

# SAFETY DATA SHEET

Atomic Emission Detector Sample Kit, Part Number 8500-5067

## Section 1. Identification

### 1.1 Product identifier

**Product name** : Atomic Emission Detector Sample Kit, Part Number 8500-5067  
**Part no. (chemical kit)** : 8500-5067  
**Part no.** : AED Test Mixture #1 8500-5068-1  
 AED Test Mixture #2 8500-5069-1  
**Validation date** : 4/30/2018

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

**Material uses** :  Reagents and Standards for Analytical Chemistry Laboratory Use  
 AED Test Mixture #1 3 x 0.5 ml  
 AED Test Mixture #2 3 x 0.5 ml

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

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

### 1.4 Emergency telephone number

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

## Section 2. Hazards identification

### 2.1 Classification of the substance or mixture

**OSHA/HCS status** :  AED Test Mixture #1 This material is considered hazardous by the OSHA Hazard Communication Standard (29 CFR 1910.1200).  
 AED Test Mixture #2 This material is considered hazardous by the OSHA Hazard Communication Standard (29 CFR 1910.1200).

### Classification of the substance or mixture

#### AED Test Mixture #1

H225 FLAMMABLE LIQUIDS - Category 2  
 H315 SKIN IRRITATION - Category 2  
 H319 EYE IRRITATION - Category 2A  
 H335 SPECIFIC TARGET ORGAN TOXICITY (SINGLE EXPOSURE) (Respiratory tract irritation) - Category 3  
 H336 SPECIFIC TARGET ORGAN TOXICITY (SINGLE EXPOSURE) (Narcotic effects) - Category 3  
 H304 ASPIRATION HAZARD - Category 1

#### AED Test Mixture #2

H225 FLAMMABLE LIQUIDS - Category 2  
 H315 SKIN IRRITATION - Category 2  
 H319 EYE IRRITATION - Category 2A  
 H335 SPECIFIC TARGET ORGAN TOXICITY (SINGLE EXPOSURE) (Respiratory tract irritation) - Category 3  
 H336 SPECIFIC TARGET ORGAN TOXICITY (SINGLE EXPOSURE) (Narcotic effects) - Category 3  
 H304 ASPIRATION HAZARD - Category 1

## Section 2. Hazards identification

### 2.2 GHS label elements

#### Hazard pictograms

: AED Test Mixture #1



AED Test Mixture #2



#### Signal word

: AED Test Mixture #1  
AED Test Mixture #2

Danger  
Danger

#### Hazard statements

: AED Test Mixture #1

H225 - Highly flammable liquid and vapor.  
H319 - Causes serious eye irritation.  
H315 - Causes skin irritation.  
H304 - May be fatal if swallowed and enters airways.  
H335 - May cause respiratory irritation.  
H336 - May cause drowsiness or dizziness.  
H225 - Highly flammable liquid and vapor.  
H319 - Causes serious eye irritation.  
H315 - Causes skin irritation.  
H304 - May be fatal if swallowed and enters airways.  
H335 - May cause respiratory irritation.  
H336 - May cause drowsiness or dizziness.

AED Test Mixture #2

### Precautionary statements

#### Prevention

: AED Test Mixture #1

P280 - Wear protective gloves. Wear eye or face protection.  
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 vapor.  
P264 - Wash hands thoroughly after handling.  
P280 - Wear protective gloves. Wear eye or face protection.  
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 vapor.  
P264 - Wash hands thoroughly after handling.

AED Test Mixture #2

## Section 2. Hazards identification

<b>Response</b>	:  AED Test Mixture #1	<p>P304 + P340 + P312 - IF INHALED: Remove person to fresh air and keep comfortable for breathing. Call a POISON CENTER or physician if you feel unwell.</p> <p>P301 + P310 + P331 - IF SWALLOWED: Immediately call a POISON CENTER or physician. Do NOT induce vomiting.</p> <p>P303 + P361 + P353 - IF ON SKIN (or hair): Take off immediately all contaminated clothing. Rinse skin with water or shower.</p> <p>P302 + P352 + P362+P364 - IF ON SKIN: Wash with plenty of soap and water. Take off contaminated clothing and wash it before reuse.</p> <p>P332 + P313 - If skin irritation occurs: Get medical attention.</p> <p>P305 + P351 + P338 - IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.</p> <p>P337 + P313 - If eye irritation persists: Get medical attention.</p>
	AED Test Mixture #2	<p>P304 + P340 + P312 - IF INHALED: Remove person to fresh air and keep comfortable for breathing. Call a POISON CENTER or physician if you feel unwell.</p> <p>P301 + P310 + P331 - IF SWALLOWED: Immediately call a POISON CENTER or physician. Do NOT induce vomiting.</p> <p>P303 + P361 + P353 - IF ON SKIN (or hair): Take off immediately all contaminated clothing. Rinse skin with water or shower.</p> <p>P302 + P352 + P362+P364 - IF ON SKIN: Wash with plenty of soap and water. Take off contaminated clothing and wash it before reuse.</p> <p>P332 + P313 - If skin irritation occurs: Get medical attention.</p> <p>P305 + P351 + P338 - IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.</p> <p>P337 + P313 - If eye irritation persists: Get medical attention.</p>
<b>Storage</b>	:  AED Test Mixture #1	<p>P405 - Store locked up.</p> <p>P403 - Store in a well-ventilated place.</p> <p>P235 - Keep cool.</p>
	AED Test Mixture #2	<p>P405 - Store locked up.</p> <p>P403 - Store in a well-ventilated place.</p> <p>P235 - Keep cool.</p>
<b>Disposal</b>	:  AED Test Mixture #1	<p>P501 - Dispose of contents and container in accordance with all local, regional, national and international regulations.</p>
	AED Test Mixture #2	<p>P501 - Dispose of contents and container in accordance with all local, regional, national and international regulations.</p>
<b>Supplemental label elements</b>	:  AED Test Mixture #1 AED Test Mixture #2	<p>None known.</p> <p>None known.</p>

### 2.3 Other hazards

## Section 2. Hazards identification

**Hazards not otherwise classified** : AED Test Mixture #1 None known.  
AED Test Mixture #2 None known.

## Section 3. Composition/information on ingredients

**Substance/mixture** : AED Test Mixture #1 Mixture  
AED Test Mixture #2 Mixture

Ingredient name	%	CAS number
<b>AED Test Mixture #1</b>		
2,2,4-trimethylpentane	≥90	540-84-1
dodecane	≤5	112-40-3
Octane	≤5	111-65-9
<b>AED Test Mixture #2</b>		
2,2,4-trimethylpentane	≥90	540-84-1
dodecane	≤5	112-40-3
Octane	≤5	111-65-9

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

**There are no additional ingredients present which, within the current knowledge of the supplier and in the concentrations applicable, are classified as hazardous to health or the environment and hence require reporting in this section.**

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

## Section 4. First aid measures

### 4.1 Description of necessary first aid measures

**Eye contact** : AED Test Mixture #1

Immediately flush eyes with plenty of water, occasionally lifting the upper and lower eyelids. Check for and remove any contact lenses. Continue to rinse for at least 10 minutes. Get medical attention.

AED Test Mixture #2

Immediately flush eyes with plenty of water, occasionally lifting the upper and lower eyelids. Check for and remove any contact lenses. Continue to rinse for at least 10 minutes. Get medical attention.

**Inhalation** : AED Test Mixture #1

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

AED Test Mixture #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-

## Section 4. First aid measures

		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 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.
<b>Skin contact</b>	: AED Test Mixture #1	Flush contaminated skin with plenty of water. Remove contaminated clothing and shoes. Continue to rinse for at least 10 minutes. Get medical attention. Wash clothing before reuse. Clean shoes thoroughly before reuse.
	AED Test Mixture #2	Flush contaminated skin with plenty of water. Remove contaminated clothing and shoes. Continue to rinse for at least 10 minutes. Get medical attention. Wash clothing before reuse. Clean shoes thoroughly before reuse.
<b>Ingestion</b>	: AED Test Mixture #1	Get medical attention immediately. Call a poison center or physician. 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. Aspiration hazard if swallowed. Can enter lungs and cause damage. Do not induce vomiting. If vomiting occurs, the head should be kept low so that vomit does not enter the lungs. 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.
	AED Test Mixture #2	Get medical attention immediately. Call a poison center or physician. 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. Aspiration hazard if swallowed. Can enter lungs and cause damage. Do not induce vomiting. If vomiting occurs, the head should be kept low so that vomit does not enter the lungs. Never give anything by mouth to an unconscious person. If unconscious, place in recovery position and get medical attention immediately. Maintain an open airway. Loosen tight clothing such as a collar, tie, belt or waistband.

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

#### Potential acute health effects

## Section 4. First aid measures

<b>Eye contact</b>	: AED Test Mixture #1 AED Test Mixture #2	Causes serious eye irritation. Causes serious eye irritation.
<b>Inhalation</b>	: AED Test Mixture #1  AED Test Mixture #2	Can cause central nervous system (CNS) depression. May cause drowsiness or dizziness. May cause respiratory irritation. Can cause central nervous system (CNS) depression. May cause drowsiness or dizziness. May cause respiratory irritation.
<b>Skin contact</b>	: AED Test Mixture #1 AED Test Mixture #2	Causes skin irritation. Causes skin irritation.
<b>Ingestion</b>	: AED Test Mixture #1  AED Test Mixture #2	Can cause central nervous system (CNS) depression. May be fatal if swallowed and enters airways. Can cause central nervous system (CNS) depression. May be fatal if swallowed and enters airways.

### Over-exposure signs/symptoms

<b>Eye contact</b>	: AED Test Mixture #1  AED Test Mixture #2	Adverse symptoms may include the following: pain or irritation watering redness Adverse symptoms may include the following: pain or irritation watering redness
<b>Inhalation</b>	: AED Test Mixture #1  AED Test Mixture #2	Adverse symptoms may include the following: respiratory tract irritation coughing nausea or vomiting headache drowsiness/fatigue dizziness/vertigo unconsciousness Adverse symptoms may include the following: respiratory tract irritation coughing nausea or vomiting headache drowsiness/fatigue dizziness/vertigo unconsciousness
<b>Skin contact</b>	: AED Test Mixture #1  AED Test Mixture #2	Adverse symptoms may include the following: irritation redness Adverse symptoms may include the following: irritation redness
<b>Ingestion</b>	: AED Test Mixture #1  AED Test Mixture #2	Adverse symptoms may include the following: nausea or vomiting Adverse symptoms may include the following: nausea or vomiting

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

## Section 4. First aid measures

<b>Notes to physician</b>	: AED Test Mixture #1  AED Test Mixture #2	Treat symptomatically. Contact poison treatment specialist immediately if large quantities have been ingested or inhaled. Treat symptomatically. Contact poison treatment specialist immediately if large quantities have been ingested or inhaled.
<b>Specific treatments</b>	: AED Test Mixture #1 AED Test Mixture #2	No specific treatment. No specific treatment.
<b>Protection of first-aiders</b>	: AED Test Mixture #1   AED Test Mixture #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. 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.

See toxicological information (Section 11)

## Section 5. Fire-fighting measures

### 5.1 Extinguishing media

<b>Suitable extinguishing media</b>	: AED Test Mixture #1 AED Test Mixture #2	Use dry chemical, CO <sub>2</sub> , water spray (fog) or foam. Use dry chemical, CO <sub>2</sub> , water spray (fog) or foam.
<b>Unsuitable extinguishing media</b>	: AED Test Mixture #1 AED Test Mixture #2	Do not use water jet. Do not use water jet.

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

<b>Specific hazards arising from the chemical</b>	: <del>A</del> ED Test Mixture #1   AED Test Mixture #2	Highly flammable liquid and vapor. Runoff to sewer may create fire or explosion hazard. In a fire or if heated, a pressure increase will occur and the container may burst, with the risk of a subsequent explosion. The vapor/gas is heavier than air and will spread along the ground. Vapors may accumulate in low or confined areas or travel a considerable distance to a source of ignition and flash back. Highly flammable liquid and vapor. Runoff to sewer may create fire or explosion hazard. In a fire or if heated, a pressure increase will occur and the container may burst, with the risk of a subsequent explosion. The vapor/gas is heavier than air and will spread along the ground. Vapors may accumulate in low or confined areas or travel a considerable distance to a source of ignition and flash back.
---	--	--



## Section 5. Fire-fighting measures

<b>Hazardous thermal decomposition products</b>	: AED Test Mixture #1  AED Test Mixture #2	Decomposition products may include the following materials: carbon dioxide carbon monoxide Decomposition products may include the following materials: carbon dioxide carbon monoxide
 <b><u>5.3 Advice for firefighters</u></b>		
<b>Special protective actions for fire-fighters</b>	: AED Test Mixture #1  AED Test Mixture #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. 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>	: AED Test Mixture #1  AED Test Mixture #2	Fire-fighters should wear appropriate protective equipment and self-contained breathing apparatus (SCBA) with a full face-piece operated in positive pressure mode. Fire-fighters should wear appropriate protective equipment and self-contained breathing apparatus (SCBA) with a full face-piece operated in positive pressure mode.

## Section 6. Accidental release measures

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

<b>For non-emergency personnel</b>	: AED Test Mixture #1  AED Test Mixture #2	No action shall be taken involving any personal risk or without suitable training. Evacuate surrounding areas. Keep unnecessary and unprotected personnel from entering. Do not touch or walk through spilled material. Shut off all ignition sources. No flares, smoking or flames in hazard area. Avoid breathing vapor or mist. Provide adequate ventilation. Wear appropriate respirator when ventilation is inadequate. Put on appropriate personal protective equipment. No action shall be taken involving any personal risk or without suitable training. Evacuate surrounding areas. Keep unnecessary and unprotected personnel from entering. Do not touch or walk through spilled material. Shut off all ignition sources. No flares, smoking or flames in hazard area. Avoid breathing vapor or mist. Provide adequate ventilation. Wear appropriate respirator when ventilation is inadequate. Put on appropriate personal protective equipment.
------------------------------------	--	--



## Section 6. Accidental release measures

<p><b>For emergency responders</b> : AED Test Mixture #1</p> <p style="padding-left: 150px;">AED Test Mixture #2</p>	<p>If specialized clothing is required to deal with the spillage, take note of any information in Section 8 on suitable and unsuitable materials. See also the information in "For non-emergency personnel". If specialized clothing is required to deal with the spillage, take note of any information in Section 8 on suitable and unsuitable materials. See also the information in "For non-emergency personnel".</p>
<p><b>6.2 Environmental precautions</b> : AED Test Mixture #1</p> <p style="padding-left: 150px;">AED Test Mixture #2</p>	<p>Avoid dispersal of spilled material and runoff and contact with soil, waterways, drains and sewers. Inform the relevant authorities if the product has caused environmental pollution (sewers, waterways, soil or air).</p> <p>Avoid dispersal of spilled material and runoff and contact with soil, waterways, drains and sewers. Inform the relevant authorities if the product has caused environmental pollution (sewers, waterways, soil or air).</p>
<p><b>6.3 Methods and materials for containment and cleaning up</b></p> <p><b>Methods for cleaning up</b> : AED Test Mixture #1</p> <p style="padding-left: 150px;">AED Test Mixture #2</p>	<p>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.</p> <p>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.</p>

## Section 7. Handling and storage

### 7.1 Precautions for safe handling

<p><b>Protective measures</b> : AED Test Mixture #1</p> <p style="padding-left: 150px;">AED Test Mixture #2</p>	<p>Put on appropriate personal protective equipment (see Section 8). Do not swallow. Avoid contact with eyes, skin and clothing. Avoid breathing vapor 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.</p> <p>Put on appropriate personal protective equipment</p>
---	--

## Section 7. Handling and storage

(see Section 8). Do not swallow. Avoid contact with eyes, skin and clothing. Avoid breathing vapor 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.

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. 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.

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

### Advice on general occupational hygiene

: AED Test Mixture #1

AED Test Mixture #2

### 7.2 Conditions for safe storage, including any incompatibilities

: AED Test Mixture #1

AED Test Mixture #2

## Section 7. Handling and storage

incompatible materials before handling or use.

### 7.3 Specific end use(s)

<b>Recommendations</b>	: AED Test Mixture #1 AED Test Mixture #2	Industrial applications, Professional applications. Industrial applications, Professional applications.
<b>Industrial sector specific solutions</b>	: AED Test Mixture #1 AED Test Mixture #2	Not applicable. Not applicable.

## Section 8. Exposure controls/personal protection

### 8.1 Control parameters

#### Occupational exposure limits

Ingredient name	Exposure limits
<b>AED Test Mixture #1</b> 2,2,4-trimethylpentane  dodecane Octane	<b>ACGIH TLV (United States, 3/2017).</b> TWA: 300 ppm 8 hours. None. <b>OSHA PEL 1989 (United States, 3/1989).</b> TWA: 300 ppm 8 hours. TWA: 1450 mg/m <sup>3</sup> 8 hours. STEL: 375 ppm 15 minutes. STEL: 1800 mg/m <sup>3</sup> 15 minutes. <b>NIOSH REL (United States, 10/2016).</b> TWA: 75 ppm 10 hours. TWA: 350 mg/m <sup>3</sup> 10 hours. CEIL: 385 ppm 15 minutes. CEIL: 1800 mg/m <sup>3</sup> 15 minutes. <b>ACGIH TLV (United States, 3/2017).</b> TWA: 300 ppm 8 hours. <b>OSHA PEL (United States, 6/2016).</b> TWA: 500 ppm 8 hours. TWA: 2350 mg/m <sup>3</sup> 8 hours.
<b>AED Test Mixture #2</b> 2,2,4-trimethylpentane  dodecane Octane	<b>ACGIH TLV (United States, 3/2017).</b> TWA: 300 ppm 8 hours. None. <b>OSHA PEL 1989 (United States, 3/1989).</b> TWA: 300 ppm 8 hours. TWA: 1450 mg/m <sup>3</sup> 8 hours. STEL: 375 ppm 15 minutes. STEL: 1800 mg/m <sup>3</sup> 15 minutes. <b>NIOSH REL (United States, 10/2016).</b> TWA: 75 ppm 10 hours. TWA: 350 mg/m <sup>3</sup> 10 hours. CEIL: 385 ppm 15 minutes. CEIL: 1800 mg/m <sup>3</sup> 15 minutes. <b>ACGIH TLV (United States, 3/2017).</b> TWA: 300 ppm 8 hours. <b>OSHA PEL (United States, 6/2016).</b> TWA: 500 ppm 8 hours. TWA: 2350 mg/m <sup>3</sup> 8 hours.

### 8.2 Exposure controls

## Section 8. Exposure controls/personal protection

- Appropriate engineering controls** : Use only with adequate ventilation. Use process enclosures, local exhaust ventilation or other engineering controls to keep worker exposure to airborne contaminants below any recommended or statutory limits.
- Environmental exposure controls** : Emissions from ventilation or work process equipment should be checked to ensure they comply with the requirements of environmental protection legislation. In some cases, fume scrubbers, filters or engineering modifications to the process equipment will be necessary to reduce emissions to acceptable levels.
- Individual protection measures**
- Hygiene measures** : Wash hands, forearms and face thoroughly after handling chemical products, before eating, smoking and using the lavatory and at the end of the working period. Appropriate techniques should be used to remove potentially contaminated clothing. Wash contaminated clothing before reusing. Ensure that eyewash stations and safety showers are close to the workstation location.
- Eye/face protection** : Safety eyewear complying with an approved standard should be used when a risk assessment indicates this is necessary to avoid exposure to liquid splashes, mists, gases or dusts. If contact is possible, the following protection should be worn, unless the assessment indicates a higher degree of protection: chemical splash goggles.
- Skin protection**
- 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

### 9.1 Information on basic physical and chemical properties

#### Appearance

<b>Physical state</b>	: AED Test Mixture #1 AED Test Mixture #2	Liquid. Liquid.
<b>Color</b>	: AED Test Mixture #1 AED Test Mixture #2	Clear. Colorless. Clear. Colorless.
<b>Odor</b>	: AED Test Mixture #1 AED Test Mixture #2	Gasoline-like Gasoline-like
<b>Odor threshold</b>	: AED Test Mixture #1 AED Test Mixture #2	Not available. Not available.
<b>pH</b>	: AED Test Mixture #1 AED Test Mixture #2	Not available. Not available.
<b>Melting point</b>	: AED Test Mixture #1 AED Test Mixture #2	-107°C (-160.6°F) -107°C (-160.6°F)

## Section 9. Physical and chemical properties

<b>Boiling point</b>	: AED Test Mixture #1	99.2°C (210.6°F)
	: AED Test Mixture #2	99.2°C (210.6°F)
<b>Flash point</b>	: AED Test Mixture #1	Open cup: 4.5°C (40.1°F)
	: AED Test Mixture #2	Open cup: 4.5°C (40.1°F)
<b>Evaporation rate</b>	: AED Test Mixture #1	Not available.
	: AED Test Mixture #2	Not available.
<b>Flammability (solid, gas)</b>	: AED Test Mixture #1	Not applicable.
	: AED Test Mixture #2	Not applicable.
<b>Lower and upper explosive (flammable) limits</b>	: AED Test Mixture #1	Lower: 1.1%
		Upper: 6%
	: AED Test Mixture #2	Lower: 1.1%
		Upper: 6%
<b>Vapor pressure</b>	: AED Test Mixture #1	5.5 kPa (41 mm Hg) [room temperature]
	: AED Test Mixture #2	5.5 kPa (41 mm Hg) [room temperature]
<b>Vapor density</b>	: AED Test Mixture #1	3.93 [Air = 1]
	: AED Test Mixture #2	3.93 [Air = 1]
<b>Relative density</b>	: AED Test Mixture #1	Not available.
	: AED Test Mixture #2	Not available.
<b>Solubility</b>	: AED Test Mixture #1	Insoluble in the following materials: cold water and hot water.
	: AED Test Mixture #2	Insoluble in the following materials: cold water and hot water.
<b>Partition coefficient: n-octanol/water</b>	: AED Test Mixture #1	Not available.
	: AED Test Mixture #2	Not available.
<b>Auto-ignition temperature</b>	: AED Test Mixture #1	Not available.
	: AED Test Mixture #2	Not available.
<b>Decomposition temperature</b>	: AED Test Mixture #1	Not available.
	: AED Test Mixture #2	Not available.
<b>Viscosity</b>	: AED Test Mixture #1	Not available.
	: AED Test Mixture #2	Not available.

## Section 10. Stability and reactivity

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

## Section 10. Stability and reactivity

of ignition. Do not allow vapor to accumulate in low or confined areas.

**10.5 Incompatible materials** : AED Test Mixture #1

Reactive or incompatible with the following materials:

AED Test Mixture #2

oxidizing materials

Reactive or incompatible with the following materials:

oxidizing materials

**10.6 Hazardous decomposition products** : AED Test Mixture #1

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

AED Test Mixture #2

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

## Section 11. Toxicological information

### 11.1 Information on toxicological effects

#### Acute toxicity

Product/ingredient name	Result	Species	Dose	Exposure
<b>AED Test Mixture #1</b> 2,2,4-trimethylpentane	LC50 Inhalation Vapor	Rat - Male, Female	>33.52 mg/l	4 hours
	LD50 Oral	Rat - Male, Female	>5000 mg/kg	-
dodecane	LC50 Inhalation Dusts and mists	Rat - Male, Female	5.6 mg/l	4 hours
	LD50 Dermal	Rabbit - Male, Female	>5000 mg/kg	-
	LD50 Oral	Rat - Male, Female	>5000 mg/kg	-
Octane	LC50 Inhalation Vapor	Rat	118 g/m <sup>3</sup>	4 hours
	LC50 Inhalation Vapor	Rat	25260 ppm	4 hours
	LD50 Oral	Rat	>5000 mg/kg	-
<b>AED Test Mixture #2</b> 2,2,4-trimethylpentane	LC50 Inhalation Vapor	Rat - Male, Female	>33.52 mg/l	4 hours
	LD50 Oral	Rat - Male, Female	>5000 mg/kg	-
dodecane	LC50 Inhalation Dusts and mists	Rat - Male, Female	5.6 mg/l	4 hours
	LD50 Dermal	Rabbit - Male, Female	>5000 mg/kg	-
	LD50 Oral	Rat - Male, Female	>5000 mg/kg	-
Octane	LC50 Inhalation Vapor	Rat	118 g/m <sup>3</sup>	4 hours
	LC50 Inhalation Vapor	Rat	25260 ppm	4 hours
	LD50 Oral	Rat	>5000 mg/kg	-

#### Irritation/Corrosion

## Section 11. Toxicological information

Product/ingredient name	Result	Species	Score	Exposure	Observation
<b>AED Test Mixture #1</b> dodecane	Skin - Moderate irritant	Rat	-	96 hours 300 microliters 24 hours 0.05 Milliliters	-
	Skin - Moderate irritant	Rabbit	-		-
<b>AED Test Mixture #2</b> dodecane	Skin - Moderate irritant	Rat	-	96 hours 300 microliters 24 hours 0.05 Milliliters	-
	Skin - Moderate irritant	Rabbit	-		-

### Sensitization

Not available.

### Mutagenicity

**Conclusion/Summary** : Not available.

### Carcinogenicity

**Conclusion/Summary** : Not available.

### Reproductive toxicity

**Conclusion/Summary** : Not available.

### Teratogenicity

**Conclusion/Summary** : Not available.

### Specific target organ toxicity (single exposure)

Name	Category	Route of exposure	Target organs
<b>AED Test Mixture #1</b> 2,2,4-trimethylpentane	Category 3	Not applicable.	Respiratory tract irritation and Narcotic effects Respiratory tract irritation Respiratory tract irritation and Narcotic effects
dodecane	Category 3	Not applicable.	
Octane	Category 3	Not applicable.	
<b>AED Test Mixture #2</b> 2,2,4-trimethylpentane	Category 3	Not applicable.	Respiratory tract irritation and Narcotic effects Respiratory tract irritation Respiratory tract irritation and Narcotic effects
dodecane	Category 3	Not applicable.	
Octane	Category 3	Not applicable.	

### Specific target organ toxicity (repeated exposure)

Not available.

### Aspiration hazard



## Section 11. Toxicological information

Name	Result
<b>AED Test Mixture #1</b> AED Test Mixture #1 2,2,4-trimethylpentane dodecane Octane	ASPIRATION HAZARD - Category 1 ASPIRATION HAZARD - Category 1 ASPIRATION HAZARD - Category 1 ASPIRATION HAZARD - Category 1
<b>AED Test Mixture #2</b> AED Test Mixture #2 2,2,4-trimethylpentane dodecane Octane	ASPIRATION HAZARD - Category 1 ASPIRATION HAZARD - Category 1 ASPIRATION HAZARD - Category 1 ASPIRATION HAZARD - Category 1

**Information on the likely routes of exposure** : AED Test Mixture #1 Routes of entry anticipated: Oral, Dermal, Inhalation.

AED Test Mixture #2 Routes of entry anticipated: Oral, Dermal, Inhalation.

### Potential acute health effects

**Eye contact** : AED Test Mixture #1 Causes serious eye irritation.

AED Test Mixture #2 Causes serious eye irritation.

**Inhalation** : AED Test Mixture #1 Can cause central nervous system (CNS) depression. May cause drowsiness or dizziness. May cause respiratory irritation.

AED Test Mixture #2 Can cause central nervous system (CNS) depression. May cause drowsiness or dizziness. May cause respiratory irritation.

**Skin contact** : AED Test Mixture #1 Causes skin irritation.

AED Test Mixture #2 Causes skin irritation.

**Ingestion** : AED Test Mixture #1 Can cause central nervous system (CNS) depression. May be fatal if swallowed and enters airways.

AED Test Mixture #2 Can cause central nervous system (CNS) depression. May be fatal if swallowed and enters airways.

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

**Eye contact** : AED Test Mixture #1 Adverse symptoms may include the following:  
 pain or irritation  
 watering  
 redness

AED Test Mixture #2 Adverse symptoms may include the following:  
 pain or irritation  
 watering  
 redness

**Inhalation** : AED Test Mixture #1 Adverse symptoms may include the following:  
 respiratory tract irritation  
 coughing  
 nausea or vomiting  
 headache  
 drowsiness/fatigue  
 dizziness/vertigo  
 unconsciousness

AED Test Mixture #2 Adverse symptoms may include the following:  
 respiratory tract irritation  
 coughing

## Section 11. Toxicological information

nausea or vomiting  
headache  
drowsiness/fatigue  
dizziness/vertigo  
unconsciousness

<b>Skin contact</b>	: AED Test Mixture #1	Adverse symptoms may include the following: irritation redness
	AED Test Mixture #2	Adverse symptoms may include the following: irritation redness
<b>Ingestion</b>	: AED Test Mixture #1	Adverse symptoms may include the following: nausea or vomiting
	AED Test Mixture #2	Adverse symptoms may include the following: nausea or vomiting

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

#### Short term exposure

**Potential immediate effects** : Not available.

**Potential delayed effects** : Not available.

#### Long term exposure

**Potential immediate effects** : Not available.

**Potential delayed effects** : Not available.

#### Potential chronic health effects

**General** : AED Test Mixture #1  
AED Test Mixture #2

No known significant effects or critical hazards.  
No known significant effects or critical hazards.

**Carcinogenicity** : AED Test Mixture #1  
AED Test Mixture #2

No known significant effects or critical hazards.  
No known significant effects or critical hazards.

**Mutagenicity** : AED Test Mixture #1  
AED Test Mixture #2

No known significant effects or critical hazards.  
No known significant effects or critical hazards.

**Teratogenicity** : AED Test Mixture #1  
AED Test Mixture #2

No known significant effects or critical hazards.  
No known significant effects or critical hazards.

**Developmental effects** : AED Test Mixture #1  
AED Test Mixture #2

No known significant effects or critical hazards.  
No known significant effects or critical hazards.

**Fertility effects** : AED Test Mixture #1  
AED Test Mixture #2

No known significant effects or critical hazards.  
No known significant effects or critical hazards.

### Numerical measures of toxicity

#### Acute toxicity estimates

Not available.

<b>Other information</b>	: AED Test Mixture #1	Adverse symptoms may include the following: Repeated exposure may cause skin dryness or cracking.
	AED Test Mixture #2	Adverse symptoms may include the following: Repeated exposure may cause skin dryness or cracking.

## Section 12. Ecological information

### 12.1 Toxicity

Product/ingredient name	Result	Species	Exposure
<b>AED Test Mixture #1</b> 2,2,4-trimethylpentane	Acute LC50 0.11 mg/l Fresh water	Fish	96 hours
<b>AED Test Mixture #2</b> 2,2,4-trimethylpentane	Acute LC50 0.11 mg/l Fresh water	Fish	96 hours

### 12.2 Persistence and degradability

Product/ingredient name	Test	Result	Dose	Inoculum
<b>AED Test Mixture #1</b> dodecane	OECD 301F Ready Biodegradability - Manometric Respirometry Test	76.6 % - Readily - 28 days	-	-
<b>AED Test Mixture #2</b> dodecane	OECD 301F Ready Biodegradability - Manometric Respirometry Test	76.6 % - Readily - 28 days	-	-

Product/ingredient name	Aquatic half-life	Photolysis	Biodegradability
<b>AED Test Mixture #1</b> dodecane Octane	- -	- -	Readily Readily
<b>AED Test Mixture #2</b> dodecane Octane	- -	- -	Readily Readily

### 12.3 Bioaccumulative potential

Product/ingredient name	LogP <sub>ow</sub>	BCF	Potential
<b>AED Test Mixture #1</b> 2,2,4-trimethylpentane dodecane Octane	4.08 6.98 5.18	231 239.88 198.7	low low low
<b>AED Test Mixture #2</b> 2,2,4-trimethylpentane dodecane Octane	4.08 6.98 5.18	231 239.88 198.7	low low low

### 12.4 Mobility in soil

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

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

## Section 13. Disposal considerations

### 13.1 Waste treatment methods

**Disposal methods** : The generation of waste should be avoided or minimized wherever possible. Disposal of this product, solutions and any by-products should at all times comply with the requirements of environmental protection and waste disposal legislation and any regional local authority requirements. Dispose of surplus and non-recyclable products via a licensed waste disposal contractor. Waste should not be disposed of untreated to the sewer unless fully compliant with the requirements of all authorities with jurisdiction. Waste packaging should be recycled. Incineration or landfill should only be considered when recycling is not feasible. This material and its container must be disposed of in a safe way. Care should be taken when handling emptied containers that have not been cleaned or rinsed out. Empty containers or liners may retain some product residues. Avoid dispersal of spilled material and runoff and contact with soil, waterways, drains and sewers.

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

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

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

## Section 14. Transport information

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

### Additional information

**Remarks:** De minimis quantities

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

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

## Section 15. Regulatory information

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

**U.S. Federal regulations** : **TSCA 8(a) PAIR:** Tetraethyl silicate; triethyl phosphate  
**TSCA 8(a) CDR Exempt/Partial exemption:** Not determined  
**TSCA 8(c) calls for record of SAR:** triethyl phosphate  
**Clean Water Act (CWA) 307:** 1,2,4-Trichlorobenzene; nitrobenzene  
**Clean Water Act (CWA) 311:** nitrobenzene

**Clean Air Act Section 112 (b) Hazardous Air Pollutants (HAPs)** : Listed

**Clean Air Act Section 602 Class I Substances** : Not listed

## Section 15. Regulatory information

**Clean Air Act Section 602 Class II Substances** : Not listed

**DEA List I Chemicals (Precursor Chemicals)** : Not listed

**DEA List II Chemicals (Essential Chemicals)** : Not listed

### SARA 302/304

#### Composition/information on ingredients

Name	%	EHS	SARA 302 TPQ		SARA 304 RQ	
			(lbs)	(gallons)	(lbs)	(gallons)
<b>AED Test Mixture #1</b> nitrobenzene	<0.1	Yes.	10000	999.5	1000	99.9
<b>AED Test Mixture #2</b> nitrobenzene	<0.1	Yes.	10000	999.5	1000	99.9

**SARA 304 RQ** : 1449275.4 lbs / 657971 kg

### SARA 311/312

**Classification** : **AED Test Mixture #1**

FLAMMABLE LIQUIDS - Category 2  
SKIN IRRITATION - Category 2  
EYE IRRITATION - Category 2A  
SPECIFIC TARGET ORGAN TOXICITY (SINGLE EXPOSURE) (Respiratory tract irritation) - Category 3  
SPECIFIC TARGET ORGAN TOXICITY (SINGLE EXPOSURE) (Narcotic effects) - Category 3  
ASPIRATION HAZARD - Category 1

**AED Test Mixture #2**

FLAMMABLE LIQUIDS - Category 2  
SKIN IRRITATION - Category 2  
EYE IRRITATION - Category 2A  
SPECIFIC TARGET ORGAN TOXICITY (SINGLE EXPOSURE) (Respiratory tract irritation) - Category 3  
SPECIFIC TARGET ORGAN TOXICITY (SINGLE EXPOSURE) (Narcotic effects) - Category 3  
ASPIRATION HAZARD - Category 1

#### Composition/information on ingredients


Name	%	Classification
<b>AED Test Mixture #1</b> 2,2,4-trimethylpentane	≥90	FLAMMABLE LIQUIDS - Category 2 SKIN IRRITATION - Category 2 EYE IRRITATION - Category 2A SPECIFIC TARGET ORGAN TOXICITY (SINGLE EXPOSURE) (Respiratory tract irritation) - Category 3 SPECIFIC TARGET ORGAN TOXICITY (SINGLE EXPOSURE) (Narcotic effects) - Category 3 ASPIRATION HAZARD - Category 1
dodecane	≤5	HNOC - Defatting irritant FLAMMABLE LIQUIDS - Category 4 SKIN IRRITATION - Category 2 EYE IRRITATION - Category 2A SPECIFIC TARGET ORGAN TOXICITY (SINGLE EXPOSURE) (Respiratory tract irritation) - Category 3
Octane	≤5	ASPIRATION HAZARD - Category 1 FLAMMABLE LIQUIDS - Category 2 SKIN IRRITATION - Category 2 EYE IRRITATION - Category 2A SPECIFIC TARGET ORGAN TOXICITY (SINGLE EXPOSURE) (Respiratory tract irritation) - Category 3 SPECIFIC TARGET ORGAN TOXICITY (SINGLE EXPOSURE) (Narcotic effects) - Category 3 ASPIRATION HAZARD - Category 1

## Section 15. Regulatory information

<b>AED Test Mixture #2</b> 2,2,4-trimethylpentane	≥90	FLAMMABLE LIQUIDS - Category 2 SKIN IRRITATION - Category 2 EYE IRRITATION - Category 2A SPECIFIC TARGET ORGAN TOXICITY (SINGLE EXPOSURE) (Respiratory tract irritation) - Category 3 SPECIFIC TARGET ORGAN TOXICITY (SINGLE EXPOSURE) (Narcotic effects) - Category 3 ASPIRATION HAZARD - Category 1
dodecane	≤5	HNOC - Defatting irritant FLAMMABLE LIQUIDS - Category 4 SKIN IRRITATION - Category 2 EYE IRRITATION - Category 2A SPECIFIC TARGET ORGAN TOXICITY (SINGLE EXPOSURE) (Respiratory tract irritation) - Category 3
Octane	≤5	ASPIRATION HAZARD - Category 1 FLAMMABLE LIQUIDS - Category 2 SKIN IRRITATION - Category 2 EYE IRRITATION - Category 2A SPECIFIC TARGET ORGAN TOXICITY (SINGLE EXPOSURE) (Respiratory tract irritation) - Category 3 SPECIFIC TARGET ORGAN TOXICITY (SINGLE EXPOSURE) (Narcotic effects) - Category 3 ASPIRATION HAZARD - Category 1

### State regulations

- Massachusetts** : The following components are listed: ISOOCTANE; OCTANE
- New York** : The following components are listed: 2,2,4-Trimethylpentane
- New Jersey** : The following components are listed: ISOOCTANE; 2,2,4-TRIMETHYLPENTANE; OCTANE
- Pennsylvania** : The following components are listed: PENTANE, 2,2,4-TRIMETHYL-; OCTANE
- California Prop. 65**

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

Ingredient name	No significant risk level	Maximum acceptable dosage level
<b>AED Test Mixture #1</b> Nitrobenzene	-	-
<b>AED Test Mixture #2</b> Nitrobenzene	-	-

### 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.

## Section 15. Regulatory information

### Inventory list

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

## Section 16. Other information

### History

<b>Date of issue</b>	: 04/30/2018
<b>Date of previous issue</b>	: 09/14/2016
<b>Version</b>	: 6

### Procedure used to derive the classification

Classification	Justification
<b>AED Test Mixture #1</b> FLAMMABLE LIQUIDS - Category 2 SKIN IRRITATION - Category 2 EYE IRRITATION - Category 2A SPECIFIC TARGET ORGAN TOXICITY (SINGLE EXPOSURE) (Respiratory tract irritation) - Category 3 SPECIFIC TARGET ORGAN TOXICITY (SINGLE EXPOSURE) (Narcotic effects) - Category 3 ASPIRATION HAZARD - Category 1	On basis of test data Calculation method Calculation method Calculation method Calculation method Expert judgment
<b>AED Test Mixture #2</b> FLAMMABLE LIQUIDS - Category 2 SKIN IRRITATION - Category 2 EYE IRRITATION - Category 2A SPECIFIC TARGET ORGAN TOXICITY (SINGLE EXPOSURE) (Respiratory tract irritation) - Category 3 SPECIFIC TARGET ORGAN TOXICITY (SINGLE EXPOSURE) (Narcotic effects) - Category 3 ASPIRATION HAZARD - Category 1	On basis of test data Calculation method Calculation method Calculation method Calculation method Expert judgment

Indicates information that has changed from previously issued version.

### Notice to reader

**Disclaimer:** The information contained in this document is based on Agilent's state of knowledge at the time of preparation. No warranty as to its accurateness, completeness or suitability for a particular purpose is expressed or implied.