

# SAFETY DATA SHEET



Forensic Toxicology Comprehensive Mix - Box 1 of 2 Part Number 5190-0555B

## Section 1. Identification

<b>Product identifier</b>	: Forensic Toxicology Comprehensive Mix - Box 1 of 2 Part Number 5190-0555B
<b>Part no. (chemical kit)</b>	: 5190-0555B
<b>Part no.</b>	: Forensic Toxicology Comprehensive Mix - 5190-0558 Submix 2 Forensic Toxicology Comprehensive Mix 5190-0562 – Submix 7 Forensic Toxicology Comprehensive Mix 5190-0564A – Submix 9A Forensic Toxicology Comprehensive Mix 5190-0564B – Submix 9B Forensic Toxicology Comprehensive Mix 5190-0564C – Submix 9C Forensic Toxicology Comprehensive Mix 5190-0564D – Submix 9D

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

<b>Material uses</b>	: Reagents and Standards for Analytical Chemistry Laboratory Use Forensic Toxicology Comprehensive Mix - 1 ml Submix 2 Forensic Toxicology Comprehensive Mix 1 ml – Submix 7 Forensic Toxicology Comprehensive Mix 1 ml – Submix 9A Forensic Toxicology Comprehensive Mix 1 ml – Submix 9B Forensic Toxicology Comprehensive Mix 1 ml – Submix 9C Forensic Toxicology Comprehensive Mix 1 ml – Submix 9D
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<b>Supplier/Manufacturer</b>	: Agilent Technologies Australia Pty Ltd 679 Springvale Road Mulgrave Victoria 3170, Australia 1800 802 402
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<b>Emergency telephone number (with hours of operation)</b>	: CHEMTREC®: +(61)-290372994
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## Section 2. Hazard(s) identification

### Classification of the substance or mixture

#### Forensic Toxicology Comprehensive Mix - Submix 2

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

#### Forensic Toxicology Comprehensive Mix – Submix 7

## Section 2. Hazard(s) identification

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  
 H412 LONG-TERM (CHRONIC) AQUATIC HAZARD - Category 3

### Forensic Toxicology Comprehensive Mix – Submix 9A

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

### Forensic Toxicology Comprehensive Mix – Submix 9B

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

### Forensic Toxicology Comprehensive Mix – Submix 9C




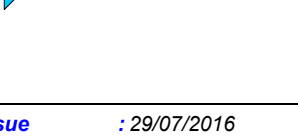
H225 FLAMMABLE LIQUIDS - Category 2  
 H302 ACUTE TOXICITY (oral) - Category 4  
 H312 ACUTE TOXICITY (dermal) - Category 4  
 H332 ACUTE TOXICITY (inhalation) - Category 4  
 H319 SERIOUS EYE DAMAGE/EYE IRRITATION - Category 2A

### Forensic Toxicology Comprehensive Mix – Submix 9D

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

#### Hazard pictograms

: Forensic Toxicology Comprehensive Mix - Submix 2	
Forensic Toxicology Comprehensive Mix – Submix 7	
Forensic Toxicology Comprehensive Mix – Submix 9A	
Forensic Toxicology Comprehensive Mix – Submix 9B	

## Section 2. Hazard(s) identification

Forensic Toxicology  
Comprehensive Mix –  
Submix 9C



Forensic Toxicology  
Comprehensive Mix –  
Submix 9D



**Signal word**

- : Forensic Toxicology Comprehensive Mix - Submix 2 DANGER
- Forensic Toxicology Comprehensive Mix – Submix 7 DANGER
- Forensic Toxicology Comprehensive Mix – Submix 9A DANGER
- Forensic Toxicology Comprehensive Mix – Submix 9B DANGER
- Forensic Toxicology Comprehensive Mix – Submix 9C DANGER
- Forensic Toxicology Comprehensive Mix – Submix 9D DANGER

**Hazard statements**

- : Forensic Toxicology Comprehensive Mix - Submix 2 H225 - Highly flammable liquid and vapour.  
  
H302 + H312 + H332 - Harmful if swallowed, in contact with skin or if inhaled.  
H319 - Causes serious eye irritation.
- Forensic Toxicology Comprehensive Mix – Submix 7 H225 - Highly flammable liquid and vapour.  
  
H302 + H312 + H332 - Harmful if swallowed, in contact with skin or if inhaled.  
H319 - Causes serious eye irritation.  
H412 - Harmful to aquatic life with long lasting effects.
- Forensic Toxicology Comprehensive Mix – Submix 9A H225 - Highly flammable liquid and vapour.  
  
H302 + H312 + H332 - Harmful if swallowed, in contact with skin or if inhaled.  
H319 - Causes serious eye irritation.
- Forensic Toxicology Comprehensive Mix – Submix 9B H225 - Highly flammable liquid and vapour.  
  
H302 + H312 + H332 - Harmful if swallowed, in contact with skin or if inhaled.  
H319 - Causes serious eye irritation.
- Forensic Toxicology Comprehensive Mix – Submix 9C H225 - Highly flammable liquid and vapour.  
  
H302 + H312 + H332 - Harmful if swallowed, in contact with skin or if inhaled.  
H319 - Causes serious eye irritation.
- Forensic Toxicology Comprehensive Mix – Submix 9D H225 - Highly flammable liquid and vapour.  
  
H302 + H312 + H332 - Harmful if swallowed, in contact with skin or if inhaled.  
H319 - Causes serious eye irritation.

## Section 2. Hazard(s) identification

H302 + H312 + H332 - Harmful if swallowed, in contact with skin or if inhaled.  
 H319 - Causes serious eye irritation.

### Precautionary statements

#### Prevention

: Forensic Toxicology  
 Comprehensive Mix -  
 Submix 2

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.

P280 - Wear protective gloves. Wear eye or face protection. Wear protective clothing.

Forensic Toxicology  
 Comprehensive Mix –  
 Submix 7

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.

Forensic Toxicology  
 Comprehensive Mix –  
 Submix 9A

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.

Forensic Toxicology  
 Comprehensive Mix –  
 Submix 9B

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.

## Section 2. Hazard(s) identification

Forensic Toxicology  
Comprehensive Mix –  
Submix 9C

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.

Forensic Toxicology  
Comprehensive Mix –  
Submix 9D

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.

**Response**

: Forensic Toxicology  
Comprehensive Mix –  
Submix 2

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.

Forensic Toxicology  
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.

## Section 2. Hazard(s) identification

Forensic Toxicology  
Comprehensive Mix –  
Submix 9A

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.

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.

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.

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.

Forensic Toxicology  
Comprehensive Mix –  
Submix 9B

Forensic Toxicology  
Comprehensive Mix –  
Submix 9C



## Section 2. Hazard(s) identification

Forensic Toxicology  
Comprehensive Mix –  
Submix 9D

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.  
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.

### Storage

: Forensic Toxicology  
Comprehensive Mix -  
Submix 2

P403 - Store in a well-ventilated place.

Forensic Toxicology  
Comprehensive Mix –  
Submix 7

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

Forensic Toxicology  
Comprehensive Mix –  
Submix 9A

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

Forensic Toxicology  
Comprehensive Mix –  
Submix 9B

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

Forensic Toxicology  
Comprehensive Mix –  
Submix 9C

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

Forensic Toxicology  
Comprehensive Mix –  
Submix 9D

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

### Disposal

: Forensic Toxicology  
Comprehensive Mix -  
Submix 2

P235 - Keep cool.  
P501 - Dispose of contents and container in accordance with all local, regional, national and international regulations.

Forensic Toxicology  
Comprehensive Mix –  
Submix 7

P501 - Dispose of contents and container in accordance with all local, regional, national and international regulations.

Forensic Toxicology  
Comprehensive Mix –  
Submix 9A

P501 - Dispose of contents and container in accordance with all local, regional, national and international regulations.

Forensic Toxicology  
Comprehensive Mix –  
Submix 9B

P501 - Dispose of contents and container in accordance with all local, regional, national and international regulations.

Forensic Toxicology  
Comprehensive Mix –  
Submix 9C

P501 - Dispose of contents and container in accordance with all local, regional, national and international regulations.

Forensic Toxicology  
Comprehensive Mix –  
Submix 9D

P501 - Dispose of contents and container in accordance with all local, regional, national and international regulations.

## Section 2. Hazard(s) identification

### Supplemental label elements

<b>Additional warning phrases</b>	: Forensic Toxicology Comprehensive Mix - Submix 2	Not applicable.
	Forensic Toxicology Comprehensive Mix – Submix 7	Not applicable.
	Forensic Toxicology Comprehensive Mix – Submix 9A	Not applicable.
	Forensic Toxicology Comprehensive Mix – Submix 9B	Not applicable.
	Forensic Toxicology Comprehensive Mix – Submix 9C	Not applicable.
	Forensic Toxicology Comprehensive Mix – Submix 9D	Not applicable.

<b>Other hazards which do not result in classification</b>	: Forensic Toxicology Comprehensive Mix - Submix 2	None known.
	Forensic Toxicology Comprehensive Mix – Submix 7	None known.
	Forensic Toxicology Comprehensive Mix – Submix 9A	None known.
	Forensic Toxicology Comprehensive Mix – Submix 9B	None known.
	Forensic Toxicology Comprehensive Mix – Submix 9C	None known.
	Forensic Toxicology Comprehensive Mix – Submix 9D	None known.

## Section 3. Composition and ingredient information

<b>Substance/mixture</b>	: Forensic Toxicology Comprehensive Mix - Submix 2	Mixture
	Forensic Toxicology Comprehensive Mix – Submix 7	Mixture
	Forensic Toxicology Comprehensive Mix – Submix 9A	Mixture
	Forensic Toxicology Comprehensive Mix – Submix 9B	Mixture
	Forensic Toxicology Comprehensive Mix – Submix 9C	Mixture
	Forensic Toxicology Comprehensive Mix – Submix 9D	Mixture

### CAS number/other identifiers



## Section 3. Composition and ingredient information

Ingredient name	% (w/w)	CAS number
<b>Forensic Toxicology Comprehensive Mix - Submix 2</b> Acetonitrile	≥75 - ≤90	75-05-8
<b>Forensic Toxicology Comprehensive Mix – Submix 7</b> Acetonitrile furosemide	≥75 - ≤90 <0.025	75-05-8 54-31-9
<b>Forensic Toxicology Comprehensive Mix – Submix 9A</b> Acetonitrile	≥75 - ≤90	75-05-8
<b>Forensic Toxicology Comprehensive Mix – Submix 9B</b> Acetonitrile	≥75 - ≤90	75-05-8
<b>Forensic Toxicology Comprehensive Mix – Submix 9C</b> Acetonitrile	≥75 - ≤90	75-05-8
<b>Forensic Toxicology Comprehensive Mix – Submix 9D</b> Acetonitrile	≥75 - ≤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

#### Eye contact

: Forensic Toxicology  
Comprehensive Mix -  
Submix 2

Forensic Toxicology  
Comprehensive Mix –  
Submix 7

Forensic Toxicology  
Comprehensive Mix –  
Submix 9A

Forensic Toxicology  
Comprehensive Mix –  
Submix 9B

Forensic Toxicology  
Comprehensive Mix –  
Submix 9C

Forensic Toxicology  
Comprehensive Mix –  
Submix 9D

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. 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. 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. 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. 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.

#### Inhalation

: Forensic Toxicology  
Comprehensive Mix -  
Submix 2

Remove victim to fresh air and keep at rest in a position comfortable for breathing. If it is suspected that fumes are still present, the rescuer should wear an appropriate mask or self-contained breathing apparatus. If not breathing, if breathing is irregular or if respiratory arrest occurs, provide artificial respiration or oxygen by trained personnel. It may be dangerous to the person providing aid to give mouth-to-mouth resuscitation. Get medical attention if adverse health effects persist or are severe. If

## Section 4. First aid measures

Forensic Toxicology  
Comprehensive Mix –  
Submix 7

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.

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.

Forensic Toxicology  
Comprehensive Mix –  
Submix 9A

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.

Forensic Toxicology  
Comprehensive Mix –  
Submix 9B

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.

Forensic Toxicology

Remove victim to fresh air and keep at rest in a

## Section 4. First aid measures

	<p>Comprehensive Mix – Submix 9C</p>	<p>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.</p>
	<p>Forensic Toxicology Comprehensive Mix – Submix 9D</p>	<p>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.</p>
<p><b>Skin contact</b></p>	<p>: Forensic Toxicology Comprehensive Mix – Submix 2</p>	<p>Wash with plenty of soap and water. Remove contaminated clothing and shoes. Wash contaminated clothing thoroughly with water before removing it, or wear gloves. Continue to rinse for at least 10 minutes. Get medical attention 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.</p>
	<p>Forensic Toxicology Comprehensive Mix – Submix 7</p>	<p>Wash with plenty of soap and water. Remove contaminated clothing and shoes. Wash contaminated clothing thoroughly with water before removing it, or wear gloves. Continue to rinse for at least 10 minutes. Get medical attention 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.</p>
	<p>Forensic Toxicology Comprehensive Mix – Submix 9A</p>	<p>Wash with plenty of soap and water. Remove contaminated clothing and shoes. Wash contaminated clothing thoroughly with water before removing it, or wear gloves. Continue to rinse for at least 10 minutes. Get medical attention 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.</p>
	<p>Forensic Toxicology Comprehensive Mix – Submix 9B</p>	<p>Wash with plenty of soap and water. Remove contaminated clothing and shoes. Wash contaminated clothing thoroughly with water before removing it, or wear gloves. Continue to rinse for at</p>

## Section 4. First aid measures

	Forensic Toxicology Comprehensive Mix – Submix 9C	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. 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.
	Forensic Toxicology Comprehensive Mix – Submix 9D	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.
<b>Ingestion</b>	: Forensic Toxicology Comprehensive Mix - Submix 2	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.
	Forensic Toxicology 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.
	Forensic Toxicology Comprehensive Mix – Submix 9A	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

## Section 4. First aid measures

Forensic Toxicology  
Comprehensive Mix –  
Submix 9B

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.

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.

Forensic Toxicology  
Comprehensive Mix –  
Submix 9C

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.

Forensic Toxicology  
Comprehensive Mix –  
Submix 9D

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](#)

## Section 4. First aid measures

<b>Eye contact</b>	: Forensic Toxicology Comprehensive Mix - Submix 2	Causes serious eye irritation.
	Forensic Toxicology Comprehensive Mix – Submix 7	Causes serious eye irritation.
	Forensic Toxicology Comprehensive Mix – Submix 9A	Causes serious eye irritation.
	Forensic Toxicology Comprehensive Mix – Submix 9B	Causes serious eye irritation.
	Forensic Toxicology Comprehensive Mix – Submix 9C	Causes serious eye irritation.
<b>Inhalation</b>	: Forensic Toxicology Comprehensive Mix - Submix 2	Harmful if inhaled.
	Forensic Toxicology Comprehensive Mix – Submix 7	Harmful if inhaled.
	Forensic Toxicology Comprehensive Mix – Submix 9A	Harmful if inhaled.
	Forensic Toxicology Comprehensive Mix – Submix 9B	Harmful if inhaled.
	Forensic Toxicology Comprehensive Mix – Submix 9C	Harmful if inhaled.
<b>Skin contact</b>	: Forensic Toxicology Comprehensive Mix - Submix 2	Harmful in contact with skin.
	Forensic Toxicology Comprehensive Mix – Submix 7	Harmful in contact with skin.
	Forensic Toxicology Comprehensive Mix – Submix 9A	Harmful in contact with skin.
	Forensic Toxicology Comprehensive Mix – Submix 9B	Harmful in contact with skin.
	Forensic Toxicology Comprehensive Mix – Submix 9C	Harmful in contact with skin.
<b>Ingestion</b>	: Forensic Toxicology Comprehensive Mix - Submix 2	Harmful if swallowed.
	Forensic Toxicology Comprehensive Mix – Submix 7	Harmful if swallowed.
	Forensic Toxicology Comprehensive Mix – Submix 9A	Harmful if swallowed.



## Section 4. First aid measures

Forensic Toxicology  
Comprehensive Mix –  
Submix 9B

Harmful if swallowed.

Forensic Toxicology  
Comprehensive Mix –  
Submix 9C

Harmful if swallowed.

Forensic Toxicology  
Comprehensive Mix –  
Submix 9D

Harmful if swallowed.

### Over-exposure signs/symptoms

#### **Eye contact**

: Forensic Toxicology  
Comprehensive Mix -  
Submix 2

Adverse symptoms may include the following:

pain or irritation  
watering  
redness

Forensic Toxicology  
Comprehensive Mix –  
Submix 7

Adverse symptoms may include the following:

pain or irritation  
watering  
redness

Forensic Toxicology  
Comprehensive Mix –  
Submix 9A

Adverse symptoms may include the following:

pain or irritation  
watering  
redness

Forensic Toxicology  
Comprehensive Mix –  
Submix 9B

Adverse symptoms may include the following:

pain or irritation  
watering  
redness

Forensic Toxicology  
Comprehensive Mix –  
Submix 9C

Adverse symptoms may include the following:

pain or irritation  
watering  
redness

Forensic Toxicology  
Comprehensive Mix –  
Submix 9D

Adverse symptoms may include the following:

pain or irritation  
watering  
redness

#### **Inhalation**

: Forensic Toxicology  
Comprehensive Mix -  
Submix 2

No specific data.

Forensic Toxicology  
Comprehensive Mix –  
Submix 7

No specific data.

Forensic Toxicology  
Comprehensive Mix –  
Submix 9A

No specific data.

Forensic Toxicology  
Comprehensive Mix –  
Submix 9B

No specific data.

Forensic Toxicology  
Comprehensive Mix –  
Submix 9C

No specific data.

Forensic Toxicology

No specific data.



## Section 4. First aid measures

	Comprehensive Mix – Submix 9D	
<b>Skin contact</b>	: Forensic Toxicology Comprehensive Mix - Submix 2	No specific data.
	Forensic Toxicology Comprehensive Mix – Submix 7	No specific data.
	Forensic Toxicology Comprehensive Mix – Submix 9A	No specific data.
	Forensic Toxicology Comprehensive Mix – Submix 9B	No specific data.
	Forensic Toxicology Comprehensive Mix – Submix 9C	No specific data.
	Forensic Toxicology Comprehensive Mix – Submix 9D	No specific data.
<b>Ingestion</b>	: Forensic Toxicology Comprehensive Mix - Submix 2	No specific data.
	Forensic Toxicology Comprehensive Mix – Submix 7	No specific data.
	Forensic Toxicology Comprehensive Mix – Submix 9A	No specific data.
	Forensic Toxicology Comprehensive Mix – Submix 9B	No specific data.
	Forensic Toxicology Comprehensive Mix – Submix 9C	No specific data.
	Forensic Toxicology Comprehensive Mix – Submix 9D	No specific data.

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

<b>Notes to physician</b>	: Forensic Toxicology Comprehensive Mix - Submix 2	In case of inhalation of decomposition products in a fire, symptoms may be delayed. The exposed person may need to be kept under medical surveillance for 48 hours.
	Forensic Toxicology 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.
	Forensic Toxicology Comprehensive Mix – Submix 9A	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.
	Forensic Toxicology Comprehensive Mix – Submix 9B	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.
	Forensic Toxicology Comprehensive Mix – Submix 9C	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.
	Forensic Toxicology Comprehensive Mix –	In case of inhalation of decomposition products in a fire, symptoms may be delayed. The exposed

## Section 4. First aid measures

	Submix 9D	person may need to be kept under medical surveillance for 48 hours.
<b>Specific treatments</b>	: Forensic Toxicology Comprehensive Mix - Submix 2	No specific treatment.
	Forensic Toxicology Comprehensive Mix – Submix 7	No specific treatment.
	Forensic Toxicology Comprehensive Mix – Submix 9A	No specific treatment.
	Forensic Toxicology Comprehensive Mix – Submix 9B	No specific treatment.
	Forensic Toxicology Comprehensive Mix – Submix 9C	No specific treatment.
	Forensic Toxicology Comprehensive Mix – Submix 9D	No specific treatment.
<b>Protection of first-aiders</b>	: Forensic Toxicology Comprehensive Mix - Submix 2	No action shall be taken involving any personal risk or without suitable training. If it is suspected that fumes are still present, the rescuer should wear an appropriate mask or self-contained breathing apparatus. It may be dangerous to the person providing aid to give mouth-to-mouth resuscitation. Wash contaminated clothing thoroughly with water before removing it, or wear gloves.
	Forensic Toxicology Comprehensive Mix – Submix 7	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.
	Forensic Toxicology Comprehensive Mix – Submix 9A	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.
	Forensic Toxicology Comprehensive Mix – Submix 9B	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.
	Forensic Toxicology Comprehensive Mix – Submix 9C	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.
	Forensic Toxicology Comprehensive Mix – Submix 9D	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

## Section 4. First aid measures

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

See toxicological information (Section 11)

## Section 5. Firefighting measures

### Extinguishing media

<b>Suitable extinguishing media</b>	: Forensic Toxicology Comprehensive Mix - Submix 2	Use dry chemical, CO <sub>2</sub> , water spray (fog) or foam.
	Forensic Toxicology Comprehensive Mix – Submix 7	Use dry chemical, CO <sub>2</sub> , water spray (fog) or foam.
	Forensic Toxicology Comprehensive Mix – Submix 9A	Use dry chemical, CO <sub>2</sub> , water spray (fog) or foam.
	Forensic Toxicology Comprehensive Mix – Submix 9B	Use dry chemical, CO <sub>2</sub> , water spray (fog) or foam.
	Forensic Toxicology Comprehensive Mix – Submix 9C	Use dry chemical, CO <sub>2</sub> , water spray (fog) or foam.
	Forensic Toxicology Comprehensive Mix – Submix 9D	Use dry chemical, CO <sub>2</sub> , water spray (fog) or foam.

<b>Unsuitable extinguishing media</b>	: Forensic Toxicology Comprehensive Mix - Submix 2	Do not use water jet.
	Forensic Toxicology Comprehensive Mix – Submix 7	Do not use water jet.
	Forensic Toxicology Comprehensive Mix – Submix 9A	Do not use water jet.
	Forensic Toxicology Comprehensive Mix – Submix 9B	Do not use water jet.
	Forensic Toxicology Comprehensive Mix – Submix 9C	Do not use water jet.
	Forensic Toxicology Comprehensive Mix – Submix 9D	Do not use water jet.

### Specific hazards arising from the chemical

: Forensic Toxicology Comprehensive Mix - Submix 2	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.
Forensic Toxicology 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

## Section 5. Firefighting measures

	Forensic Toxicology Comprehensive Mix – Submix 9A	in low or confined areas or travel a considerable distance to a source of ignition and flash back. This material is harmful 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. 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.
	Forensic Toxicology Comprehensive Mix – Submix 9B	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.
	Forensic Toxicology Comprehensive Mix – Submix 9C	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.
	Forensic Toxicology Comprehensive Mix – Submix 9D	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.
<b>Hazardous thermal decomposition products</b>	: Forensic Toxicology Comprehensive Mix – Submix 2	Decomposition products may include the following materials:  carbon dioxide carbon monoxide nitrogen oxides cyanides
	Forensic Toxicology Comprehensive Mix – Submix 7	Decomposition products may include the following materials:  carbon dioxide carbon monoxide nitrogen oxides cyanides
	Forensic Toxicology Comprehensive Mix – Submix 9A	Decomposition products may include the following materials:  carbon dioxide carbon monoxide nitrogen oxides cyanides
	Forensic Toxicology Comprehensive Mix – Submix 9B	Decomposition products may include the following materials:  carbon dioxide

## Section 5. Firefighting measures

		carbon monoxide nitrogen oxides cyanides
	Forensic Toxicology Comprehensive Mix – Submix 9C	Decomposition products may include the following materials:
		carbon dioxide carbon monoxide nitrogen oxides cyanides
	Forensic Toxicology Comprehensive Mix – Submix 9D	Decomposition products may include the following materials:
		carbon dioxide carbon monoxide nitrogen oxides cyanides
<b>Special protective actions for fire-fighters</b>	: Forensic Toxicology Comprehensive Mix - Submix 2	Promptly isolate the scene by removing all persons from the vicinity of the incident if there is a fire. No action shall be taken involving any personal risk or without suitable training. Move containers from fire area if this can be done without risk. Use water spray to keep fire-exposed containers cool.
	Forensic Toxicology 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.
	Forensic Toxicology Comprehensive Mix – Submix 9A	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.
	Forensic Toxicology Comprehensive Mix – Submix 9B	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.
	Forensic Toxicology Comprehensive Mix – Submix 9C	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.
	Forensic Toxicology Comprehensive Mix – Submix 9D	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.
<b>Special protective equipment for fire-fighters</b>	: Forensic Toxicology Comprehensive Mix - Submix 2	Fire-fighters should wear appropriate protective equipment and self-contained breathing apparatus (SCBA) with a full face-piece operated in positive pressure mode.
	Forensic Toxicology 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.
	Forensic Toxicology	Fire-fighters should wear appropriate protective

## Section 5. Firefighting measures

Comprehensive Mix – Submix 9A	equipment and self-contained breathing apparatus (SCBA) with a full face-piece operated in positive pressure mode.
Forensic Toxicology Comprehensive Mix – Submix 9B	Fire-fighters should wear appropriate protective equipment and self-contained breathing apparatus (SCBA) with a full face-piece operated in positive pressure mode.
Forensic Toxicology Comprehensive Mix – Submix 9C	Fire-fighters should wear appropriate protective equipment and self-contained breathing apparatus (SCBA) with a full face-piece operated in positive pressure mode.
Forensic Toxicology Comprehensive Mix – Submix 9D	Fire-fighters should wear appropriate protective equipment and self-contained breathing apparatus (SCBA) with a full face-piece operated in positive pressure mode.

### Hazchem code

: Forensic Toxicology Comprehensive Mix - Submix 2	•2YE
Forensic Toxicology Comprehensive Mix – Submix 7	•2YE
Forensic Toxicology Comprehensive Mix – Submix 9A	•2YE
Forensic Toxicology Comprehensive Mix – Submix 9B	•2YE
Forensic Toxicology Comprehensive Mix – Submix 9C	•2YE
Forensic Toxicology Comprehensive Mix – Submix 9D	•2YE

## Section 6. Accidental release measures

### Personal precautions, protective equipment and emergency procedures

#### For non-emergency personnel

: Forensic Toxicology Comprehensive Mix - Submix 2	No action shall be taken involving any personal risk or without suitable training. Evacuate surrounding areas. Keep unnecessary and unprotected personnel from entering. Do not touch or walk through 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.
Forensic Toxicology 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.
Forensic Toxicology Comprehensive Mix – Submix 9A	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



## Section 6. Accidental release measures

Forensic Toxicology  
Comprehensive Mix –  
Submix 9B

breathing vapour or mist. Provide adequate ventilation. Wear appropriate respirator when ventilation is inadequate. Put on appropriate 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.

Forensic Toxicology  
Comprehensive Mix –  
Submix 9C

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.

Forensic Toxicology  
Comprehensive Mix –  
Submix 9D

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 :** Forensic Toxicology  
Comprehensive Mix –  
Submix 2

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".

Forensic Toxicology  
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".

Forensic Toxicology  
Comprehensive Mix –  
Submix 9A

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".

Forensic Toxicology  
Comprehensive Mix –  
Submix 9B

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".

Forensic Toxicology  
Comprehensive Mix –  
Submix 9C

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".

Forensic Toxicology  
Comprehensive Mix –  
Submix 9D

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



## Section 6. Accidental release measures

<b>Environmental precautions</b> :	Forensic Toxicology Comprehensive Mix - Submix 2	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).
	Forensic Toxicology 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). Water polluting material. May be harmful to the environment if released in large quantities.
	Forensic Toxicology Comprehensive Mix – Submix 9A	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).
	Forensic Toxicology Comprehensive Mix – Submix 9B	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).
	Forensic Toxicology Comprehensive Mix – Submix 9C	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).
	Forensic Toxicology Comprehensive Mix – Submix 9D	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> :	Forensic Toxicology Comprehensive Mix - Submix 2	Stop leak if without risk. Move containers from spill area. Use spark-proof tools and explosion-proof equipment. Dilute with water and mop up if water-soluble. Alternatively, or if water-insoluble, absorb with an inert dry material and place in an appropriate waste disposal container. Dispose of via a licensed waste disposal contractor.
	Forensic Toxicology 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.
	Forensic Toxicology Comprehensive Mix – Submix 9A	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.
	Forensic Toxicology Comprehensive Mix – Submix 9B	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.
	Forensic Toxicology	Stop leak if without risk. Move containers from spill

## Section 6. Accidental release measures

Comprehensive Mix –  
Submix 9C

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.

Forensic Toxicology  
Comprehensive Mix –  
Submix 9D

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

: Forensic Toxicology  
Comprehensive Mix -  
Submix 2

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.

Forensic Toxicology  
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. 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.

Forensic Toxicology  
Comprehensive Mix –  
Submix 9A

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.

## Section 7. Handling and storage

Forensic Toxicology  
Comprehensive Mix –  
Submix 9B

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.

Forensic Toxicology  
Comprehensive Mix –  
Submix 9C

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.

Forensic Toxicology  
Comprehensive Mix –  
Submix 9D

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

: Forensic Toxicology  
Comprehensive Mix –  
Submix 2

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.

Forensic Toxicology  
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

## Section 7. Handling and storage

Forensic Toxicology  
Comprehensive Mix –  
Submix 9A

before entering eating areas. See also Section 8 for 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.

Forensic Toxicology  
Comprehensive Mix –  
Submix 9B

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.

Forensic Toxicology  
Comprehensive Mix –  
Submix 9C

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.

Forensic Toxicology  
Comprehensive Mix –  
Submix 9D

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

Forensic Toxicology  
Comprehensive Mix –  
Submix 2

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

Forensic Toxicology  
Comprehensive Mix –  
Submix 7

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

Forensic Toxicology  
Comprehensive Mix –

Store between the following temperatures: 18 to 25°C (64.4 to 77°F). Store in accordance with local

## Section 7. Handling and storage

Submix 9A

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.

Forensic Toxicology  
Comprehensive Mix –  
Submix 9B

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

Forensic Toxicology  
Comprehensive Mix –  
Submix 9C

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

Forensic Toxicology  
Comprehensive Mix –  
Submix 9D

Store between the following temperatures: 18 to 25°C (64.4 to 77°F). Store in accordance with local regulations. Store in a segregated and approved area. Store in original container protected from direct sunlight in a dry, cool and well-ventilated area, away from incompatible materials (see Section 10) and food and drink. Eliminate all ignition sources. Separate from oxidizing materials. Keep container tightly closed and sealed until ready for use. Containers that have been opened must be carefully resealed and kept upright to prevent leakage. Do not store in 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>Forensic Toxicology Comprehensive Mix - Submix 2</b> Acetonitrile	<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.
<b>Forensic Toxicology Comprehensive Mix – Submix 7</b> Acetonitrile	<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.
<b>Forensic Toxicology Comprehensive Mix – Submix 9A</b> Acetonitrile	<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.
<b>Forensic Toxicology Comprehensive Mix – Submix 9B</b> Acetonitrile	<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.
<b>Forensic Toxicology Comprehensive Mix – Submix 9C</b> Acetonitrile	<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.
<b>Forensic Toxicology Comprehensive Mix – Submix 9D</b> Acetonitrile	<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.

### [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.

## Section 8. Exposure controls and personal protection

### Individual protection measures

- Hygiene measures** : Wash hands, forearms and face thoroughly after handling chemical products, before eating, smoking and using the lavatory and at the end of the working period. Appropriate techniques should be used to remove potentially contaminated clothing. Wash contaminated clothing before reusing. Ensure that eyewash stations and safety showers are close to the workstation location.
- Eye/face protection** : Safety eyewear complying with an approved standard should be used when a risk assessment indicates this is necessary to avoid exposure to liquid splashes, mists, gases or dusts. If contact is possible, the following protection should be worn, unless the assessment indicates a higher degree of protection: chemical splash goggles.
- Skin protection**
- Hand protection** : Chemical-resistant, impervious gloves complying with an approved standard should be worn at all times when handling chemical products if a risk assessment indicates this is necessary. Considering the parameters specified by the glove manufacturer, check during use that the gloves are still retaining their protective properties. It should be noted that the time to breakthrough for any glove material may be different for different glove manufacturers. In the case of mixtures, consisting of several substances, the protection time of the gloves cannot be accurately estimated.
- Body protection** : Personal protective equipment for the body should be selected based on the task being performed and the risks involved and should be approved by a specialist before handling this product.
- Other skin protection** : Appropriate footwear and any additional skin protection measures should be selected based on the task being performed and the risks involved and should be approved by a specialist before handling this product.
- Respiratory protection** : Based on the hazard and potential for exposure, select a respirator that meets the appropriate standard or certification. Respirators must be used according to a respiratory protection program to ensure proper fitting, training, and other important aspects of use.

## Section 9. Physical and chemical properties

### Appearance

- Physical state**
- |   |   |         |
|---|---|---------|
| Forensic Toxicology Comprehensive Mix - Submix 2  | : | Liquid. |
| Forensic Toxicology Comprehensive Mix – Submix 7  | : | Liquid. |
| Forensic Toxicology Comprehensive Mix – Submix 9A | : | Liquid. |
| Forensic Toxicology Comprehensive Mix – Submix 9B | : | Liquid. |
| Forensic Toxicology Comprehensive Mix – Submix 9C | : | Liquid. |
| Forensic Toxicology Comprehensive Mix – Submix 9D | : | Liquid. |
- Colour**
- |  |   |                |
|--|---|----------------|
| Forensic Toxicology Comprehensive Mix - Submix 2 | : | Not available. |
| Forensic Toxicology Comprehensive Mix – Submix 7 | : | Not available. |
| Forensic Toxicology Comprehensive Mix –          | : | Not available. |



## Section 9. Physical and chemical properties

	Submix 9A	
	Forensic Toxicology Comprehensive Mix – Submix 9B	Not available.
	Forensic Toxicology Comprehensive Mix – Submix 9C	Not available.
	Forensic Toxicology Comprehensive Mix – Submix 9D	Not available.
<b>Odour</b>	: Forensic Toxicology Comprehensive Mix - Submix 2	Not available.
	Forensic Toxicology Comprehensive Mix – Submix 7	Not available.
	Forensic Toxicology Comprehensive Mix – Submix 9A	Not available.
	Forensic Toxicology Comprehensive Mix – Submix 9B	Not available.
	Forensic Toxicology Comprehensive Mix – Submix 9C	Not available.
	Forensic Toxicology Comprehensive Mix – Submix 9D	Not available.
<b>Odour threshold</b>	: Forensic Toxicology Comprehensive Mix - Submix 2	42 ppm
	Forensic Toxicology Comprehensive Mix – Submix 7	42 ppm
	Forensic Toxicology Comprehensive Mix – Submix 9A	Not available.
	Forensic Toxicology Comprehensive Mix – Submix 9B	Not available.
	Forensic Toxicology Comprehensive Mix – Submix 9C	Not available.
	Forensic Toxicology Comprehensive Mix – Submix 9D	Not available.
<b>pH</b>	: Forensic Toxicology Comprehensive Mix - Submix 2	Not available.
	Forensic Toxicology Comprehensive Mix – Submix 7	Not available.
	Forensic Toxicology Comprehensive Mix – Submix 9A	Not available.
	Forensic Toxicology Comprehensive Mix – Submix 9B	Not available.
	Forensic Toxicology Comprehensive Mix – Submix 9C	Not available.
	Forensic Toxicology	Not available.

## Section 9. Physical and chemical properties

	Comprehensive Mix – Submix 9D	
<b>Melting point</b>	: Forensic Toxicology Comprehensive Mix – Submix 2	-46°C (-50.8°F)
	Forensic Toxicology Comprehensive Mix – Submix 7	-46°C (-50.8°F)
	Forensic Toxicology Comprehensive Mix – Submix 9A	-98°C (-144.4°F)
	Forensic Toxicology Comprehensive Mix – Submix 9B	-98°C (-144.4°F)
	Forensic Toxicology Comprehensive Mix – Submix 9C	-98°C (-144.4°F)
	Forensic Toxicology Comprehensive Mix – Submix 9D	-98°C (-144.4°F)
<b>Boiling point</b>	: Forensic Toxicology Comprehensive Mix – Submix 2	82°C (179.6°F)
	Forensic Toxicology Comprehensive Mix – Submix 7	82°C (179.6°F)
	Forensic Toxicology Comprehensive Mix – Submix 9A	65°C (149°F)
	Forensic Toxicology Comprehensive Mix – Submix 9B	65°C (149°F)
	Forensic Toxicology Comprehensive Mix – Submix 9C	65°C (149°F)
	Forensic Toxicology Comprehensive Mix – Submix 9D	65°C (149°F)
<b>Flash point</b>	: Forensic Toxicology Comprehensive Mix – Submix 2	Closed cup: 12.8°C (55°F)
	Forensic Toxicology Comprehensive Mix – Submix 7	Closed cup: 12.8°C (55°F)
	Forensic Toxicology Comprehensive Mix – Submix 9A	Closed cup: 12°C (53.6°F)
	Forensic Toxicology Comprehensive Mix – Submix 9B	Open cup: 15.85°C (60.5°F) Closed cup: 12°C (53.6°F)
	Forensic Toxicology Comprehensive Mix – Submix 9C	Open cup: 15.85°C (60.5°F) Closed cup: 12°C (53.6°F)
	Forensic Toxicology Comprehensive Mix – Submix 9D	Open cup: 15.85°C (60.5°F) Closed cup: 12°C (53.6°F)
		Open cup: 15.85°C (60.5°F)

## Section 9. Physical and chemical properties

<b>Evaporation rate</b>	: Forensic Toxicology Comprehensive Mix - Submix 2	2.33 (butyl acetate = 1)	
	Forensic Toxicology Comprehensive Mix – Submix 7	2.33 (butyl acetate = 1)	
	Forensic Toxicology Comprehensive Mix – Submix 9A	2.1 (butyl acetate = 1)	
	Forensic Toxicology Comprehensive Mix – Submix 9B	2.1 (butyl acetate = 1)	
	Forensic Toxicology Comprehensive Mix – Submix 9C	2.1 (butyl acetate = 1)	
	Forensic Toxicology Comprehensive Mix – Submix 9D	2.1 (butyl acetate = 1)	
	<b>Flammability (solid, gas)</b>	: Forensic Toxicology Comprehensive Mix - Submix 2	Not applicable.
		Forensic Toxicology Comprehensive Mix – Submix 7	Not applicable.
Forensic Toxicology Comprehensive Mix – Submix 9A		Not applicable.	
Forensic Toxicology Comprehensive Mix – Submix 9B		Not applicable.	
Forensic Toxicology Comprehensive Mix – Submix 9C		Not applicable.	
Forensic Toxicology Comprehensive Mix – Submix 9D		Not applicable.	
<b>Lower and upper explosive (flammable) limits</b>		: Forensic Toxicology Comprehensive Mix - Submix 2	Lower: 3%
		Forensic Toxicology Comprehensive Mix – Submix 7	Upper: 16% Lower: 3%
	Forensic Toxicology Comprehensive Mix – Submix 9A	Upper: 16% Lower: 5.5%	
	Forensic Toxicology Comprehensive Mix – Submix 9B	Upper: 44% Lower: 5.5%	
	Forensic Toxicology Comprehensive Mix – Submix 9C	Upper: 44% Lower: 5.5%	
	Forensic Toxicology Comprehensive Mix – Submix 9D	Upper: 44% Lower: 5.5%	
		Upper: 44%	
		Upper: 44%	

## Section 9. Physical and chemical properties

<b>Vapour pressure</b>	:	Forensic Toxicology Comprehensive Mix - Submix 2	9.7 kPa (72.75 mm Hg) [room temperature]		
		Forensic Toxicology Comprehensive Mix – Submix 7	9.7 kPa (72.75 mm Hg) [room temperature]		
		Forensic Toxicology Comprehensive Mix – Submix 9A	12.3 kPa (92.25 mm Hg) [room temperature]		
		Forensic Toxicology Comprehensive Mix – Submix 9B	12.3 kPa (92.25 mm Hg) [room temperature]		
		Forensic Toxicology Comprehensive Mix – Submix 9C	12.3 kPa (92.25 mm Hg) [room temperature]		
		Forensic Toxicology Comprehensive Mix – Submix 9D	12.3 kPa (92.25 mm Hg) [room temperature]		
		<b>Vapour density</b>	:	Forensic Toxicology Comprehensive Mix - Submix 2	1.4 [Air = 1]
				Forensic Toxicology Comprehensive Mix – Submix 7	1.4 [Air = 1]
Forensic Toxicology Comprehensive Mix – Submix 9A	1.1 [Air = 1]				
Forensic Toxicology Comprehensive Mix – Submix 9B	1.1 [Air = 1]				
Forensic Toxicology Comprehensive Mix – Submix 9C	1.1 [Air = 1]				
Forensic Toxicology Comprehensive Mix – Submix 9D	1.1 [Air = 1]				
<b>Relative density</b>	:			Forensic Toxicology Comprehensive Mix - Submix 2	0.8
				Forensic Toxicology Comprehensive Mix – Submix 7	0.8
		Forensic Toxicology Comprehensive Mix – Submix 9A	0.79		
		Forensic Toxicology Comprehensive Mix – Submix 9B	0.79		
		Forensic Toxicology Comprehensive Mix – Submix 9C	0.79		
		Forensic Toxicology Comprehensive Mix – Submix 9D	0.79		
		<b>Solubility</b>	:	Forensic Toxicology Comprehensive Mix - Submix 2	Easily soluble in the following materials: cold water, hot water and acetone.
				Forensic Toxicology Comprehensive Mix – Submix 7	Soluble in the following materials: methanol. Easily soluble in the following materials: cold water, hot water and acetone.
Forensic Toxicology	Soluble in the following materials: methanol. Easily soluble in the following materials: cold water,				

## Section 9. Physical and chemical properties

	Comprehensive Mix – Submix 9A	hot water, methanol, n-octanol and acetone.
	Forensic Toxicology Comprehensive Mix – Submix 9B	Easily soluble in the following materials: cold water, hot water, methanol, n-octanol and acetone.
	Forensic Toxicology Comprehensive Mix – Submix 9C	Easily soluble in the following materials: cold water, hot water, methanol, n-octanol and acetone.
	Forensic Toxicology Comprehensive Mix – Submix 9D	Easily soluble in the following materials: cold water, hot water, methanol, n-octanol and acetone.
<b>Partition coefficient: n-octanol/water</b>	: Forensic Toxicology Comprehensive Mix - Submix 2	-0.34
	Forensic Toxicology Comprehensive Mix – Submix 7	-0.34
	Forensic Toxicology Comprehensive Mix – Submix 9A	-0.77
	Forensic Toxicology Comprehensive Mix – Submix 9B	-0.77
	Forensic Toxicology Comprehensive Mix – Submix 9C	-0.77
	Forensic Toxicology Comprehensive Mix – Submix 9D	-0.77
<b>Auto-ignition temperature</b>	: Forensic Toxicology Comprehensive Mix - Submix 2	524°C (975.2°F)
	Forensic Toxicology Comprehensive Mix – Submix 7	524°C (975.2°F)
	Forensic Toxicology Comprehensive Mix – Submix 9A	464°C (867.2°F)
	Forensic Toxicology Comprehensive Mix – Submix 9B	464°C (867.2°F)
	Forensic Toxicology Comprehensive Mix – Submix 9C	464°C (867.2°F)
	Forensic Toxicology Comprehensive Mix – Submix 9D	464°C (867.2°F)
<b>Decomposition temperature</b>	: Forensic Toxicology Comprehensive Mix - Submix 2	120°C (248°F)
	Forensic Toxicology Comprehensive Mix – Submix 7	120°C (248°F)
	Forensic Toxicology Comprehensive Mix – Submix 9A	Not available.
	Forensic Toxicology Comprehensive Mix – Submix 9B	Not available.
	Forensic Toxicology Comprehensive Mix – Submix 9C	Not available.
	Forensic Toxicology Comprehensive Mix – Submix 9D	Not available.

## Section 9. Physical and chemical properties

	Comprehensive Mix – Submix 9D	
<b>Viscosity</b>	: Forensic Toxicology Comprehensive Mix – Submix 2	Not available.
	Forensic Toxicology Comprehensive Mix – Submix 7	Not available.
	Forensic Toxicology Comprehensive Mix – Submix 9A	Dynamic (room temperature): 0.614 mPa·s (0.614 cP)
	Forensic Toxicology Comprehensive Mix – Submix 9B	Dynamic (room temperature): 0.614 mPa·s (0.614 cP)
	Forensic Toxicology Comprehensive Mix – Submix 9C	Dynamic (room temperature): 0.614 mPa·s (0.614 cP)
	Forensic Toxicology Comprehensive Mix – Submix 9D	Dynamic (room temperature): 0.614 mPa·s (0.614 cP)

## Section 10. Stability and reactivity

<b>Reactivity</b>	: Forensic Toxicology Comprehensive Mix – Submix 2	No specific test data related to reactivity available for this product or its ingredients.
	Forensic Toxicology Comprehensive Mix – Submix 7	No specific test data related to reactivity available for this product or its ingredients.
	Forensic Toxicology Comprehensive Mix – Submix 9A	No specific test data related to reactivity available for this product or its ingredients.
	Forensic Toxicology Comprehensive Mix – Submix 9B	No specific test data related to reactivity available for this product or its ingredients.
	Forensic Toxicology Comprehensive Mix – Submix 9C	No specific test data related to reactivity available for this product or its ingredients.
	Forensic Toxicology Comprehensive Mix – Submix 9D	No specific test data related to reactivity available for this product or its ingredients.
<b>Chemical stability</b>	: Forensic Toxicology Comprehensive Mix – Submix 2	The product is stable.
	Forensic Toxicology Comprehensive Mix – Submix 7	The product is stable.
	Forensic Toxicology Comprehensive Mix – Submix 9A	The product is stable.
	Forensic Toxicology Comprehensive Mix – Submix 9B	The product is stable.
	Forensic Toxicology Comprehensive Mix – Submix 9C	The product is stable.
	Forensic Toxicology Comprehensive Mix – Submix 9D	The product is stable.



## Section 10. Stability and reactivity

<b>Possibility of hazardous reactions</b>	: Forensic Toxicology Comprehensive Mix - Submix 2	Under normal conditions of storage and use, hazardous reactions will not occur.
	Forensic Toxicology Comprehensive Mix – Submix 7	Under normal conditions of storage and use, hazardous reactions will not occur.
	Forensic Toxicology Comprehensive Mix – Submix 9A	Under normal conditions of storage and use, hazardous reactions will not occur.
	Forensic Toxicology Comprehensive Mix – Submix 9B	Under normal conditions of storage and use, hazardous reactions will not occur.
	Forensic Toxicology Comprehensive Mix – Submix 9C	Under normal conditions of storage and use, hazardous reactions will not occur.
<b>Conditions to avoid</b>	: Forensic Toxicology Comprehensive Mix - Submix 2	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.
	Forensic Toxicology 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.
	Forensic Toxicology Comprehensive Mix – Submix 9A	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.
	Forensic Toxicology Comprehensive Mix – Submix 9B	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.
	Forensic Toxicology Comprehensive Mix – Submix 9C	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>	: Forensic Toxicology Comprehensive Mix - Submix 2	Reactive or incompatible with the following materials:  oxidizing materials
	Forensic Toxicology Comprehensive Mix – Submix 7	Reactive or incompatible with the following materials:  oxidizing materials
	Forensic Toxicology Comprehensive Mix – Submix 9A	Reactive or incompatible with the following materials:  oxidizing materials

## Section 10. Stability and reactivity

Forensic Toxicology  
Comprehensive Mix –  
Submix 9B

Reactive or incompatible with the following materials:

oxidizing materials

Forensic Toxicology  
Comprehensive Mix –  
Submix 9C

Reactive or incompatible with the following materials:

oxidizing materials

Forensic Toxicology  
Comprehensive Mix –  
Submix 9D

Reactive or incompatible with the following materials:

oxidizing materials

### Hazardous decomposition products

: Forensic Toxicology  
Comprehensive Mix -  
Submix 2  
Forensic Toxicology  
Comprehensive Mix –  
Submix 7  
Forensic Toxicology  
Comprehensive Mix –  
Submix 9A  
Forensic Toxicology  
Comprehensive Mix –  
Submix 9B  
Forensic Toxicology  
Comprehensive Mix –  
Submix 9C  
Forensic Toxicology  
Comprehensive Mix –  
Submix 9D

Under normal conditions of storage and use, hazardous decomposition products should not be produced.  
Under normal conditions of storage and use, hazardous decomposition products should not be produced.  
Under normal conditions of storage and use, hazardous decomposition products should not be produced.  
Under normal conditions of storage and use, hazardous decomposition products should not be produced.  
Under normal conditions of storage and use, hazardous decomposition products should not be produced.  
Under normal conditions of storage and use, hazardous decomposition products should not be produced.

## Section 11. Toxicological information

### Information on toxicological effects

#### Acute toxicity

Product/ingredient name	Result	Species	Dose	Exposure
<b>Forensic Toxicology Comprehensive Mix - Submix 2</b> Acetonitrile	LC50 Inhalation Vapour LD50 Oral	Rat Rat	17100 ppm 2460 mg/kg	4 hours -
<b>Forensic Toxicology Comprehensive Mix – Submix 7</b> Acetonitrile furosemide	LC50 Inhalation Vapour LD50 Oral LD50 Oral	Rat Rat Rat	17100 ppm 2460 mg/kg 2600 mg/kg	4 hours - -
<b>Forensic Toxicology Comprehensive Mix – Submix 9A</b> Acetonitrile	LC50 Inhalation Vapour LD50 Oral	Rat Rat	17100 ppm 2460 mg/kg	4 hours -
<b>Forensic Toxicology Comprehensive Mix – Submix 9B</b> Acetonitrile	LC50 Inhalation Vapour LD50 Oral	Rat Rat	17100 ppm 2460 mg/kg	4 hours -

**Section 11. Toxicological information**

<b>Forensic Toxicology Comprehensive Mix – Submix 9C</b> Acetonitrile	LC50 Inhalation Vapour LD50 Oral	Rat Rat	17100 ppm 2460 mg/kg	4 hours -
<b>Forensic Toxicology Comprehensive Mix – Submix 9D</b> Acetonitrile	LC50 Inhalation Vapour LD50 Oral	Rat Rat	17100 ppm 2460 mg/kg	4 hours -

**Irritation/Corrosion**

<b>Product/ingredient name</b>	<b>Result</b>	<b>Species</b>	<b>Score</b>	<b>Exposure</b>	<b>Observation</b>
<b>Forensic Toxicology Comprehensive Mix - Submix 2</b> Acetonitrile	Eyes - Moderate irritant	Rabbit	-	24 hours 100 microliters	-
	Skin - Mild irritant	Rabbit	-	500 milligrams	-
<b>Forensic Toxicology Comprehensive Mix – Submix 7</b> Acetonitrile	Eyes - Moderate irritant	Rabbit	-	24 hours 100 microliters	-
	Skin - Mild irritant	Rabbit	-	500 milligrams	-
<b>Forensic Toxicology Comprehensive Mix – Submix 9A</b> Acetonitrile	Eyes - Moderate irritant	Rabbit	-	24 hours 100 microliters	-
	Skin - Mild irritant	Rabbit	-	500 milligrams	-
<b>Forensic Toxicology Comprehensive Mix – Submix 9B</b> Acetonitrile	Eyes - Moderate irritant	Rabbit	-	24 hours 100 microliters	-
	Skin - Mild irritant	Rabbit	-	500 milligrams	-
<b>Forensic Toxicology Comprehensive Mix – Submix 9C</b> Acetonitrile	Eyes - Moderate irritant	Rabbit	-	24 hours 100 microliters	-
	Skin - Mild irritant	Rabbit	-	500 milligrams	-
<b>Forensic Toxicology Comprehensive Mix – Submix 9D</b> Acetonitrile	Eyes - Moderate irritant	Rabbit	-	24 hours 100 microliters	-
	Skin - Mild irritant	Rabbit	-	500 milligrams	-

## Section 11. Toxicological information

### 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)

Not available.

### Specific target organ toxicity (repeated exposure)

Not available.

### Aspiration hazard

Not available.

<b>Information on likely routes of exposure</b>	<ul style="list-style-type: none"> <li>: Forensic Toxicology Comprehensive Mix - Submix 2</li> <li>Forensic Toxicology Comprehensive Mix – Submix 7</li> <li>Forensic Toxicology Comprehensive Mix – Submix 9A</li> <li>Forensic Toxicology Comprehensive Mix – Submix 9B</li> <li>Forensic Toxicology Comprehensive Mix – Submix 9C</li> <li>Forensic Toxicology Comprehensive Mix – Submix 9D</li> </ul>	<ul style="list-style-type: none"> <li>Routes of entry anticipated: Oral, Dermal, Inhalation.</li> <li>Routes of entry anticipated: Oral, Dermal, Inhalation.</li> <li>Routes of entry anticipated: Oral, Dermal, Inhalation.</li> <li>Routes of entry anticipated: Oral, Dermal, Inhalation.</li> <li>Routes of entry anticipated: Oral, Dermal, Inhalation.</li> <li>Routes of entry anticipated: Oral, Dermal, Inhalation.</li> </ul>
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### Potential acute health effects

<b>Eye contact</b>	<ul style="list-style-type: none"> <li>: Forensic Toxicology Comprehensive Mix - Submix 2</li> <li>Forensic Toxicology Comprehensive Mix – Submix 7</li> <li>Forensic Toxicology Comprehensive Mix – Submix 9A</li> <li>Forensic Toxicology Comprehensive Mix – Submix 9B</li> <li>Forensic Toxicology Comprehensive Mix – Submix 9C</li> <li>Forensic Toxicology Comprehensive Mix – Submix 9D</li> </ul>	<ul style="list-style-type: none"> <li>Causes serious eye irritation.</li> <li>Causes serious eye irritation.</li> <li>Causes serious eye irritation.</li> <li>Causes serious eye irritation.</li> <li>Causes serious eye irritation.</li> <li>Causes serious eye irritation.</li> </ul>
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## Section 11. Toxicological information

<b>Inhalation</b>	: Forensic Toxicology Comprehensive Mix - Submix 2	Harmful if inhaled.
	: Forensic Toxicology Comprehensive Mix – Submix 7	Harmful if inhaled.
	: Forensic Toxicology Comprehensive Mix – Submix 9A	Harmful if inhaled.
	: Forensic Toxicology Comprehensive Mix – Submix 9B	Harmful if inhaled.
<b>Skin contact</b>	: Forensic Toxicology Comprehensive Mix – Submix 9C	Harmful if inhaled.
	: Forensic Toxicology Comprehensive Mix – Submix 9D	Harmful if inhaled.
	: Forensic Toxicology Comprehensive Mix - Submix 2	Harmful in contact with skin.
	: Forensic Toxicology Comprehensive Mix – Submix 7	Harmful in contact with skin.
<b>Ingestion</b>	: Forensic Toxicology Comprehensive Mix – Submix 9A	Harmful in contact with skin.
	: Forensic Toxicology Comprehensive Mix – Submix 9B	Harmful in contact with skin.
	: Forensic Toxicology Comprehensive Mix – Submix 9C	Harmful in contact with skin.
	: Forensic Toxicology Comprehensive Mix – Submix 9D	Harmful in contact with skin.
	: Forensic Toxicology Comprehensive Mix - Submix 2	Harmful if swallowed.
	: Forensic Toxicology Comprehensive Mix – Submix 7	Harmful if swallowed.
	: Forensic Toxicology Comprehensive Mix – Submix 9A	Harmful if swallowed.
	: Forensic Toxicology Comprehensive Mix – Submix 9B	Harmful if swallowed.
	: Forensic Toxicology Comprehensive Mix – Submix 9C	Harmful if swallowed.
	: Forensic Toxicology Comprehensive Mix – Submix 9D	Harmful if swallowed.

### [Symptoms related to the physical, chemical and toxicological characteristics](#)

## Section 11. Toxicological information

<b>Eye contact</b>	: Forensic Toxicology Comprehensive Mix - Submix 2	Adverse symptoms may include the following:  pain or irritation watering redness
	Forensic Toxicology Comprehensive Mix – Submix 7	Adverse symptoms may include the following:  pain or irritation watering redness
	Forensic Toxicology Comprehensive Mix – Submix 9A	Adverse symptoms may include the following:  pain or irritation watering redness
	Forensic Toxicology Comprehensive Mix – Submix 9B	Adverse symptoms may include the following:  pain or irritation watering redness
	Forensic Toxicology Comprehensive Mix – Submix 9C	Adverse symptoms may include the following:  pain or irritation watering redness
	Forensic Toxicology Comprehensive Mix – Submix 9D	Adverse symptoms may include the following:  pain or irritation watering redness
<b>Inhalation</b>	: Forensic Toxicology Comprehensive Mix - Submix 2	No specific data.
	Forensic Toxicology Comprehensive Mix – Submix 7	No specific data.
	Forensic Toxicology Comprehensive Mix – Submix 9A	No specific data.
	Forensic Toxicology Comprehensive Mix – Submix 9B	No specific data.
	Forensic Toxicology Comprehensive Mix – Submix 9C	No specific data.
<b>Skin contact</b>	: Forensic Toxicology Comprehensive Mix - Submix 2	No specific data.
	Forensic Toxicology Comprehensive Mix – Submix 7	No specific data.
	Forensic Toxicology Comprehensive Mix – Submix 9A	No specific data.



## Section 11. Toxicological information

	Forensic Toxicology Comprehensive Mix – Submix 9B	No specific data.
	Forensic Toxicology Comprehensive Mix – Submix 9C	No specific data.
	Forensic Toxicology Comprehensive Mix – Submix 9D	No specific data.
<b>Ingestion</b>	: Forensic Toxicology Comprehensive Mix - Submix 2	No specific data.
	Forensic Toxicology Comprehensive Mix – Submix 7	No specific data.
	Forensic Toxicology Comprehensive Mix – Submix 9A	No specific data.
	Forensic Toxicology Comprehensive Mix – Submix 9B	No specific data.
	Forensic Toxicology Comprehensive Mix – Submix 9C	No specific data.
	Forensic Toxicology Comprehensive Mix – Submix 9D	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>	: Forensic Toxicology Comprehensive Mix - Submix 2	No known significant effects or critical hazards.
	Forensic Toxicology Comprehensive Mix – Submix 7	No known significant effects or critical hazards.
	Forensic Toxicology Comprehensive Mix – Submix 9A	No known significant effects or critical hazards.
	Forensic Toxicology Comprehensive Mix – Submix 9B	No known significant effects or critical hazards.
	Forensic Toxicology Comprehensive Mix – Submix 9C	No known significant effects or critical hazards.
	Forensic Toxicology Comprehensive Mix – Submix 9D	No known significant effects or critical hazards.

## Section 11. Toxicological information

<b>Carcinogenicity</b>	: Forensic Toxicology Comprehensive Mix - Submix 2	No known significant effects or critical hazards.
	Forensic Toxicology Comprehensive Mix – Submix 7	No known significant effects or critical hazards.
	Forensic Toxicology Comprehensive Mix – Submix 9A	No known significant effects or critical hazards.
	Forensic Toxicology Comprehensive Mix – Submix 9B	No known significant effects or critical hazards.
<b>Mutagenicity</b>	: Forensic Toxicology Comprehensive Mix - Submix 2	No known significant effects or critical hazards.
	Forensic Toxicology Comprehensive Mix – Submix 7	No known significant effects or critical hazards.
	Forensic Toxicology Comprehensive Mix – Submix 9A	No known significant effects or critical hazards.
	Forensic Toxicology Comprehensive Mix – Submix 9B	No known significant effects or critical hazards.
<b>Teratogenicity</b>	: Forensic Toxicology Comprehensive Mix - Submix 2	No known significant effects or critical hazards.
	Forensic Toxicology Comprehensive Mix – Submix 7	No known significant effects or critical hazards.
	Forensic Toxicology Comprehensive Mix – Submix 9A	No known significant effects or critical hazards.
	Forensic Toxicology Comprehensive Mix – Submix 9B	No known significant effects or critical hazards.
<b>Developmental effects</b>	: Forensic Toxicology Comprehensive Mix - Submix 2	No known significant effects or critical hazards.
	Forensic Toxicology Comprehensive Mix – Submix 7	No known significant effects or critical hazards.
	Forensic Toxicology Comprehensive Mix – Submix 9C	No known significant effects or critical hazards.
	Forensic Toxicology Comprehensive Mix – Submix 9D	No known significant effects or critical hazards.

## Section 11. Toxicological information

	Submix 9A Forensic Toxicology Comprehensive Mix – Submix 9B	No known significant effects or critical hazards.
	Forensic Toxicology Comprehensive Mix – Submix 9C	No known significant effects or critical hazards.
	Forensic Toxicology Comprehensive Mix – Submix 9D	No known significant effects or critical hazards.
<b>Fertility effects</b>	: Forensic Toxicology Comprehensive Mix - Submix 2	No known significant effects or critical hazards.
	Forensic Toxicology Comprehensive Mix – Submix 7	No known significant effects or critical hazards.
	Forensic Toxicology Comprehensive Mix – Submix 9A	No known significant effects or critical hazards.
	Forensic Toxicology Comprehensive Mix – Submix 9B	No known significant effects or critical hazards.
	Forensic Toxicology Comprehensive Mix – Submix 9C	No known significant effects or critical hazards.
	Forensic Toxicology Comprehensive Mix – Submix 9D	No known significant effects or critical hazards.

### Numerical measures of toxicity

#### Acute toxicity estimates

Route	ATE value
<b>Forensic Toxicology Comprehensive Mix - Submix 2</b> Oral Dermal Inhalation (vapours)	571.9 mg/kg 1258.2 mg/kg 12.58 mg/l
<b>Forensic Toxicology Comprehensive Mix – Submix 7</b> Oral Dermal Inhalation (vapours)	571.2 mg/kg 1256.7 mg/kg 12.57 mg/l
<b>Forensic Toxicology Comprehensive Mix – Submix 9A</b> Oral Dermal Inhalation (vapours)	571.1 mg/kg 1256.5 mg/kg 12.57 mg/l
<b>Forensic Toxicology Comprehensive Mix – Submix 9B</b> Oral Dermal Inhalation (vapours)	571.1 mg/kg 1256.4 mg/kg 12.56 mg/l
<b>Forensic Toxicology Comprehensive Mix – Submix 9C</b> Oral Dermal Inhalation (vapours)	571.1 mg/kg 1256.5 mg/kg 12.57 mg/l
<b>Forensic Toxicology Comprehensive Mix – Submix 9D</b> Oral Dermal Inhalation (vapours)	570.7 mg/kg 1255.4 mg/kg 12.55 mg/l

## Section 11. Toxicological information

<b>Other information</b>	<p>Forensic Toxicology Comprehensive Mix - Submix 2</p> <p>Forensic Toxicology Comprehensive Mix – Submix 7</p> <p>Forensic Toxicology Comprehensive Mix – Submix 9A</p> <p>Forensic Toxicology Comprehensive Mix – Submix 9B</p> <p>Forensic Toxicology Comprehensive Mix – Submix 9C</p> <p>Forensic Toxicology Comprehensive Mix – Submix 9D</p>	<p>Adverse symptoms may include the following: May cause headache, weakness, dizziness, shortness of breath, cyanosis, rapid heart beat, unconsciousness and possible death.</p> <p>Adverse symptoms may include the following: May cause headache, weakness, dizziness, shortness of breath, cyanosis, rapid heart beat, unconsciousness and possible death.</p> <p>Adverse symptoms may include the following: May cause headache, weakness, dizziness, shortness of breath, cyanosis, rapid heart beat, unconsciousness and possible death.</p> <p>Adverse symptoms may include the following: May cause headache, weakness, dizziness, shortness of breath, cyanosis, rapid heart beat, unconsciousness and possible death.</p> <p>Adverse symptoms may include the following: May cause headache, weakness, dizziness, shortness of breath, cyanosis, rapid heart beat, unconsciousness and possible death.</p> <p>Adverse symptoms may include the following: May cause headache, weakness, dizziness, shortness of breath, cyanosis, rapid heart beat, unconsciousness and possible death.</p>
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## Section 12. Ecological information

### Toxicity

Product/ingredient name	Result	Species	Exposure
<b>Forensic Toxicology Comprehensive Mix - Submix 2</b> Acetonitrile	Acute IC50 3685000 µg/l Fresh water	Aquatic plants - Lemna minor	96 hours
	Acute LC50 3600000 µg/l Fresh water	Daphnia - Daphnia magna	48 hours
	Acute LC50 1000000 µg/l Fresh water	Fish - Pimephales promelas	96 hours
	Chronic NOEC 1000000 µg/l Fresh water	Aquatic plants - Lemna minor	96 hours
	Chronic NOEC 160000 µg/l Fresh water	Daphnia - Daphnia magna	21 days
<b>Forensic Toxicology Comprehensive Mix – Submix 7</b> Acetonitrile	Acute IC50 3685000 µg/l Fresh water	Aquatic plants - Lemna minor	96 hours
	Acute LC50 3600000 µg/l Fresh water	Daphnia - Daphnia magna	48 hours
	Acute LC50 1000000 µg/l Fresh water	Fish - Pimephales promelas	96 hours
	Chronic NOEC 1000000 µg/l Fresh water	Aquatic plants - Lemna minor	96 hours
	Chronic NOEC 160000 µg/l Fresh water	Daphnia - Daphnia magna	21 days
furosemide	Chronic NOEC 611.08 ng/L Fresh water	Fish - Danio rerio	28 days
<b>Forensic Toxicology Comprehensive Mix – Submix 9A</b> Acetonitrile	Acute IC50 3685000 µg/l Fresh water	Aquatic plants - Lemna minor	96 hours
	Acute LC50 3600000 µg/l Fresh water	Daphnia - Daphnia magna	48 hours
	Acute LC50 1000000 µg/l Fresh water	Fish - Pimephales promelas	96 hours
	Chronic NOEC 1000000 µg/l Fresh water	Aquatic plants - Lemna minor	96 hours
	Chronic NOEC 160000 µg/l Fresh water	Daphnia - Daphnia magna	21 days

**Section 12. Ecological information**

<b>Forensic Toxicology Comprehensive Mix – Submix 9B</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>Forensic Toxicology Comprehensive Mix – Submix 9C</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>Forensic Toxicology Comprehensive Mix – Submix 9D</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

**Persistence and degradability**

<b>Product/ingredient name</b>	<b>Aquatic half-life</b>	<b>Photolysis</b>	<b>Biodegradability</b>
<b>Forensic Toxicology Comprehensive Mix - Submix 2</b> Acetonitrile	-	-	Readily
<b>Forensic Toxicology Comprehensive Mix – Submix 7</b> Acetonitrile	-	-	Readily
<b>Forensic Toxicology Comprehensive Mix – Submix 9A</b> Acetonitrile	-	-	Readily
<b>Forensic Toxicology Comprehensive Mix – Submix 9B</b> Acetonitrile	-	-	Readily
<b>Forensic Toxicology Comprehensive Mix – Submix 9C</b> Acetonitrile	-	-	Readily
<b>Forensic Toxicology Comprehensive Mix – Submix 9D</b> Acetonitrile	-	-	Readily

## Section 12. Ecological information

### Bioaccumulative potential

Product/ingredient name	LogP <sub>ow</sub>	BCF	Potential
<b>Forensic Toxicology Comprehensive Mix - Submix 2</b>			
Forensic Toxicology Comprehensive Mix - Submix 2	-0.34	-	low
Acetonitrile	-0.34	3	low
<b>Forensic Toxicology Comprehensive Mix – Submix 7</b>			
Forensic Toxicology Comprehensive Mix – Submix 7	-0.34	-	low
Acetonitrile	-0.34	3	low
furosemide	2.03	-	low
<b>Forensic Toxicology Comprehensive Mix – Submix 9A</b>			
Forensic Toxicology Comprehensive Mix – Submix 9A	-0.77	-	low
Acetonitrile	-0.34	3	low
<b>Forensic Toxicology Comprehensive Mix – Submix 9B</b>			
Forensic Toxicology Comprehensive Mix – Submix 9B	-0.77	-	low
Acetonitrile	-0.34	3	low
<b>Forensic Toxicology Comprehensive Mix – Submix 9C</b>			
Forensic Toxicology Comprehensive Mix – Submix 9C	-0.77	-	low
Acetonitrile	-0.34	3	low
<b>Forensic Toxicology Comprehensive Mix – Submix 9D</b>			
Forensic Toxicology Comprehensive Mix – Submix 9D	-0.77	-	low
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>	: 29/06/2018
<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>Forensic Toxicology Comprehensive Mix - Submix 2</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>Forensic Toxicology 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 Aquatic Chronic 3, H412	On basis of test data Calculation method Calculation method Calculation method Calculation method Calculation method
<b>Forensic Toxicology Comprehensive Mix – Submix 9A</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>Forensic Toxicology Comprehensive Mix – Submix 9B</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

## Section 16. Any other relevant information

<p><b>Forensic Toxicology Comprehensive Mix – Submix 9C</b>                  Flam. Liq. 2, H225                  Acute Tox. 4, H302                  Acute Tox. 4, H312                  Acute Tox. 4, H332                  Eye Irrit. 2A, H319</p>	<p>On basis of test data                  Calculation method                  Calculation method                  Calculation method                  Calculation method</p>
<p><b>Forensic Toxicology Comprehensive Mix – Submix 9D</b>                  Flam. Liq. 2, H225                  Acute Tox. 4, H302                  Acute Tox. 4, H312                  Acute Tox. 4, H332                  Eye Irrit. 2A, H319</p>	<p>On basis of test data                  Calculation method                  Calculation method                  Calculation method                  Calculation method</p>

**References** : Not available.

✔ Indicates information that has changed from previously issued version.

**Notice to reader**

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