs Comprehensive Mix - Submix 6	Avoid all possible sources of ignition (spark or flame). Do not pressurise, cut, weld, braze, solder, drill, grind or expose containers to heat or sources of ignition. Do not allow vapour to accumulate in low or confined areas.
	: Veterinary Drugs Comprehensive Mix - Submix 7	Avoid all possible sources of ignition (spark or flame). Do not pressurise, cut, weld, braze, solder, drill, grind or expose containers to heat or sources of ignition. Do not allow vapour to accumulate in low or confined areas.
	: Veterinary Drugs Comprehensive Mix - Submix 8	Avoid all possible sources of ignition (spark or flame). Do not pressurise, cut, weld, braze, solder, drill, grind or expose containers to heat or sources of ignition. Do not allow vapour to accumulate in low or confined areas.
	: Veterinary Drugs Comprehensive Mix - Submix 9	Avoid all possible sources of ignition (spark or flame). Do not pressurise, cut, weld, braze, solder, drill, grind or expose containers to heat or sources of ignition.

## Section 10. Stability and reactivity

		Do not allow vapour to accumulate in low or confined areas.
	Veterinary Drugs Comprehensive Mix - Submix 11	Avoid all possible sources of ignition (spark or flame). Do not pressurise, cut, weld, braze, solder, drill, grind or expose containers to heat or sources of ignition. Do not allow vapour to accumulate in low or confined areas.
<b>Incompatible materials</b>	: Veterinary Drugs Comprehensive Mix - Submix 4	Reactive or incompatible with the following materials:  oxidizing materials
	Veterinary Drugs Comprehensive Mix - Submix 6	Reactive or incompatible with the following materials:  oxidizing materials
	Veterinary Drugs Comprehensive Mix - Submix 7	Reactive or incompatible with the following materials:  oxidizing materials
	Veterinary Drugs Comprehensive Mix - Submix 8	Reactive or incompatible with the following materials:  oxidizing materials
	Veterinary Drugs Comprehensive Mix - Submix 9	Reactive or incompatible with the following materials:  oxidizing materials
	Veterinary Drugs Comprehensive Mix - Submix 11	Reactive or incompatible with the following materials:  oxidizing materials
<b>Hazardous decomposition products</b>	: Veterinary Drugs Comprehensive Mix - Submix 4	Under normal conditions of storage and use, hazardous decomposition products should not be produced.
	Veterinary Drugs Comprehensive Mix - Submix 6	Under normal conditions of storage and use, hazardous decomposition products should not be produced.
	Veterinary Drugs Comprehensive Mix - Submix 7	Under normal conditions of storage and use, hazardous decomposition products should not be produced.
	Veterinary Drugs Comprehensive Mix - Submix 8	Under normal conditions of storage and use, hazardous decomposition products should not be produced.
	Veterinary Drugs Comprehensive Mix - Submix 9	Under normal conditions of storage and use, hazardous decomposition products should not be produced.
	Veterinary Drugs Comprehensive Mix - Submix 11	Under normal conditions of storage and use, hazardous decomposition products should not be produced.

## Section 11. Toxicological information

### Information on toxicological effects

#### Acute toxicity

## Section 11. Toxicological information

Product/ingredient name	Result	Species	Dose	Exposure
<b>Veterinary Drugs Comprehensive Mix - Submix 4</b> Acetonitrile	LC50 Inhalation Vapour LD50 Oral	Rat Rat	17100 ppm 2460 mg/kg	4 hours -
<b>Veterinary Drugs Comprehensive Mix - Submix 6</b> Acetonitrile	LC50 Inhalation Vapour LD50 Oral	Rat Rat	17100 ppm 2460 mg/kg	4 hours -
ethinylestradiol	LD50 Oral	Rat	960 mg/kg	-
Estradiol	LD50 Oral	Rat	>5000 mg/kg	-
<b>Veterinary Drugs Comprehensive Mix - Submix 7</b> Acetonitrile	LC50 Inhalation Vapour LD50 Oral	Rat Rat	17100 ppm 2460 mg/kg	4 hours -
<b>Veterinary Drugs Comprehensive Mix - Submix 8</b> Acetonitrile	LC50 Inhalation Vapour LD50 Oral	Rat Rat	17100 ppm 2460 mg/kg	4 hours -
ibuprofen	LD50 Oral	Rat	636 mg/kg	-
<b>Veterinary Drugs Comprehensive Mix - Submix 9</b> Acetonitrile	LC50 Inhalation Vapour LD50 Oral	Rat Rat	17100 ppm 2460 mg/kg	4 hours -
<b>Veterinary Drugs Comprehensive Mix - Submix 11</b> Acetonitrile	LC50 Inhalation Vapour 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 4</b> Acetonitrile	Eyes - Moderate irritant	Rabbit	-	24 hours 100 microliters	-
	Skin - Mild irritant	Rabbit	-	500 milligrams	-
<b>Veterinary Drugs Comprehensive Mix - Submix 6</b> Acetonitrile	Eyes - Moderate irritant	Rabbit	-	24 hours 100 microliters	-
	Skin - Mild irritant	Rabbit	-	500 milligrams	-
<b>Veterinary Drugs Comprehensive Mix - Submix 7</b>					

## Section 11. Toxicological information

Acetonitrile	Eyes - Moderate irritant	Rabbit	-	24 hours 100 microliters	-
	Skin - Mild irritant	Rabbit	-	500 milligrams	-
<b>Veterinary Drugs Comprehensive Mix - Submix 8</b>					
Acetonitrile	Eyes - Moderate irritant	Rabbit	-	24 hours 100 microliters	-
	Skin - Mild irritant	Rabbit	-	500 milligrams	-
<b>Veterinary Drugs Comprehensive Mix - Submix 9</b>					
Acetonitrile	Eyes - Moderate irritant	Rabbit	-	24 hours 100 microliters	-
	Skin - Mild irritant	Rabbit	-	500 milligrams	-
<b>Veterinary Drugs Comprehensive Mix - Submix 11</b>					
Acetonitrile	Eyes - Moderate irritant	Rabbit	-	24 hours 100 microliters	-
	Skin - Mild irritant	Rabbit	-	500 milligrams	-

### Sensitisation

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)

Name	Category	Route of exposure	Target organs
Veterinary Drugs Comprehensive Mix - Submix 8 ibuprofen	Category 3	Not applicable.	Respiratory tract irritation

### Specific target organ toxicity (repeated exposure)

Not available.

### Aspiration hazard

Not available.

## Section 11. Toxicological information

<b>Information on likely routes of exposure</b>	: Veterinary Drugs Comprehensive Mix - Submix 4	Routes of entry anticipated: Oral, Dermal, Inhalation.
	Veterinary Drugs Comprehensive Mix - Submix 6	Routes of entry anticipated: Oral, Dermal, Inhalation.
	Veterinary Drugs Comprehensive Mix - Submix 7	Routes of entry anticipated: Oral, Dermal, Inhalation.
	Veterinary Drugs Comprehensive Mix - Submix 8	Routes of entry anticipated: Oral, Dermal, Inhalation.
	Veterinary Drugs Comprehensive Mix - Submix 9	Routes of entry anticipated: Oral, Dermal, Inhalation.
	Veterinary Drugs Comprehensive Mix - Submix 11	Routes of entry anticipated: Oral, Dermal, Inhalation.

### Potential acute health effects

<b>Eye contact</b>	: Veterinary Drugs Comprehensive Mix - Submix 4	Causes serious eye irritation.
	Veterinary Drugs Comprehensive Mix - Submix 6	Causes serious eye irritation.
	Veterinary Drugs Comprehensive Mix - Submix 7	Causes serious eye irritation.
	Veterinary Drugs Comprehensive Mix - Submix 8	Causes serious eye irritation.
	Veterinary Drugs Comprehensive Mix - Submix 9	Causes serious eye irritation.
	Veterinary Drugs Comprehensive Mix - Submix 11	Causes serious eye irritation.

<b>Inhalation</b>	: Veterinary Drugs Comprehensive Mix - Submix 4	Harmful if inhaled.
	Veterinary Drugs Comprehensive Mix - Submix 6	Harmful if inhaled.
	Veterinary Drugs Comprehensive Mix - Submix 7	Harmful if inhaled.
	Veterinary Drugs Comprehensive Mix - Submix 8	Harmful if inhaled.
	Veterinary Drugs Comprehensive Mix - Submix 9	Harmful if inhaled.
	Veterinary Drugs Comprehensive Mix - Submix 11	Harmful if inhaled.

## Section 11. Toxicological information

<b>Skin contact</b>	: Veterinary Drugs Comprehensive Mix - Submix 4	Harmful in contact with skin.
	Veterinary Drugs Comprehensive Mix - Submix 6	Harmful in contact with skin.
	Veterinary Drugs Comprehensive Mix - Submix 7	Harmful in contact with skin.
	Veterinary Drugs Comprehensive Mix - Submix 8	Harmful in contact with skin.
	Veterinary Drugs Comprehensive Mix - Submix 9	Harmful in contact with skin.
	Veterinary Drugs Comprehensive Mix - Submix 11	Harmful in contact with skin.

<b>Ingestion</b>	: Veterinary Drugs Comprehensive Mix - Submix 4	Harmful if swallowed.
	Veterinary Drugs Comprehensive Mix - Submix 6	Harmful if swallowed.
	Veterinary Drugs Comprehensive Mix - Submix 7	Harmful if swallowed.
	Veterinary Drugs Comprehensive Mix - Submix 8	Harmful if swallowed.
	Veterinary Drugs Comprehensive Mix - Submix 9	Harmful if swallowed.
	Veterinary Drugs Comprehensive Mix - Submix 11	Harmful if swallowed.

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

<b>Eye contact</b>	: Veterinary Drugs Comprehensive Mix - Submix 4	Adverse symptoms may include the following:  pain or irritation watering redness
	Veterinary Drugs Comprehensive Mix - Submix 6	Adverse symptoms may include the following:  pain or irritation watering redness
	Veterinary Drugs Comprehensive Mix - Submix 7	Adverse symptoms may include the following:  pain or irritation watering redness
	Veterinary Drugs Comprehensive Mix - Submix 8	Adverse symptoms may include the following:  pain or irritation watering

## Section 11. Toxicological information

	Veterinary Drugs Comprehensive Mix - Submix 9	redness Adverse symptoms may include the following:
	Veterinary Drugs Comprehensive Mix - Submix 11	pain or irritation watering redness Adverse symptoms may include the following:
<b>Inhalation</b>	: Veterinary Drugs Comprehensive Mix - Submix 4	No specific data.
	Veterinary Drugs Comprehensive Mix - Submix 6	No specific data.
	Veterinary Drugs Comprehensive Mix - Submix 7	No specific data.
	Veterinary Drugs Comprehensive Mix - Submix 8	No specific data.
	Veterinary Drugs Comprehensive Mix - Submix 9	No specific data.
	Veterinary Drugs Comprehensive Mix - Submix 11	No specific data.
<b>Skin contact</b>	: Veterinary Drugs Comprehensive Mix - Submix 4	No specific data.
	Veterinary Drugs Comprehensive Mix - Submix 6	No specific data.
	Veterinary Drugs Comprehensive Mix - Submix 7	No specific data.
	Veterinary Drugs Comprehensive Mix - Submix 8	No specific data.
	Veterinary Drugs Comprehensive Mix - Submix 9	No specific data.
	Veterinary Drugs Comprehensive Mix - Submix 11	No specific data.
<b>Ingestion</b>	: Veterinary Drugs Comprehensive Mix - Submix 4	No specific data.
	Veterinary Drugs Comprehensive Mix - Submix 6	No specific data.
	Veterinary Drugs Comprehensive Mix - Submix 7	No specific data.
	Veterinary Drugs Comprehensive Mix - Submix 8	No specific data.

## Section 11. Toxicological information

Veterinary Drugs Comprehensive Mix - Submix 9	No specific data.
Veterinary Drugs Comprehensive Mix - Submix 11	No specific data.

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

#### Short term exposure

**Potential immediate effects** : Not available.

**Potential delayed effects** : Not available.

#### Long term exposure

**Potential immediate effects** : Not available.

**Potential delayed effects** : Not available.

#### Potential chronic health effects

<b>General</b>	: Veterinary Drugs Comprehensive Mix - Submix 4	No known significant effects or critical hazards.
	Veterinary Drugs Comprehensive Mix - Submix 6	No known significant effects or critical hazards.
	Veterinary Drugs Comprehensive Mix - Submix 7	No known significant effects or critical hazards.
	Veterinary Drugs Comprehensive Mix - Submix 8	No known significant effects or critical hazards.
	Veterinary Drugs Comprehensive Mix - Submix 9	No known significant effects or critical hazards.
	Veterinary Drugs Comprehensive Mix - Submix 11	No known significant effects or critical hazards.
<b>Carcinogenicity</b>	: Veterinary Drugs Comprehensive Mix - Submix 4	No known significant effects or critical hazards.
	Veterinary Drugs Comprehensive Mix - Submix 6	No known significant effects or critical hazards.
	Veterinary Drugs Comprehensive Mix - Submix 7	No known significant effects or critical hazards.
	Veterinary Drugs Comprehensive Mix - Submix 8	No known significant effects or critical hazards.
	Veterinary Drugs Comprehensive Mix - Submix 9	No known significant effects or critical hazards.
	Veterinary Drugs Comprehensive Mix - Submix 11	No known significant effects or critical hazards.

## Section 11. Toxicological information

<b>Mutagenicity</b>	: Veterinary Drugs Comprehensive Mix - Submix 4	No known significant effects or critical hazards.	
	Veterinary Drugs Comprehensive Mix - Submix 6	No known significant effects or critical hazards.	
	Veterinary Drugs Comprehensive Mix - Submix 7	No known significant effects or critical hazards.	
	Veterinary Drugs Comprehensive Mix - Submix 8	No known significant effects or critical hazards.	
	Veterinary Drugs Comprehensive Mix - Submix 9	No known significant effects or critical hazards.	
	Veterinary Drugs Comprehensive Mix - Submix 11	No known significant effects or critical hazards.	
	<b>Teratogenicity</b>	: Veterinary Drugs Comprehensive Mix - Submix 4	No known significant effects or critical hazards.
		Veterinary Drugs Comprehensive Mix - Submix 6	No known significant effects or critical hazards.
		Veterinary Drugs Comprehensive Mix - Submix 7	No known significant effects or critical hazards.
		Veterinary Drugs Comprehensive Mix - Submix 8	No known significant effects or critical hazards.
		Veterinary Drugs Comprehensive Mix - Submix 9	No known significant effects or critical hazards.
Veterinary Drugs Comprehensive Mix - Submix 11		No known significant effects or critical hazards.	
<b>Developmental effects</b>		: Veterinary Drugs Comprehensive Mix - Submix 4	No known significant effects or critical hazards.
		Veterinary Drugs Comprehensive Mix - Submix 6	No known significant effects or critical hazards.
		Veterinary Drugs Comprehensive Mix - Submix 7	No known significant effects or critical hazards.
		Veterinary Drugs Comprehensive Mix - Submix 8	No known significant effects or critical hazards.
		Veterinary Drugs Comprehensive Mix - Submix 9	No known significant effects or critical hazards.
	Veterinary Drugs Comprehensive Mix - Submix 11	No known significant effects or critical hazards.	

## Section 11. Toxicological information

<b>Fertility effects</b>	: Veterinary Drugs Comprehensive Mix - Submix 4	No known significant effects or critical hazards.
	Veterinary Drugs Comprehensive Mix - Submix 6	No known significant effects or critical hazards.
	Veterinary Drugs Comprehensive Mix - Submix 7	No known significant effects or critical hazards.
	Veterinary Drugs Comprehensive Mix - Submix 8	No known significant effects or critical hazards.
	Veterinary Drugs Comprehensive Mix - Submix 9	No known significant effects or critical hazards.
	Veterinary Drugs Comprehensive Mix - Submix 11	No known significant effects or critical hazards.

### Numerical measures of toxicity

#### Acute toxicity estimates

Route	ATE value
<b>Veterinary Drugs Comprehensive Mix - Submix 4</b> Oral Dermal Inhalation (vapours)	500.1 mg/kg 1100.3 mg/kg 11 mg/l
<b>Veterinary Drugs Comprehensive Mix - Submix 6</b> Oral Dermal Inhalation (vapours)	501.4 mg/kg 1103.1 mg/kg 11.03 mg/l
<b>Veterinary Drugs Comprehensive Mix - Submix 7</b> Oral Dermal Inhalation (vapours)	500.4 mg/kg 1101 mg/kg 11.01 mg/l
<b>Veterinary Drugs Comprehensive Mix - Submix 8</b> Oral Dermal Inhalation (vapours)	500.8 mg/kg 1101.7 mg/kg 11.02 mg/l
<b>Veterinary Drugs Comprehensive Mix - Submix 9</b> Oral Dermal Inhalation (vapours)	500.1 mg/kg 1100.3 mg/kg 11 mg/l
<b>Veterinary Drugs Comprehensive Mix - Submix 11</b> Oral Dermal Inhalation (vapours)	500.1 mg/kg 1100.1 mg/kg 11 mg/l

## Section 12. Ecological information

### Toxicity

Product/ingredient name	Result	Species	Exposure
<b>Veterinary Drugs Comprehensive Mix - Submix 4</b> Acetonitrile	Acute IC50 3685000 µg/l Fresh water Acute LC50 3600000 µg/l Fresh water Acute LC50 1000000 µg/l Fresh water Chronic NOEC 1000000 µg/l Fresh water Chronic NOEC 160000 µg/l Fresh water	Aquatic plants - Lemna minor Daphnia - Daphnia magna Fish - Pimephales promelas Aquatic plants - Lemna minor Daphnia - Daphnia magna	96 hours 48 hours 96 hours 96 hours 21 days
<b>Veterinary Drugs Comprehensive Mix - Submix 6</b> Acetonitrile	Acute IC50 3685000 µg/l Fresh water Acute LC50 3600000 µg/l Fresh water Acute LC50 1000000 µg/l Fresh water Chronic NOEC 1000000 µg/l Fresh water Chronic NOEC 160000 µg/l Fresh water	Aquatic plants - Lemna minor Daphnia - Daphnia magna Fish - Pimephales promelas Aquatic plants - Lemna minor Daphnia - Daphnia magna	96 hours 48 hours 96 hours 96 hours 21 days
Estra-4,9,11-trien-3-one, 17-hydroxy-, (17β)-ethinylestradiol	Chronic NOEC 10 ng/L Fresh water Acute EC50 0.84 mg/l Fresh water Acute LC50 1.1 mg/l Marine water	Fish - Danio rerio Algae - Scenedesmus subspicatus Crustaceans - Acartia tonsa - Adult	60 days 72 hours 48 hours
Estradiol	Acute LC50 1 µl/L Fresh water Chronic EC10 0.054 mg/l Fresh water Chronic NOEC 100 µg/l Marine water Chronic NOEC 10 µg/l Fresh water Chronic NOEC 0.04 ng/L Fresh water Acute EC50 2.04 mg/l Fresh water Acute LC50 1.69 mg/l Marine water Acute LC50 2 ng/L Fresh water Chronic NOEC 6 µg/l Fresh water Chronic NOEC 270 µg/l Fresh water Chronic NOEC 0.42 ng/L Fresh water	Fish - Oryzias latipes Algae - Scenedesmus subspicatus Crustaceans - Tisbe battagliai - Nauplii Daphnia - Daphnia magna Fish - Rutilus rutilus - Embryo Daphnia - Daphnia magna - Neonate Crustaceans - Americamysis bahia - Larvae Fish - Oryzias latipes - Sexually mature Crustaceans - Eurytemora affinis - Nauplii Daphnia - Daphnia magna - Neonate Fish - Oncorhynchus mykiss - Sexually mature	96 hours 72 hours 21 days 21 days 720 days 48 hours 48 hours 96 hours 21 days 21 days 21 days 50 days
<b>Veterinary Drugs Comprehensive Mix - Submix 7</b> Acetonitrile	Acute IC50 3685000 µg/l Fresh water Acute LC50 3600000 µg/l Fresh water Acute LC50 1000000 µg/l Fresh water Chronic NOEC 1000000 µg/l Fresh water Chronic NOEC 160000 µg/l Fresh water	Aquatic plants - Lemna minor Daphnia - Daphnia magna Fish - Pimephales promelas Aquatic plants - Lemna minor Daphnia - Daphnia magna	96 hours 48 hours 96 hours 96 hours 21 days
<b>Veterinary Drugs Comprehensive Mix - Submix 8</b> Acetonitrile	Acute IC50 3685000 µg/l Fresh water	Aquatic plants - Lemna minor	96 hours

## Section 12. Ecological information

ibuprofen	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
Veterinary Drugs Comprehensive Mix - Submix 9	Acute EC50 72.6 mg/l Fresh water	Crustaceans - Moina macrocopa	48 hours
	Acute EC50 34.1 mg/l Fresh water	Daphnia - Daphnia magna - Neonate	48 hours
	Acute LC50 >100 mg/l Fresh water	Fish - Oryzias latipes - Larvae	96 hours
	Chronic NOEC 10 µg/l Fresh water	Algae - Pseudokirchneriella subcapitata	72 hours
Veterinary Drugs Comprehensive Mix - Submix 11	Chronic NOEC 1.23 mg/l Fresh water	Daphnia - Daphnia magna - Neonate	21 days
	Chronic NOEC 0.1 µg/l Fresh water	Fish - Oryzias latipes - Embryo	132 days
	Acute IC50 3685000 µg/l Fresh water	Aquatic plants - Lemna minor	96 hours
Acetonitrile	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
	Acute IC50 3685000 µg/l Fresh water	Aquatic plants - Lemna minor	96 hours
Acetonitrile	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
	Acute IC50 3685000 µg/l Fresh water	Aquatic plants - Lemna minor	96 hours

### Persistence and degradability

Product/ingredient name	Test	Result	Dose	Inoculum
Veterinary Drugs Comprehensive Mix - Submix 6 Estradiol	OECD 301B Ready Biodegradability - CO2 Evolution Test	≥68 % - 30 days	-	-

Product/ingredient name	Aquatic half-life	Photolysis	Biodegradability
Veterinary Drugs Comprehensive Mix - Submix 4 Acetonitrile	-	-	Readily
Veterinary Drugs Comprehensive Mix - Submix 6 Acetonitrile	-	-	Readily
Veterinary Drugs Comprehensive Mix - Submix 7			

## Section 12. Ecological information

Acetonitrile	-	-	Readily
<b>Veterinary Drugs Comprehensive Mix - Submix 8</b>			
Acetonitrile	-	-	Readily
<b>Veterinary Drugs Comprehensive Mix - Submix 9</b>			
Acetonitrile	-	-	Readily
<b>Veterinary Drugs Comprehensive Mix - Submix 11</b>			
Acetonitrile	-	-	Readily

### Bioaccumulative potential

Product/ingredient name	LogP <sub>ow</sub>	BCF	Potential
<b>Veterinary Drugs Comprehensive Mix - Submix 4</b>			
Acetonitrile	-0.34	3	low
<b>Veterinary Drugs Comprehensive Mix - Submix 6</b>			
Acetonitrile	-0.34	3	low
ethinylestradiol	3.67	-	low
Estradiol	4.01	-	high
<b>Veterinary Drugs Comprehensive Mix - Submix 7</b>			
Acetonitrile	-0.34	3	low
<b>Veterinary Drugs Comprehensive Mix - Submix 8</b>			
Acetonitrile	-0.34	3	low
ibuprofen	3.87	-	low
<b>Veterinary Drugs Comprehensive Mix - Submix 9</b>			
Acetonitrile	-0.34	3	low
<b>Veterinary Drugs Comprehensive Mix - Submix 11</b>			
Acetonitrile	-0.34	3	low

### Mobility in soil

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

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

## Section 13. Disposal considerations

**Disposal methods** : The generation of waste should be avoided or minimised wherever possible. Disposal of this product, solutions and any by-products should at all times comply with the requirements of environmental protection and waste disposal legislation and any regional local authority requirements. Dispose of surplus and non-recyclable products via a licensed waste disposal contractor. Waste should not be disposed of untreated to the sewer unless fully compliant with the requirements of all authorities with jurisdiction. Waste packaging should be recycled. Incineration or landfill should only be considered when recycling is not feasible. This material and its container must be disposed of in a safe way. 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.

## Section 14. Transport information

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

### 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

### Standard Uniform Schedule of Medicine and Poisons

6, 5

### Model Work Health and Safety Regulations - Scheduled Substances

No listed substance

### International regulations

#### Chemical Weapon Convention List Schedules I, II & III Chemicals

Not listed.

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

Not listed.

#### Stockholm Convention on Persistent Organic Pollutants

Not listed.

#### Rotterdam Convention on Prior Informed Consent (PIC)

Not listed.

#### UNECE Aarhus Protocol on POPs and Heavy Metals

Not listed.

### Inventory list

**Australia** : Not determined.  
**Canada** : Not determined.  
**China** : Not determined.  
**Europe** : Not determined.  
**Japan** : **Japan inventory (ENCS):** Not determined.  
**Japan inventory (ISHL):** Not determined.  
**Malaysia** : Not determined.

## Section 15. Regulatory information

<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. Any other relevant information

### History

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

### Key to abbreviations

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

### Procedure used to derive the classification

Classification	Justification
<b>Veterinary Drugs Comprehensive Mix - Submix 4</b> Flam. Liq. 2, H225 Acute Tox. 4, H302 Acute Tox. 4, H312 Acute Tox. 4, H332 Eye Irrit. 2A, H319	On basis of test data Calculation method Calculation method Calculation method Calculation method
<b>Veterinary Drugs Comprehensive Mix - Submix 6</b> Flam. Liq. 2, H225 Acute Tox. 4, H302 Acute Tox. 4, H312 Acute Tox. 4, H332 Eye Irrit. 2A, H319 Aquatic Acute 1, H400 Aquatic Chronic 1, H410	On basis of test data Calculation method Calculation method Calculation method Calculation method Calculation method Calculation method
<b>Veterinary Drugs Comprehensive Mix - Submix 7</b> Flam. Liq. 2, H225 Acute Tox. 4, H302 Acute Tox. 4, H312 Acute Tox. 4, H332 Eye Irrit. 2A, H319	On basis of test data Calculation method Calculation method Calculation method Calculation method
<b>Veterinary Drugs Comprehensive Mix - Submix 8</b> Flam. Liq. 2, H225 Acute Tox. 4, H302 Acute Tox. 4, H312 Acute Tox. 4, H332	On basis of test data Calculation method Calculation method Calculation method

## Section 16. Any other relevant information

Eye Irrit. 2A, H319 Aquatic Chronic 2, H411  <b>Veterinary Drugs Comprehensive Mix - Submix 9</b> Flam. Liq. 2, H225 Acute Tox. 4, H302 Acute Tox. 4, H312 Acute Tox. 4, H332 Eye Irrit. 2A, H319  <b>Veterinary Drugs Comprehensive Mix - Submix 11</b> Flam. Liq. 2, H225 Acute Tox. 4, H302 Acute Tox. 4, H312 Acute Tox. 4, H332 Eye Irrit. 2A, H319	Calculation method Calculation method  On basis of test data Calculation method Calculation method Calculation method Calculation method  On basis of test data Calculation method Calculation method Calculation method Calculation method
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**References** : Not available.

 Indicates information that has changed from previously issued version.

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