

# SAFETY DATA SHEET



Ethanol Calibration Kit, Part Number G3440-85036

## Section 1. Identification

<b>Product identifier</b>	: Ethanol Calibration Kit, Part Number G3440-85036
<b>Part no. (chemical kit)</b>	: G3440-85036
<b>Part no.</b>	: Ethanol Calibration Standard # 1 (500 ug/ mL) G3440-85036-1
	: Ethanol Calibration Standard # 2 (800 ug/ mL) G3440-85036-2
	: Ethanol Calibration Standard # 3 (1000 ug/mL) G3440-85036-3
	: Ethanol Calibration Standard # 4 (2000 ug/mL) G3440-85036-4
	: Ethanol Calibration Standard # 5 (3000 ug/mL) G3440-85036-5

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

<b>Material uses</b>	: Reagents and Standards for Analytical Chemistry Laboratory Use 1.2 ml/ampoule
	: Ethanol Calibration Standard # 1 (500 ug/ 1.2 ml mL)
	: Ethanol Calibration Standard # 2 (800 ug/ 1.2 ml mL)
	: Ethanol Calibration Standard # 3 (1000 ug/mL 1.2 ml)
	: Ethanol Calibration Standard # 4 (2000 ug/mL 1.2 ml)
	: Ethanol Calibration Standard # 5 (3000 ug/mL 1.2 ml)

<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

Not classified.

### GHS label elements

<b>Signal word</b>	: Ethanol Calibration Standard # 1 (500 ug/mL) No signal word.
	: Ethanol Calibration Standard # 2 (800 ug/mL) No signal word.
	: Ethanol Calibration Standard # 3 (1000 ug/mL) No signal word.
	: Ethanol Calibration Standard # 4 (2000 ug/mL) No signal word.
	: Ethanol Calibration Standard # 5 (3000 ug/mL) No signal word.

## Section 2. Hazard(s) identification

<b>Hazard statements</b>	: Ethanol Calibration Standard # 1 (500 ug/mL)	No known significant effects or critical hazards.
	Ethanol Calibration Standard # 2 (800 ug/mL)	No known significant effects or critical hazards.
	Ethanol Calibration Standard # 3 (1000 ug/mL)	No known significant effects or critical hazards.
	Ethanol Calibration Standard # 4 (2000 ug/mL)	No known significant effects or critical hazards.
	Ethanol Calibration Standard # 5 (3000 ug/mL)	No known significant effects or critical hazards.

### Precautionary statements

<b>Prevention</b>	: Ethanol Calibration Standard # 1 (500 ug/mL)	Not applicable.
	Ethanol Calibration Standard # 2 (800 ug/mL)	Not applicable.
	Ethanol Calibration Standard # 3 (1000 ug/mL)	Not applicable.
	Ethanol Calibration Standard # 4 (2000 ug/mL)	Not applicable.
	Ethanol Calibration Standard # 5 (3000 ug/mL)	Not applicable.

<b>Response</b>	: Ethanol Calibration Standard # 1 (500 ug/mL)	Not applicable.
	Ethanol Calibration Standard # 2 (800 ug/mL)	Not applicable.
	Ethanol Calibration Standard # 3 (1000 ug/mL)	Not applicable.
	Ethanol Calibration Standard # 4 (2000 ug/mL)	Not applicable.
	Ethanol Calibration Standard # 5 (3000 ug/mL)	Not applicable.

<b>Storage</b>	: Ethanol Calibration Standard # 1 (500 ug/mL)	Not applicable.
	Ethanol Calibration Standard # 2 (800 ug/mL)	Not applicable.
	Ethanol Calibration Standard # 3 (1000 ug/mL)	Not applicable.
	Ethanol Calibration Standard # 4 (2000 ug/mL)	Not applicable.
	Ethanol Calibration Standard # 5 (3000 ug/mL)	Not applicable.

<b>Disposal</b>	: Ethanol Calibration Standard # 1 (500 ug/mL)	Not applicable.
	Ethanol Calibration Standard # 2 (800 ug/mL)	Not applicable.
	Ethanol Calibration Standard # 3 (1000 ug/mL)	Not applicable.
	Ethanol Calibration Standard # 4 (2000 ug/mL)	Not applicable.
	Ethanol Calibration Standard # 5 (3000 ug/mL)	Not applicable.

### Supplemental label elements

<b>Additional warning phrases</b>	: Ethanol Calibration Standard # 1 (500 ug/mL)	Not applicable.
	Ethanol Calibration Standard # 2 (800 ug/mL)	Not applicable.
	Ethanol Calibration Standard # 3 (1000 ug/mL)	Not applicable.
	Ethanol Calibration Standard # 4 (2000 ug/mL)	Not applicable.

## Section 2. Hazard(s) identification

Ethanol Calibration Standard # 5 (3000 ug/mL) Not applicable.

**Other hazards which do not result in classification** :

- Ethanol Calibration Standard # 1 (500 ug/mL) None known.
- Ethanol Calibration Standard # 2 (800 ug/mL) None known.
- Ethanol Calibration Standard # 3 (1000 ug/mL) None known.
- Ethanol Calibration Standard # 4 (2000 ug/mL) None known.
- Ethanol Calibration Standard # 5 (3000 ug/mL) None known.

## Section 3. Composition and ingredient information

**Substance/mixture** :

- Ethanol Calibration Standard # 1 (500 ug/mL) Mixture
- Ethanol Calibration Standard # 2 (800 ug/mL) Mixture
- Ethanol Calibration Standard # 3 (1000 ug/mL) Mixture
- Ethanol Calibration Standard # 4 (2000 ug/mL) Mixture
- Ethanol Calibration Standard # 5 (3000 ug/mL) Mixture

### CAS number/other identifiers

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

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

## Section 4. First aid measures

### Description of necessary first aid measures

**Eye contact** :

- Ethanol Calibration Standard # 1 (500 ug/mL) Immediately flush eyes with plenty of water, occasionally lifting the upper and lower eyelids. Check for and remove any contact lenses. Get medical attention if irritation occurs.
- Ethanol Calibration Standard # 2 (800 ug/mL) Immediately flush eyes with plenty of water, occasionally lifting the upper and lower eyelids. Check for and remove any contact lenses. Get medical attention if irritation occurs.
- Ethanol Calibration Standard # 3 (1000 ug/mL) Immediately flush eyes with plenty of water, occasionally lifting the upper and lower eyelids. Check for and remove any contact lenses. Get medical attention if irritation occurs.
- Ethanol Calibration Standard # 4 (2000 ug/mL) Immediately flush eyes with plenty of water, occasionally lifting the upper and lower eyelids. Check for and remove any contact lenses. Get medical attention if irritation occurs.
- Ethanol Calibration Standard # 5 (3000 ug/mL) Immediately flush eyes with plenty of water, occasionally lifting the upper and lower eyelids. Check for and remove any contact lenses. Get medical attention if irritation occurs.

## Section 4. First aid measures

<b>Inhalation</b>	: Ethanol Calibration Standard # 1 (500 ug/mL)	Remove victim to fresh air and keep at rest in a position comfortable for breathing. Get medical attention if symptoms occur.
	Ethanol Calibration Standard # 2 (800 ug/mL)	Remove victim to fresh air and keep at rest in a position comfortable for breathing. Get medical attention if symptoms occur.
	Ethanol Calibration Standard # 3 (1000 ug/mL)	Remove victim to fresh air and keep at rest in a position comfortable for breathing. Get medical attention if symptoms occur.
	Ethanol Calibration Standard # 4 (2000 ug/mL)	Remove victim to fresh air and keep at rest in a position comfortable for breathing. Get medical attention if symptoms occur.
	Ethanol Calibration Standard # 5 (3000 ug/mL)	Remove victim to fresh air and keep at rest in a position comfortable for breathing. Get medical attention if symptoms occur.
<b>Skin contact</b>	: Ethanol Calibration Standard # 1 (500 ug/mL)	Flush contaminated skin with plenty of water. Remove contaminated clothing and shoes. Get medical attention if symptoms occur.
	Ethanol Calibration Standard # 2 (800 ug/mL)	Flush contaminated skin with plenty of water. Remove contaminated clothing and shoes. Get medical attention if symptoms occur.
	Ethanol Calibration Standard # 3 (1000 ug/mL)	Flush contaminated skin with plenty of water. Remove contaminated clothing and shoes. Get medical attention if symptoms occur.
	Ethanol Calibration Standard # 4 (2000 ug/mL)	Flush contaminated skin with plenty of water. Remove contaminated clothing and shoes. Get medical attention if symptoms occur.
	Ethanol Calibration Standard # 5 (3000 ug/mL)	Flush contaminated skin with plenty of water. Remove contaminated clothing and shoes. Get medical attention if symptoms occur.
<b>Ingestion</b>	: Ethanol Calibration Standard # 1 (500 ug/mL)	Wash out mouth with water. Remove victim to fresh air and keep at rest in a position comfortable for breathing. If material has been swallowed and the exposed person is conscious, give small quantities of water to drink. Do not induce vomiting unless directed to do so by medical personnel. Get medical attention if symptoms occur.
	Ethanol Calibration Standard # 2 (800 ug/mL)	Wash out mouth with water. Remove victim to fresh air and keep at rest in a position comfortable for breathing. If material has been swallowed and the exposed person is conscious, give small quantities of water to drink. Do not induce vomiting unless directed to do so by medical personnel. Get medical attention if symptoms occur.
	Ethanol Calibration Standard # 3 (1000 ug/mL)	Wash out mouth with water. Remove victim to fresh air and keep at rest in a position comfortable for breathing. If material has been swallowed and the exposed person is conscious, give small quantities of water to drink. Do not induce vomiting unless directed to do so by medical personnel. Get medical attention if symptoms occur.
	Ethanol Calibration Standard # 4 (2000 ug/mL)	Wash out mouth with water. Remove victim to fresh air and keep at rest in a position comfortable for breathing. If material has been swallowed and the exposed person is conscious, give small quantities of water to drink. Do not induce vomiting unless directed to do so by medical personnel. Get medical attention if symptoms occur.
	Ethanol Calibration Standard # 5 (3000 ug/mL)	Wash out mouth with water. Remove victim to fresh air and keep at rest in a position comfortable for breathing. If material has been swallowed and the exposed person is conscious, give small quantities of water to drink. Do not induce vomiting unless directed to do so by medical personnel. Get medical attention if symptoms occur.

## Section 4. First aid measures

directed to do so by medical personnel. Get medical attention if symptoms occur.

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

#### Potential acute health effects

<b>Eye contact</b>	:	Ethanol Calibration Standard # 1 (500 ug/mL)	No known significant effects or critical hazards.
		Ethanol Calibration Standard # 2 (800 ug/mL)	No known significant effects or critical hazards.
		Ethanol Calibration Standard # 3 (1000 ug/mL)	No known significant effects or critical hazards.
		Ethanol Calibration Standard # 4 (2000 ug/mL)	No known significant effects or critical hazards.
		Ethanol Calibration Standard # 5 (3000 ug/mL)	No known significant effects or critical hazards.
<b>Inhalation</b>	:	Ethanol Calibration Standard # 1 (500 ug/mL)	No known significant effects or critical hazards.
		Ethanol Calibration Standard # 2 (800 ug/mL)	No known significant effects or critical hazards.
		Ethanol Calibration Standard # 3 (1000 ug/mL)	No known significant effects or critical hazards.
		Ethanol Calibration Standard # 4 (2000 ug/mL)	No known significant effects or critical hazards.
		Ethanol Calibration Standard # 5 (3000 ug/mL)	No known significant effects or critical hazards.
<b>Skin contact</b>	:	Ethanol Calibration Standard # 1 (500 ug/mL)	No known significant effects or critical hazards.
		Ethanol Calibration Standard # 2 (800 ug/mL)	No known significant effects or critical hazards.
		Ethanol Calibration Standard # 3 (1000 ug/mL)	No known significant effects or critical hazards.
		Ethanol Calibration Standard # 4 (2000 ug/mL)	No known significant effects or critical hazards.
		Ethanol Calibration Standard # 5 (3000 ug/mL)	No known significant effects or critical hazards.
<b>Ingestion</b>	:	Ethanol Calibration Standard # 1 (500 ug/mL)	No known significant effects or critical hazards.
		Ethanol Calibration Standard # 2 (800 ug/mL)	No known significant effects or critical hazards.
		Ethanol Calibration Standard # 3 (1000 ug/mL)	No known significant effects or critical hazards.
		Ethanol Calibration Standard # 4 (2000 ug/mL)	No known significant effects or critical hazards.
		Ethanol Calibration Standard # 5 (3000 ug/mL)	No known significant effects or critical hazards.

#### Over-exposure signs/symptoms

<b>Eye contact</b>	:	Ethanol Calibration Standard # 1 (500 ug/mL)	No specific data.
		Ethanol Calibration Standard # 2 (800 ug/mL)	No specific data.
		Ethanol Calibration Standard # 3 (1000 ug/mL)	No specific data.
		Ethanol Calibration Standard # 4 (2000 ug/mL)	No specific data.
		Ethanol Calibration Standard # 5 (3000 ug/mL)	No specific data.

## Section 4. First aid measures

<b>Inhalation</b>	:	Ethanol Calibration Standard # 1 (500 ug/mL)	No specific data.
		Ethanol Calibration Standard # 2 (800 ug/mL)	No specific data.
		Ethanol Calibration Standard # 3 (1000 ug/mL)	No specific data.
		Ethanol Calibration Standard # 4 (2000 ug/mL)	No specific data.
		Ethanol Calibration Standard # 5 (3000 ug/mL)	No specific data.
<b>Skin contact</b>	:	Ethanol Calibration Standard # 1 (500 ug/mL)	No specific data.
		Ethanol Calibration Standard # 2 (800 ug/mL)	No specific data.
		Ethanol Calibration Standard # 3 (1000 ug/mL)	No specific data.
		Ethanol Calibration Standard # 4 (2000 ug/mL)	No specific data.
		Ethanol Calibration Standard # 5 (3000 ug/mL)	No specific data.
<b>Ingestion</b>	:	Ethanol Calibration Standard # 1 (500 ug/mL)	No specific data.
		Ethanol Calibration Standard # 2 (800 ug/mL)	No specific data.
		Ethanol Calibration Standard # 3 (1000 ug/mL)	No specific data.
		Ethanol Calibration Standard # 4 (2000 ug/mL)	No specific data.
		Ethanol Calibration Standard # 5 (3000 ug/mL)	No specific data.

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

<b>Notes to physician</b>	:	Ethanol Calibration Standard # 1 (500 ug/mL)	Treat symptomatically. Contact poison treatment specialist immediately if large quantities have been ingested or inhaled.
		Ethanol Calibration Standard # 2 (800 ug/mL)	Treat symptomatically. Contact poison treatment specialist immediately if large quantities have been ingested or inhaled.
		Ethanol Calibration Standard # 3 (1000 ug/mL)	Treat symptomatically. Contact poison treatment specialist immediately if large quantities have been ingested or inhaled.
		Ethanol Calibration Standard # 4 (2000 ug/mL)	Treat symptomatically. Contact poison treatment specialist immediately if large quantities have been ingested or inhaled.
		Ethanol Calibration Standard # 5 (3000 ug/mL)	Treat symptomatically. Contact poison treatment specialist immediately if large quantities have been ingested or inhaled.

<b>Specific treatments</b>	:	Ethanol Calibration Standard # 1 (500 ug/mL)	No specific treatment.
		Ethanol Calibration Standard # 2 (800 ug/mL)	No specific treatment.
		Ethanol Calibration Standard # 3 (1000 ug/mL)	No specific treatment.
		Ethanol Calibration Standard # 4 (2000 ug/mL)	No specific treatment.
		Ethanol Calibration Standard # 5 (3000 ug/mL)	No specific treatment.

## Section 4. First aid measures

<b>Protection of first-aiders</b>	:	Ethanol Calibration Standard # 1 (500 ug/mL)	No action shall be taken involving any personal risk or without suitable training.
		Ethanol Calibration Standard # 2 (800 ug/mL)	No action shall be taken involving any personal risk or without suitable training.
		Ethanol Calibration Standard # 3 (1000 ug/mL)	No action shall be taken involving any personal risk or without suitable training.
		Ethanol Calibration Standard # 4 (2000 ug/mL)	No action shall be taken involving any personal risk or without suitable training.
		Ethanol Calibration Standard # 5 (3000 ug/mL)	No action shall be taken involving any personal risk or without suitable training.

See toxicological information (Section 11)

## Section 5. Firefighting measures

### Extinguishing media

<b>Suitable extinguishing media</b>	:	Ethanol Calibration Standard # 1 (500 ug/mL)	Use an extinguishing agent suitable for the surrounding fire.
		Ethanol Calibration Standard # 2 (800 ug/mL)	Use an extinguishing agent suitable for the surrounding fire.
		Ethanol Calibration Standard # 3 (1000 ug/mL)	Use an extinguishing agent suitable for the surrounding fire.
		Ethanol Calibration Standard # 4 (2000 ug/mL)	Use an extinguishing agent suitable for the surrounding fire.
		Ethanol Calibration Standard # 5 (3000 ug/mL)	Use an extinguishing agent suitable for the surrounding fire.

<b>Unsuitable extinguishing media</b>	:	Ethanol Calibration Standard # 1 (500 ug/mL)	None known.
		Ethanol Calibration Standard # 2 (800 ug/mL)	None known.
		Ethanol Calibration Standard # 3 (1000 ug/mL)	None known.
		Ethanol Calibration Standard # 4 (2000 ug/mL)	None known.
		Ethanol Calibration Standard # 5 (3000 ug/mL)	None known.

### Specific hazards arising from the chemical

:	Ethanol Calibration Standard # 1 (500 ug/mL)	In a fire or if heated, a pressure increase will occur and the container may burst.
	Ethanol Calibration Standard # 2 (800 ug/mL)	In a fire or if heated, a pressure increase will occur and the container may burst.
	Ethanol Calibration Standard # 3 (1000 ug/mL)	In a fire or if heated, a pressure increase will occur and the container may burst.
	Ethanol Calibration Standard # 4 (2000 ug/mL)	In a fire or if heated, a pressure increase will occur and the container may burst.
	Ethanol Calibration Standard # 5 (3000 ug/mL)	In a fire or if heated, a pressure increase will occur and the container may burst.

### Hazardous thermal decomposition products

:	Ethanol Calibration Standard # 1 (500 ug/mL)	No specific data.
	Ethanol Calibration Standard # 2 (800 ug/mL)	No specific data.
	Ethanol Calibration Standard # 3 (1000 ug/mL)	No specific data.
	Ethanol Calibration Standard # 4 (2000 ug/mL)	No specific data.
	Ethanol Calibration Standard # 5 (3000 ug/mL)	No specific data.

## Section 5. Firefighting measures

<b>Special protective actions for fire-fighters</b>	: Ethanol Calibration Standard # 1 (500 ug/mL)	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.
	Ethanol Calibration Standard # 2 (800 ug/mL)	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.
	Ethanol Calibration Standard # 3 (1000 ug/mL)	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.
	Ethanol Calibration Standard # 4 (2000 ug/mL)	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.
	Ethanol Calibration Standard # 5 (3000 ug/mL)	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.
<b>Special protective equipment for fire-fighters</b>	: Ethanol Calibration Standard # 1 (500 ug/mL)	Fire-fighters should wear appropriate protective equipment and self-contained breathing apparatus (SCBA) with a full face-piece operated in positive pressure mode.
	Ethanol Calibration Standard # 2 (800 ug/mL)	Fire-fighters should wear appropriate protective equipment and self-contained breathing apparatus (SCBA) with a full face-piece operated in positive pressure mode.
	Ethanol Calibration Standard # 3 (1000 ug/mL)	Fire-fighters should wear appropriate protective equipment and self-contained breathing apparatus (SCBA) with a full face-piece operated in positive pressure mode.
	Ethanol Calibration Standard # 4 (2000 ug/mL)	Fire-fighters should wear appropriate protective equipment and self-contained breathing apparatus (SCBA) with a full face-piece operated in positive pressure mode.
	Ethanol Calibration Standard # 5 (3000 ug/mL)	Fire-fighters should wear appropriate protective equipment and self-contained breathing apparatus (SCBA) with a full face-piece operated in positive pressure mode.

## Section 6. Accidental release measures

### Personal precautions, protective equipment and emergency procedures

<b>For non-emergency personnel</b>	: Ethanol Calibration Standard # 1 (500 ug/mL)	No action shall be taken involving any personal risk or without suitable training. Evacuate surrounding areas. Keep unnecessary and unprotected personnel from entering. Do not touch or walk through spilt material. Put on appropriate personal protective equipment.
	Ethanol Calibration Standard # 2 (800 ug/mL)	No action shall be taken involving any personal risk or without suitable training. Evacuate surrounding areas. Keep unnecessary and unprotected personnel from entering. Do not touch or walk through spilt material. Put on appropriate personal protective equipment.
	Ethanol Calibration Standard # 3 (1000 ug/mL)	No action shall be taken involving any personal risk or without suitable training. Evacuate surrounding areas. Keep unnecessary and unprotected personnel from entering. Do not touch or walk through spilt material. Put on appropriate personal protective equipment.
	Ethanol Calibration Standard	No action shall be taken involving any personal risk



## Section 6. Accidental release measures

	# 4 (2000 ug/mL)	or without suitable training. Evacuate surrounding areas. Keep unnecessary and unprotected personnel from entering. Do not touch or walk through spilt material. Put on appropriate personal protective equipment.
	Ethanol Calibration Standard # 5 (3000 ug/mL)	No action shall be taken involving any personal risk or without suitable training. Evacuate surrounding areas. Keep unnecessary and unprotected personnel from entering. Do not touch or walk through spilt material. Put on appropriate personal protective equipment.
<b>For emergency responders</b>	: Ethanol Calibration Standard # 1 (500 ug/mL)	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".
	Ethanol Calibration Standard # 2 (800 ug/mL)	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".
	Ethanol Calibration Standard # 3 (1000 ug/mL)	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".
	Ethanol Calibration Standard # 4 (2000 ug/mL)	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".
	Ethanol Calibration Standard # 5 (3000 ug/mL)	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".
<b>Environmental precautions</b>	: Ethanol Calibration Standard # 1 (500 ug/mL)	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).
	Ethanol Calibration Standard # 2 (800 ug/mL)	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).
	Ethanol Calibration Standard # 3 (1000 ug/mL)	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).
	Ethanol Calibration Standard # 4 (2000 ug/mL)	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).
	Ethanol Calibration Standard # 5 (3000 ug/mL)	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

## Section 6. Accidental release measures

<b>Methods for cleaning up</b>	: Ethanol Calibration Standard # 1 (500 ug/mL)	Stop leak if without risk. Move containers from spill area. Dilute with water and mop up if water-soluble. Alternatively, or if water-insoluble, absorb with an inert dry material and place in an appropriate waste disposal container. Dispose of via a licensed waste disposal contractor.
	Ethanol Calibration Standard # 2 (800 ug/mL)	Stop leak if without risk. Move containers from spill area. Dilute with water and mop up if water-soluble. Alternatively, or if water-insoluble, absorb with an inert dry material and place in an appropriate waste disposal container. Dispose of via a licensed waste disposal contractor.
	Ethanol Calibration Standard # 3 (1000 ug/mL)	Stop leak if without risk. Move containers from spill area. Dilute with water and mop up if water-soluble. Alternatively, or if water-insoluble, absorb with an inert dry material and place in an appropriate waste disposal container. Dispose of via a licensed waste disposal contractor.
	Ethanol Calibration Standard # 4 (2000 ug/mL)	Stop leak if without risk. Move containers from spill area. Dilute with water and mop up if water-soluble. Alternatively, or if water-insoluble, absorb with an inert dry material and place in an appropriate waste disposal container. Dispose of via a licensed waste disposal contractor.
	Ethanol Calibration Standard # 5 (3000 ug/mL)	Stop leak if without risk. Move containers from spill area. Dilute with water and mop up if water-soluble. Alternatively, or if water-insoluble, absorb with an inert dry material and place in an appropriate waste disposal container. Dispose of via a licensed waste disposal contractor.

## Section 7. Handling and storage

### Precautions for safe handling

<b>Protective measures</b>	: Ethanol Calibration Standard # 1 (500 ug/mL)	Put on appropriate personal protective equipment (see Section 8).
	Ethanol Calibration Standard # 2 (800 ug/mL)	Put on appropriate personal protective equipment (see Section 8).
	Ethanol Calibration Standard # 3 (1000 ug/mL)	Put on appropriate personal protective equipment (see Section 8).
	Ethanol Calibration Standard # 4 (2000 ug/mL)	Put on appropriate personal protective equipment (see Section 8).
	Ethanol Calibration Standard # 5 (3000 ug/mL)	Put on appropriate personal protective equipment (see Section 8).
<b>Advice on general occupational hygiene</b>	: Ethanol Calibration Standard # 1 (500 ug/mL)	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.
	Ethanol Calibration Standard # 2 (800 ug/mL)	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.
	Ethanol Calibration Standard # 3 (1000 ug/mL)	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

	before entering eating areas. See also Section 8 for additional information on hygiene measures.
Ethanol Calibration Standard # 4 (2000 ug/mL)	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.
Ethanol Calibration Standard # 5 (3000 ug/mL)	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.
<b>Conditions for safe storage, including any incompatibilities</b> : Ethanol Calibration Standard # 1 (500 ug/mL)	Store in accordance with local regulations. Store in original container protected from direct sunlight in a dry, cool and well-ventilated area, away from incompatible materials (see Section 10) and food and drink. Keep container tightly closed and sealed until ready for use. Containers that have been opened must be carefully resealed and kept upright to prevent leakage. Do not store in unlabelled containers. Use appropriate containment to avoid environmental contamination. See Section 10 for incompatible materials before handling or use.
Ethanol Calibration Standard # 2 (800 ug/mL)	Store in accordance with local regulations. Store in original container protected from direct sunlight in a dry, cool and well-ventilated area, away from incompatible materials (see Section 10) and food and drink. Keep container tightly closed and sealed until ready for use. Containers that have been opened must be carefully resealed and kept upright to prevent leakage. Do not store in unlabelled containers. Use appropriate containment to avoid environmental contamination. See Section 10 for incompatible materials before handling or use.
Ethanol Calibration Standard # 3 (1000 ug/mL)	Store in accordance with local regulations. Store in original container protected from direct sunlight in a dry, cool and well-ventilated area, away from incompatible materials (see Section 10) and food and drink. Keep container tightly closed and sealed until ready for use. Containers that have been opened must be carefully resealed and kept upright to prevent leakage. Do not store in unlabelled containers. Use appropriate containment to avoid environmental contamination. See Section 10 for incompatible materials before handling or use.
Ethanol Calibration Standard # 4 (2000 ug/mL)	Store in accordance with local regulations. Store in original container protected from direct sunlight in a dry, cool and well-ventilated area, away from incompatible materials (see Section 10) and food and drink. Keep container tightly closed and sealed until ready for use. Containers that have been opened must be carefully resealed and kept upright to prevent leakage. Do not store in unlabelled containers. Use appropriate containment to avoid environmental contamination. See Section 10 for incompatible materials before handling or use.
Ethanol Calibration Standard # 5 (3000 ug/mL)	Store in accordance with local regulations. Store in original container protected from direct sunlight in a

## Section 7. Handling and storage

dry, cool and well-ventilated area, away from incompatible materials (see Section 10) and food and drink. Keep container tightly closed and sealed until ready for use. Containers that have been opened must be carefully resealed and kept upright to prevent leakage. Do not store in unlabelled containers. Use appropriate containment to avoid environmental contamination. See Section 10 for incompatible materials before handling or use.

## Section 8. Exposure controls and personal protection

### Control parameters

### Occupational exposure limits

None.

- Appropriate engineering controls** : Good general ventilation should be sufficient to control worker exposure to airborne contaminants.
- Environmental exposure controls** : Emissions from ventilation or work process equipment should be checked to ensure they comply with the requirements of environmental protection legislation. In some cases, fume scrubbers, filters or engineering modifications to the process equipment will be necessary to reduce emissions to acceptable levels.

### Individual protection measures

- Hygiene measures** : Wash hands, forearms and face thoroughly after handling chemical products, before eating, smoking and using the lavatory and at the end of the working period. Appropriate techniques should be used to remove potentially contaminated clothing. Wash contaminated clothing before reusing. Ensure that eyewash stations and safety showers are close to the workstation location.
- Eye/face protection** : Safety eyewear complying with an approved standard should be used when a risk assessment indicates this is necessary to avoid exposure to liquid splashes, mists, gases or dusts. If contact is possible, the following protection should be worn, unless the assessment indicates a higher degree of protection: safety glasses with side-shields.
- 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.
- 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** : Ethanol Calibration Standard Liquid.  
# 1 (500 ug/mL)  
Ethanol Calibration Standard Liquid.  
# 2 (800 ug/mL)  
Ethanol Calibration Standard Liquid.  
# 3 (1000 ug/mL)  
Ethanol Calibration Standard Liquid.

## Section 9. Physical and chemical properties

	# 4 (2000 ug/mL) Ethanol Calibration Standard	Liquid.
	# 5 (3000 ug/mL)	
<b>Colour</b>	: Ethanol Calibration Standard	Not available.
	# 1 (500 ug/mL) Ethanol Calibration Standard	Not available.
	# 2 (800 ug/mL) Ethanol Calibration Standard	Not available.
	# 3 (1000 ug/mL) Ethanol Calibration Standard	Not available.
	# 4 (2000 ug/mL) Ethanol Calibration Standard	Not available.
	# 5 (3000 ug/mL)	
<b>Odour</b>	: Ethanol Calibration Standard	Not available.
	# 1 (500 ug/mL) Ethanol Calibration Standard	Not available.
	# 2 (800 ug/mL) Ethanol Calibration Standard	Not available.
	# 3 (1000 ug/mL) Ethanol Calibration Standard	Not available.
	# 4 (2000 ug/mL) Ethanol Calibration Standard	Not available.
	# 5 (3000 ug/mL)	
<b>Odour threshold</b>	: Ethanol Calibration Standard	Not available.
	# 1 (500 ug/mL) Ethanol Calibration Standard	Not available.
	# 2 (800 ug/mL) Ethanol Calibration Standard	Not available.
	# 3 (1000 ug/mL) Ethanol Calibration Standard	Not available.
	# 4 (2000 ug/mL) Ethanol Calibration Standard	Not available.
	# 5 (3000 ug/mL)	
<b>pH</b>	: Ethanol Calibration Standard	Not available.
	# 1 (500 ug/mL) Ethanol Calibration Standard	Not available.
	# 2 (800 ug/mL) Ethanol Calibration Standard	Not available.
	# 3 (1000 ug/mL) Ethanol Calibration Standard	Not available.
	# 4 (2000 ug/mL) Ethanol Calibration Standard	Not available.
	# 5 (3000 ug/mL)	
<b>Melting point</b>	: Ethanol Calibration Standard	0°C (32°F)
	# 1 (500 ug/mL) Ethanol Calibration Standard	0°C (32°F)
	# 2 (800 ug/mL) Ethanol Calibration Standard	0°C (32°F)
	# 3 (1000 ug/mL) Ethanol Calibration Standard	0°C (32°F)
	# 4 (2000 ug/mL) Ethanol Calibration Standard	0°C (32°F)
	# 5 (3000 ug/mL)	
<b>Boiling point</b>	: Ethanol Calibration Standard	100°C (212°F)
	# 1 (500 ug/mL) Ethanol Calibration Standard	100°C (212°F)
	# 2 (800 ug/mL) Ethanol Calibration Standard	100°C (212°F)
	# 3 (1000 ug/mL) Ethanol Calibration Standard	100°C (212°F)
	# 4 (2000 ug/mL)	

## Section 9. Physical and chemical properties

	Ethanol Calibration Standard	100°C (212°F)
	# 5 (3000 ug/mL)	
<b>Flash point</b>	: Ethanol Calibration Standard	Not available.
	# 1 (500 ug/mL)	
	Ethanol Calibration Standard	Not available.
	# 2 (800 ug/mL)	
	Ethanol Calibration Standard	Not available.
	# 3 (1000 ug/mL)	
	Ethanol Calibration Standard	Not available.
	# 4 (2000 ug/mL)	
	Ethanol Calibration Standard	Not available.
	# 5 (3000 ug/mL)	
<b>Evaporation rate</b>	: Ethanol Calibration Standard	Not available.
	# 1 (500 ug/mL)	
	Ethanol Calibration Standard	Not available.
	# 2 (800 ug/mL)	
	Ethanol Calibration Standard	Not available.
	# 3 (1000 ug/mL)	
	Ethanol Calibration Standard	Not available.
	# 4 (2000 ug/mL)	
	Ethanol Calibration Standard	Not available.
	# 5 (3000 ug/mL)	
<b>Flammability (solid, gas)</b>	: Ethanol Calibration Standard	Not applicable.
	# 1 (500 ug/mL)	
	Ethanol Calibration Standard	Not applicable.
	# 2 (800 ug/mL)	
	Ethanol Calibration Standard	Not applicable.
	# 3 (1000 ug/mL)	
	Ethanol Calibration Standard	Not applicable.
	# 4 (2000 ug/mL)	
	Ethanol Calibration Standard	Not applicable.
	# 5 (3000 ug/mL)	
<b>Lower and upper explosive (flammable) limits</b>	: Ethanol Calibration Standard	Not available.
	# 1 (500 ug/mL)	
	Ethanol Calibration Standard	Not available.
	# 2 (800 ug/mL)	
	Ethanol Calibration Standard	Not available.
	# 3 (1000 ug/mL)	
	Ethanol Calibration Standard	Not available.
	# 4 (2000 ug/mL)	
	Ethanol Calibration Standard	Not available.
	# 5 (3000 ug/mL)	
<b>Vapour pressure</b>	: Ethanol Calibration Standard	Not available.
	# 1 (500 ug/mL)	
	Ethanol Calibration Standard	Not available.
	# 2 (800 ug/mL)	
	Ethanol Calibration Standard	Not available.
	# 3 (1000 ug/mL)	
	Ethanol Calibration Standard	Not available.
	# 4 (2000 ug/mL)	
	Ethanol Calibration Standard	Not available.
	# 5 (3000 ug/mL)	
<b>Vapour density</b>	: Ethanol Calibration Standard	Not available.
	# 1 (500 ug/mL)	
	Ethanol Calibration Standard	Not available.
	# 2 (800 ug/mL)	
	Ethanol Calibration Standard	Not available.
	# 3 (1000 ug/mL)	
	Ethanol Calibration Standard	Not available.
	# 4 (2000 ug/mL)	
	Ethanol Calibration Standard	Not available.

## Section 9. Physical and chemical properties

	# 5 (3000 ug/mL)	
<b>Relative density</b>	: Ethanol Calibration Standard	Not available.
	# 1 (500 ug/mL)	
	Ethanol Calibration Standard	Not available.
	# 2 (800 ug/mL)	
	Ethanol Calibration Standard	Not available.
	# 3 (1000 ug/mL)	
	Ethanol Calibration Standard	Not available.
	# 4 (2000 ug/mL)	
	Ethanol Calibration Standard	Not available.
	# 5 (3000 ug/mL)	
<b>Solubility</b>	: Ethanol Calibration Standard	Easily soluble in the following materials: cold water and hot water.
	# 1 (500 ug/mL)	
	Ethanol Calibration Standard	Easily soluble in the following materials: cold water and hot water.
	# 2 (800 ug/mL)	
	Ethanol Calibration Standard	Easily soluble in the following materials: cold water and hot water.
	# 3 (1000 ug/mL)	
	Ethanol Calibration Standard	Easily soluble in the following materials: cold water and hot water.
	# 4 (2000 ug/mL)	
	Ethanol Calibration Standard	Easily soluble in the following materials: cold water and hot water.
	# 5 (3000 ug/mL)	
<b>Partition coefficient: n-octanol/water</b>	: Ethanol Calibration Standard	Not available.
	# 1 (500 ug/mL)	
	Ethanol Calibration Standard	Not available.
	# 2 (800 ug/mL)	
	Ethanol Calibration Standard	Not available.
	# 3 (1000 ug/mL)	
	Ethanol Calibration Standard	Not available.
	# 4 (2000 ug/mL)	
	Ethanol Calibration Standard	Not available.
	# 5 (3000 ug/mL)	
<b>Auto-ignition temperature</b>	: Ethanol Calibration Standard	Not available.
	# 1 (500 ug/mL)	
	Ethanol Calibration Standard	Not available.
	# 2 (800 ug/mL)	
	Ethanol Calibration Standard	Not available.
	# 3 (1000 ug/mL)	
	Ethanol Calibration Standard	Not available.
	# 4 (2000 ug/mL)	
	Ethanol Calibration Standard	Not available.
	# 5 (3000 ug/mL)	
<b>Decomposition temperature</b>	: Ethanol Calibration Standard	Not available.
	# 1 (500 ug/mL)	
	Ethanol Calibration Standard	Not available.
	# 2 (800 ug/mL)	
	Ethanol Calibration Standard	Not available.
	# 3 (1000 ug/mL)	
	Ethanol Calibration Standard	Not available.
	# 4 (2000 ug/mL)	
	Ethanol Calibration Standard	Not available.
	# 5 (3000 ug/mL)	
<b>Viscosity</b>	: Ethanol Calibration Standard	Not available.
	# 1 (500 ug/mL)	
	Ethanol Calibration Standard	Not available.
	# 2 (800 ug/mL)	
	Ethanol Calibration Standard	Not available.
	# 3 (1000 ug/mL)	
	Ethanol Calibration Standard	Not available.
	# 4 (2000 ug/mL)	
	Ethanol Calibration Standard	Not available.
	# 5 (3000 ug/mL)	

## Section 10. Stability and reactivity

<b>Reactivity</b>	: Ethanol Calibration Standard # 1 (500 ug/mL) Ethanol Calibration Standard # 2 (800 ug/mL) Ethanol Calibration Standard # 3 (1000 ug/mL) Ethanol Calibration Standard # 4 (2000 ug/mL) Ethanol Calibration Standard # 5 (3000 ug/mL)	No specific test data related to reactivity available for this product or its ingredients. No specific test data related to reactivity available for this product or its ingredients. No specific test data related to reactivity available for this product or its ingredients. No specific test data related to reactivity available for this product or its ingredients. No specific test data related to reactivity available for this product or its ingredients.
<b>Chemical stability</b>	: Ethanol Calibration Standard # 1 (500 ug/mL) Ethanol Calibration Standard # 2 (800 ug/mL) Ethanol Calibration Standard # 3 (1000 ug/mL) Ethanol Calibration Standard # 4 (2000 ug/mL) Ethanol Calibration Standard # 5 (3000 ug/mL)	The product is stable. The product is stable. The product is stable. The product is stable. The product is stable.
<b>Possibility of hazardous reactions</b>	: Ethanol Calibration Standard # 1 (500 ug/mL) Ethanol Calibration Standard # 2 (800 ug/mL) Ethanol Calibration Standard # 3 (1000 ug/mL) Ethanol Calibration Standard # 4 (2000 ug/mL) Ethanol Calibration Standard # 5 (3000 ug/mL)	Under normal conditions of storage and use, hazardous reactions will not occur. Under normal conditions of storage and use, hazardous reactions will not occur. Under normal conditions of storage and use, hazardous reactions will not occur. Under normal conditions of storage and use, hazardous reactions will not occur. Under normal conditions of storage and use, hazardous reactions will not occur.
<b>Conditions to avoid</b>	: Ethanol Calibration Standard # 1 (500 ug/mL) Ethanol Calibration Standard # 2 (800 ug/mL) Ethanol Calibration Standard # 3 (1000 ug/mL) Ethanol Calibration Standard # 4 (2000 ug/mL) Ethanol Calibration Standard # 5 (3000 ug/mL)	No specific data. No specific data. No specific data. No specific data. No specific data.
<b>Incompatible materials</b>	: Ethanol Calibration Standard # 1 (500 ug/mL) Ethanol Calibration Standard # 2 (800 ug/mL) Ethanol Calibration Standard # 3 (1000 ug/mL) Ethanol Calibration Standard # 4 (2000 ug/mL) Ethanol Calibration Standard # 5 (3000 ug/mL)	May react or be incompatible with oxidising materials. May react or be incompatible with oxidising materials. May react or be incompatible with oxidising materials. May react or be incompatible with oxidising materials. May react or be incompatible with oxidising materials.



## Section 10. Stability and reactivity

<b>Hazardous decomposition products</b>	: Ethanol Calibration Standard # 1 (500 ug/mL)	Under normal conditions of storage and use, hazardous decomposition products should not be produced.
	Ethanol Calibration Standard # 2 (800 ug/mL)	Under normal conditions of storage and use, hazardous decomposition products should not be produced.
	Ethanol Calibration Standard # 3 (1000 ug/mL)	Under normal conditions of storage and use, hazardous decomposition products should not be produced.
	Ethanol Calibration Standard # 4 (2000 ug/mL)	Under normal conditions of storage and use, hazardous decomposition products should not be produced.
	Ethanol Calibration Standard # 5 (3000 ug/mL)	Under normal conditions of storage and use, hazardous decomposition products should not be produced.

## Section 11. Toxicological information

### Information on toxicological effects

#### Acute toxicity

Not available.

#### Irritation/Corrosion

Not available.

#### Sensitisation

Not available.

#### Mutagenicity

**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>	: Ethanol Calibration Standard # 1 (500 ug/mL)	Not available.
	Ethanol Calibration Standard # 2 (800 ug/mL)	Not available.
	Ethanol Calibration Standard # 3 (1000 ug/mL)	Not available.
	Ethanol Calibration Standard # 4 (2000 ug/mL)	Not available.
	Ethanol Calibration Standard # 5 (3000 ug/mL)	Not available.

### Potential acute health effects

## Section 11. Toxicological information

<b>Eye contact</b>	:	Ethanol Calibration Standard # 1 (500 ug/mL)	No known significant effects or critical hazards.
		Ethanol Calibration Standard # 2 (800 ug/mL)	No known significant effects or critical hazards.
		Ethanol Calibration Standard # 3 (1000 ug/mL)	No known significant effects or critical hazards.
		Ethanol Calibration Standard # 4 (2000 ug/mL)	No known significant effects or critical hazards.
		Ethanol Calibration Standard # 5 (3000 ug/mL)	No known significant effects or critical hazards.
<b>Inhalation</b>	:	Ethanol Calibration Standard # 1 (500 ug/mL)	No known significant effects or critical hazards.
		Ethanol Calibration Standard # 2 (800 ug/mL)	No known significant effects or critical hazards.
		Ethanol Calibration Standard # 3 (1000 ug/mL)	No known significant effects or critical hazards.
		Ethanol Calibration Standard # 4 (2000 ug/mL)	No known significant effects or critical hazards.
		Ethanol Calibration Standard # 5 (3000 ug/mL)	No known significant effects or critical hazards.
<b>Skin contact</b>	:	Ethanol Calibration Standard # 1 (500 ug/mL)	No known significant effects or critical hazards.
		Ethanol Calibration Standard # 2 (800 ug/mL)	No known significant effects or critical hazards.
		Ethanol Calibration Standard # 3 (1000 ug/mL)	No known significant effects or critical hazards.
		Ethanol Calibration Standard # 4 (2000 ug/mL)	No known significant effects or critical hazards.
		Ethanol Calibration Standard # 5 (3000 ug/mL)	No known significant effects or critical hazards.
<b>Ingestion</b>	:	Ethanol Calibration Standard # 1 (500 ug/mL)	No known significant effects or critical hazards.
		Ethanol Calibration Standard # 2 (800 ug/mL)	No known significant effects or critical hazards.
		Ethanol Calibration Standard # 3 (1000 ug/mL)	No known significant effects or critical hazards.
		Ethanol Calibration Standard # 4 (2000 ug/mL)	No known significant effects or critical hazards.
		Ethanol Calibration Standard # 5 (3000 ug/mL)	No known significant effects or critical hazards.

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

<b>Eye contact</b>	:	Ethanol Calibration Standard # 1 (500 ug/mL)	No specific data.
		Ethanol Calibration Standard # 2 (800 ug/mL)	No specific data.
		Ethanol Calibration Standard # 3 (1000 ug/mL)	No specific data.
		Ethanol Calibration Standard # 4 (2000 ug/mL)	No specific data.
		Ethanol Calibration Standard # 5 (3000 ug/mL)	No specific data.
<b>Inhalation</b>	:	Ethanol Calibration Standard # 1 (500 ug/mL)	No specific data.
		Ethanol Calibration Standard # 2 (800 ug/mL)	No specific data.
		Ethanol Calibration Standard # 3 (1000 ug/mL)	No specific data.
		Ethanol Calibration Standard # 4 (2000 ug/mL)	No specific data.
		Ethanol Calibration Standard # 5 (3000 ug/mL)	No specific data.

## Section 11. Toxicological information

**Skin contact** : Ethanol Calibration Standard No specific data.  
 # 1 (500 ug/mL)  
 Ethanol Calibration Standard No specific data.  
 # 2 (800 ug/mL)  
 Ethanol Calibration Standard No specific data.  
 # 3 (1000 ug/mL)  
 Ethanol Calibration Standard No specific data.  
 # 4 (2000 ug/mL)  
 Ethanol Calibration Standard No specific data.  
 # 5 (3000 ug/mL)

**Ingestion** : Ethanol Calibration Standard No specific data.  
 # 1 (500 ug/mL)  
 Ethanol Calibration Standard No specific data.  
 # 2 (800 ug/mL)  
 Ethanol Calibration Standard No specific data.  
 # 3 (1000 ug/mL)  
 Ethanol Calibration Standard No specific data.  
 # 4 (2000 ug/mL)  
 Ethanol Calibration Standard No specific data.  
 # 5 (3000 ug/mL)

### 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

**General** : Ethanol Calibration Standard No known significant effects or critical hazards.  
 # 1 (500 ug/mL)  
 Ethanol Calibration Standard No known significant effects or critical hazards.  
 # 2 (800 ug/mL)  
 Ethanol Calibration Standard No known significant effects or critical hazards.  
 # 3 (1000 ug/mL)  
 Ethanol Calibration Standard No known significant effects or critical hazards.  
 # 4 (2000 ug/mL)  
 Ethanol Calibration Standard No known significant effects or critical hazards.  
 # 5 (3000 ug/mL)

**Carcinogenicity** : Ethanol Calibration Standard No known significant effects or critical hazards.  
 # 1 (500 ug/mL)  
 Ethanol Calibration Standard No known significant effects or critical hazards.  
 # 2 (800 ug/mL)  
 Ethanol Calibration Standard No known significant effects or critical hazards.  
 # 3 (1000 ug/mL)  
 Ethanol Calibration Standard No known significant effects or critical hazards.  
 # 4 (2000 ug/mL)  
 Ethanol Calibration Standard No known significant effects or critical hazards.  
 # 5 (3000 ug/mL)

**Mutagenicity** : Ethanol Calibration Standard No known significant effects or critical hazards.  
 # 1 (500 ug/mL)  
 Ethanol Calibration Standard No known significant effects or critical hazards.  
 # 2 (800 ug/mL)  
 Ethanol Calibration Standard No known significant effects or critical hazards.  
 # 3 (1000 ug/mL)  
 Ethanol Calibration Standard No known significant effects or critical hazards.  
 # 4 (2000 ug/mL)  
 Ethanol Calibration Standard No known significant effects or critical hazards.

## Section 11. Toxicological information

<b>Teratogenicity</b>	# 5 (3000 ug/mL)	
	: Ethanol Calibration Standard # 1 (500 ug/mL)	No known significant effects or critical hazards.
	Ethanol Calibration Standard # 2 (800 ug/mL)	No known significant effects or critical hazards.
	Ethanol Calibration Standard # 3 (1000 ug/mL)	No known significant effects or critical hazards.
	Ethanol Calibration Standard # 4 (2000 ug/mL)	No known significant effects or critical hazards.
<b>Developmental effects</b>	Ethanol Calibration Standard # 5 (3000 ug/mL)	No known significant effects or critical hazards.
	: Ethanol Calibration Standard # 1 (500 ug/mL)	No known significant effects or critical hazards.
	Ethanol Calibration Standard # 2 (800 ug/mL)	No known significant effects or critical hazards.
	Ethanol Calibration Standard # 3 (1000 ug/mL)	No known significant effects or critical hazards.
	Ethanol Calibration Standard # 4 (2000 ug/mL)	No known significant effects or critical hazards.
<b>Fertility effects</b>	Ethanol Calibration Standard # 5 (3000 ug/mL)	No known significant effects or critical hazards.
	: Ethanol Calibration Standard # 1 (500 ug/mL)	No known significant effects or critical hazards.
	Ethanol Calibration Standard # 2 (800 ug/mL)	No known significant effects or critical hazards.
	Ethanol Calibration Standard # 3 (1000 ug/mL)	No known significant effects or critical hazards.
	Ethanol Calibration Standard # 4 (2000 ug/mL)	No known significant effects or critical hazards.
	Ethanol Calibration Standard # 5 (3000 ug/mL)	No known significant effects or critical hazards.

### Numerical measures of toxicity

#### Acute toxicity estimates

Not available.

## Section 12. Ecological information

### Toxicity

Not available.

### Persistence and degradability

Not available.

### Bioaccumulative potential

Not available.

### Mobility in soil

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

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

## Section 13. Disposal considerations

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

## Section 14. Transport information

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

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

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

## Section 15. Regulatory information

### Standard Uniform Schedule of Medicine and Poisons

Not regulated.

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

No listed substance

### 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** : All components are listed or exempted.  
**Canada** : All components are listed or exempted.  
**China** : All components are listed or exempted.  
**Europe** : All components are listed or exempted.  
**Japan** : **Japan inventory (ENCS):** All components are listed or exempted.  
**Japan inventory (ISHL):** All components are listed or exempted.  
**Malaysia** : All components are listed or exempted.  
**New Zealand** : All components are listed or exempted.  
**Philippines** : All components are listed or exempted.  
**Republic of Korea** : All components are listed or exempted.

## Section 15. Regulatory information

<b>Taiwan</b>	: All components are listed or exempted.
<b>Thailand</b>	: <input checked="" type="checkbox"/> Not determined.
<b>Turkey</b>	: <input checked="" type="checkbox"/> All components are listed or exempted.
<b>United States</b>	: All components are listed or exempted.
<b>Viet Nam</b>	: <input checked="" type="checkbox"/> Not determined.

## Section 16. Any other relevant information

### History

**Date of issue/Date of revision** : 19/07/2018

**Date of previous issue** : 28/07/2016

**Version** : 4

### Key to abbreviations

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

### Procedure used to derive the classification

Classification	Justification
Not classified.	

**References** : Not available.

Indicates information that has changed from previously issued version.

### Notice to reader

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