

SAFETY DATA SHEET



Multicomponent Alcohol Calibration Kit, Part Number G3440-85035

Section 1. Identification

Product identifier : Multicomponent Alcohol Calibration Kit, Part Number G3440-85035

Part no. (chemical kit) : G3440-85035

Part no. : Alcohol Calibration Standard Mix # 1 (500 ug/mL) G3440-85035-1
 Alcohol Calibration Standard Mix # 2 (1000 ug/mL) G3440-85035-2
 Alcohol Calibration Standard Mix # 3 (4000 ug/mL) G3440-85035-3

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

Material uses : Reagents and Standards for Analytical Chemistry Laboratory Use

Alcohol Calibration Standard Mix # 1 (500 ug/mL) 1.2 ml

Alcohol Calibration Standard Mix # 2 (1000 ug/mL) 1.2 ml

Alcohol Calibration Standard Mix # 3 (4000 ug/mL) 1.2 ml

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

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

Section 2. Hazard(s) identification

Classification of the substance or mixture

Not classified.

GHS label elements

Signal word : Alcohol Calibration Standard Mix # 1 (500 ug/mL) No signal word.
 Alcohol Calibration Standard Mix # 2 (1000 ug/mL) No signal word.
 Alcohol Calibration Standard Mix # 3 (4000 ug/mL) No signal word.

Hazard statements : Alcohol Calibration Standard Mix # 1 (500 ug/mL) No known significant effects or critical hazards.
 Alcohol Calibration Standard Mix # 2 (1000 ug/mL) No known significant effects or critical hazards.
 Alcohol Calibration Standard Mix # 3 (4000 ug/mL) No known significant effects or critical hazards.

Precautionary statements

Prevention : Alcohol Calibration Standard Mix # 1 (500 ug/mL) Not applicable.
 Alcohol Calibration Standard Mix # 2 (1000 ug/mL) Not applicable.
 Alcohol Calibration Standard Mix # 3 (4000 ug/mL) Not applicable.

Section 2. Hazard(s) identification

Response	: Alcohol Calibration Standard	Not applicable.
	Mix # 1 (500 ug/mL)	
	Alcohol Calibration Standard	Not applicable.
	Mix # 2 (1000 ug/mL)	
	Alcohol Calibration Standard	Not applicable.
	Mix # 3 (4000 ug/mL)	
Storage	: Alcohol Calibration Standard	Not applicable.
	Mix # 1 (500 ug/mL)	
	Alcohol Calibration Standard	Not applicable.
	Mix # 2 (1000 ug/mL)	
	Alcohol Calibration Standard	Not applicable.
	Mix # 3 (4000 ug/mL)	
Disposal	: Alcohol Calibration Standard	Not applicable.
	Mix # 1 (500 ug/mL)	
	Alcohol Calibration Standard	Not applicable.
	Mix # 2 (1000 ug/mL)	
	Alcohol Calibration Standard	Not applicable.
	Mix # 3 (4000 ug/mL)	
Supplemental label elements		
Additional warning phrases	: Alcohol Calibration Standard	Not applicable.
	Mix # 1 (500 ug/mL)	
	Alcohol Calibration Standard	Not applicable.
	Mix # 2 (1000 ug/mL)	
	Alcohol Calibration Standard	Not applicable.
	Mix # 3 (4000 ug/mL)	
Other hazards which do not result in classification	: Alcohol Calibration Standard	None known.
	Mix # 1 (500 ug/mL)	
	Alcohol Calibration Standard	None known.
	Mix # 2 (1000 ug/mL)	
	Alcohol Calibration Standard	None known.
	Mix # 3 (4000 ug/mL)	

Section 3. Composition and ingredient information

Substance/mixture	: Alcohol Calibration Standard	Mixture
	Mix # 1 (500 ug/mL)	
	Alcohol Calibration Standard	Mixture
	Mix # 2 (1000 ug/mL)	
	Alcohol Calibration Standard	Mixture
	Mix # 3 (4000 ug/mL)	

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	: Alcohol Calibration Standard	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.
	Mix # 1 (500 ug/mL)	
	Alcohol Calibration Standard	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.
	Mix # 2 (1000 ug/mL)	
	Alcohol Calibration Standard	Immediately flush eyes with plenty of water,

Section 4. First aid measures

	Mix # 3 (4000 ug/mL)	occasionally lifting the upper and lower eyelids. Check for and remove any contact lenses. Get medical attention if irritation occurs.
Inhalation	: Alcohol Calibration Standard Mix # 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.
	Alcohol Calibration Standard Mix # 2 (1000 ug/mL)	Remove victim to fresh air and keep at rest in a position comfortable for breathing. Get medical attention if symptoms occur.
	Alcohol Calibration Standard Mix # 3 (4000 ug/mL)	Remove victim to fresh air and keep at rest in a position comfortable for breathing. Get medical attention if symptoms occur.
Skin contact	: Alcohol Calibration Standard Mix # 1 (500 ug/mL)	Flush contaminated skin with plenty of water. Remove contaminated clothing and shoes. Get medical attention if symptoms occur.
	Alcohol Calibration Standard Mix # 2 (1000 ug/mL)	Flush contaminated skin with plenty of water. Remove contaminated clothing and shoes. Get medical attention if symptoms occur.
	Alcohol Calibration Standard Mix # 3 (4000 ug/mL)	Flush contaminated skin with plenty of water. Remove contaminated clothing and shoes. Get medical attention if symptoms occur.
Ingestion	: Alcohol Calibration Standard Mix # 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.
	Alcohol Calibration Standard Mix # 2 (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.
	Alcohol Calibration Standard Mix # 3 (4000 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.

Most important symptoms/effects, acute and delayed

Potential acute health effects

Eye contact	: Alcohol Calibration Standard Mix # 1 (500 ug/mL)	No known significant effects or critical hazards.
	Alcohol Calibration Standard Mix # 2 (1000 ug/mL)	No known significant effects or critical hazards.
	Alcohol Calibration Standard Mix # 3 (4000 ug/mL)	No known significant effects or critical hazards.
Inhalation	: Alcohol Calibration Standard Mix # 1 (500 ug/mL)	No known significant effects or critical hazards.
	Alcohol Calibration Standard Mix # 2 (1000 ug/mL)	No known significant effects or critical hazards.
	Alcohol Calibration Standard Mix # 3 (4000 ug/mL)	No known significant effects or critical hazards.

Section 4. First aid measures

Skin contact	: Alcohol Calibration Standard Mix # 1 (500 ug/mL)	No known significant effects or critical hazards.
	: Alcohol Calibration Standard Mix # 2 (1000 ug/mL)	No known significant effects or critical hazards.
	: Alcohol Calibration Standard Mix # 3 (4000 ug/mL)	No known significant effects or critical hazards.
Ingestion	: Alcohol Calibration Standard Mix # 1 (500 ug/mL)	No known significant effects or critical hazards.
	: Alcohol Calibration Standard Mix # 2 (1000 ug/mL)	No known significant effects or critical hazards.
	: Alcohol Calibration Standard Mix # 3 (4000 ug/mL)	No known significant effects or critical hazards.

Over-exposure signs/symptoms

Eye contact	: Alcohol Calibration Standard Mix # 1 (500 ug/mL)	No specific data.
	: Alcohol Calibration Standard Mix # 2 (1000 ug/mL)	No specific data.
	: Alcohol Calibration Standard Mix # 3 (4000 ug/mL)	No specific data.
Inhalation	: Alcohol Calibration Standard Mix # 1 (500 ug/mL)	No specific data.
	: Alcohol Calibration Standard Mix # 2 (1000 ug/mL)	No specific data.
	: Alcohol Calibration Standard Mix # 3 (4000 ug/mL)	No specific data.
Skin contact	: Alcohol Calibration Standard Mix # 1 (500 ug/mL)	No specific data.
	: Alcohol Calibration Standard Mix # 2 (1000 ug/mL)	No specific data.
	: Alcohol Calibration Standard Mix # 3 (4000 ug/mL)	No specific data.
Ingestion	: Alcohol Calibration Standard Mix # 1 (500 ug/mL)	No specific data.
	: Alcohol Calibration Standard Mix # 2 (1000 ug/mL)	No specific data.
	: Alcohol Calibration Standard Mix # 3 (4000 ug/mL)	No specific data.

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

Notes to physician	: Alcohol Calibration Standard Mix # 1 (500 ug/mL)	Treat symptomatically. Contact poison treatment specialist immediately if large quantities have been ingested or inhaled.
	: Alcohol Calibration Standard Mix # 2 (1000 ug/mL)	Treat symptomatically. Contact poison treatment specialist immediately if large quantities have been ingested or inhaled.
	: Alcohol Calibration Standard Mix # 3 (4000 ug/mL)	Treat symptomatically. Contact poison treatment specialist immediately if large quantities have been ingested or inhaled.
Specific treatments	: Alcohol Calibration Standard Mix # 1 (500 ug/mL)	No specific treatment.
	: Alcohol Calibration Standard Mix # 2 (1000 ug/mL)	No specific treatment.
	: Alcohol Calibration Standard Mix # 3 (4000 ug/mL)	No specific treatment.
Protection of first-aiders	: Alcohol Calibration Standard Mix # 1 (500 ug/mL)	No action shall be taken involving any personal risk or without suitable training.
	: Alcohol Calibration Standard Mix # 2 (1000 ug/mL)	No action shall be taken involving any personal risk or without suitable training.
	: Alcohol Calibration Standard Mix # 3 (4000 ug/mL)	No action shall be taken involving any personal risk or without suitable training.

Section 4. First aid measures

See toxicological information (Section 11)

Section 5. Firefighting measures

Extinguishing media

Suitable extinguishing media	: Alcohol Calibration Standard Mix # 1 (500 ug/mL)	Use an extinguishing agent suitable for the surrounding fire.
	: Alcohol Calibration Standard Mix # 2 (1000 ug/mL)	Use an extinguishing agent suitable for the surrounding fire.
	: Alcohol Calibration Standard Mix # 3 (4000 ug/mL)	Use an extinguishing agent suitable for the surrounding fire.

Unsuitable extinguishing media	: Alcohol Calibration Standard Mix # 1 (500 ug/mL)	None known.
	: Alcohol Calibration Standard Mix # 2 (1000 ug/mL)	None known.
	: Alcohol Calibration Standard Mix # 3 (4000 ug/mL)	None known.

Specific hazards arising from the chemical	: Alcohol Calibration Standard Mix # 1 (500 ug/mL)	In a fire or if heated, a pressure increase will occur and the container may burst.
	: Alcohol Calibration Standard Mix # 2 (1000 ug/mL)	In a fire or if heated, a pressure increase will occur and the container may burst.
	: Alcohol Calibration Standard Mix # 3 (4000 ug/mL)	In a fire or if heated, a pressure increase will occur and the container may burst.

Hazardous thermal decomposition products	: Alcohol Calibration Standard Mix # 1 (500 ug/mL)	No specific data.
	: Alcohol Calibration Standard Mix # 2 (1000 ug/mL)	No specific data.
	: Alcohol Calibration Standard Mix # 3 (4000 ug/mL)	No specific data.

Special protective actions for fire-fighters	: Alcohol Calibration Standard Mix # 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.
	: Alcohol Calibration Standard Mix # 2 (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.
	: Alcohol Calibration Standard Mix # 3 (4000 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.

Special protective equipment for fire-fighters	: Alcohol Calibration Standard Mix # 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.
	: Alcohol Calibration Standard Mix # 2 (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.
	: Alcohol Calibration Standard Mix # 3 (4000 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

For non-emergency personnel	: Alcohol Calibration Standard Mix # 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.
	Alcohol Calibration Standard Mix # 2 (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.
	Alcohol Calibration Standard Mix # 3 (4000 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.
For emergency responders	: Alcohol Calibration Standard Mix # 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".
	Alcohol Calibration Standard Mix # 2 (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".
	Alcohol Calibration Standard Mix # 3 (4000 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".
Environmental precautions	: Alcohol Calibration Standard Mix # 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).
	Alcohol Calibration Standard Mix # 2 (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).
	Alcohol Calibration Standard Mix # 3 (4000 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

Methods for cleaning up	: Alcohol Calibration Standard Mix # 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.
	Alcohol Calibration Standard Mix # 2 (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.

Section 6. Accidental release measures

Alcohol Calibration Standard Mix # 3 (4000 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.
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Section 7. Handling and storage

Precautions for safe handling

Protective measures	: Alcohol Calibration Standard Mix # 1 (500 ug/mL)	Put on appropriate personal protective equipment (see Section 8).
	Alcohol Calibration Standard Mix # 2 (1000 ug/mL)	Put on appropriate personal protective equipment (see Section 8).
	Alcohol Calibration Standard Mix # 3 (4000 ug/mL)	Put on appropriate personal protective equipment (see Section 8).
Advice on general occupational hygiene	: Alcohol Calibration Standard Mix # 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.
	Alcohol Calibration Standard Mix # 2 (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 before entering eating areas. See also Section 8 for additional information on hygiene measures.
	Alcohol Calibration Standard Mix # 3 (4000 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.
Conditions for safe storage, including any incompatibilities	: <input checked="" type="checkbox"/> Alcohol Calibration Standard Mix # 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.
	Alcohol Calibration Standard Mix # 2 (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.
	Alcohol Calibration Standard Mix # 3 (4000 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

Section 7. Handling and storage

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 : Alcohol Calibration Standard Liquid. [Clear.]
 Mix # 1 (500 ug/mL)
 Alcohol Calibration Standard Liquid. [Clear.]
 Mix # 2 (1000 ug/mL)
 Alcohol Calibration Standard Liquid. [Clear.]
 Mix # 3 (4000 ug/mL)

Section 9. Physical and chemical properties

Colour	:	Alcohol Calibration Standard	Colourless.
		Mix # 1 (500 ug/mL)	
		Alcohol Calibration Standard	Colourless.
		Mix # 2 (1000 ug/mL)	
		Alcohol Calibration Standard	Colourless.
		Mix # 3 (4000 ug/mL)	
Odour	:	Alcohol Calibration Standard	Sweetish. / Ethereal. / Unpleasant.
		Mix # 1 (500 ug/mL)	
		Alcohol Calibration Standard	Sweetish. / Ethereal. / Unpleasant.
		Mix # 2 (1000 ug/mL)	
		Alcohol Calibration Standard	Sweetish. / Ethereal. / Unpleasant.
		Mix # 3 (4000 ug/mL)	
Odour threshold	:	Alcohol Calibration Standard	Not available.
		Mix # 1 (500 ug/mL)	
		Alcohol Calibration Standard	Not available.
		Mix # 2 (1000 ug/mL)	
		Alcohol Calibration Standard	Not available.
		Mix # 3 (4000 ug/mL)	
pH	:	Alcohol Calibration Standard	Not available.
		Mix # 1 (500 ug/mL)	
		Alcohol Calibration Standard	Not available.
		Mix # 2 (1000 ug/mL)	
		Alcohol Calibration Standard	Not available.
		Mix # 3 (4000 ug/mL)	
Melting point	:	Alcohol Calibration Standard	0°C (32°F)
		Mix # 1 (500 ug/mL)	
		Alcohol Calibration Standard	0°C (32°F)
		Mix # 2 (1000 ug/mL)	
		Alcohol Calibration Standard	0°C (32°F)
		Mix # 3 (4000 ug/mL)	
Boiling point	:	Alcohol Calibration Standard	100°C (212°F)
		Mix # 1 (500 ug/mL)	
		Alcohol Calibration Standard	100°C (212°F)
		Mix # 2 (1000 ug/mL)	
		Alcohol Calibration Standard	100°C (212°F)
		Mix # 3 (4000 ug/mL)	
Flash point	:	Alcohol Calibration Standard	Not available.
		Mix # 1 (500 ug/mL)	
		Alcohol Calibration Standard	Not available.
		Mix # 2 (1000 ug/mL)	
		Alcohol Calibration Standard	Not available.
		Mix # 3 (4000 ug/mL)	
Evaporation rate	:	Alcohol Calibration Standard	Not available.
		Mix # 1 (500 ug/mL)	
		Alcohol Calibration Standard	Not available.
		Mix # 2 (1000 ug/mL)	
		Alcohol Calibration Standard	Not available.
		Mix # 3 (4000 ug/mL)	
Flammability (solid, gas)	:	Alcohol Calibration Standard	Not applicable.
		Mix # 1 (500 ug/mL)	
		Alcohol Calibration Standard	Not applicable.
		Mix # 2 (1000 ug/mL)	
		Alcohol Calibration Standard	Not applicable.
		Mix # 3 (4000 ug/mL)	
Lower and upper explosive (flammable) limits	:	Alcohol Calibration Standard	Not available.
		Mix # 1 (500 ug/mL)	
		Alcohol Calibration Standard	Not available.
		Mix # 2 (1000 ug/mL)	
		Alcohol Calibration Standard	Not available.
		Mix # 3 (4000 ug/mL)	

Section 9. Physical and chemical properties

Vapour pressure	:	Alcohol Calibration Standard Mix # 1 (500 ug/mL)	Not available.
		Alcohol Calibration Standard Mix # 2 (1000 ug/mL)	Not available.
		Alcohol Calibration Standard Mix # 3 (4000 ug/mL)	Not available.
Vapour density	:	Alcohol Calibration Standard Mix # 1 (500 ug/mL)	Not available.
		Alcohol Calibration Standard Mix # 2 (1000 ug/mL)	Not available.
		Alcohol Calibration Standard Mix # 3 (4000 ug/mL)	Not available.
Relative density	:	Alcohol Calibration Standard Mix # 1 (500 ug/mL)	Not available.
		Alcohol Calibration Standard Mix # 2 (1000 ug/mL)	Not available.
		Alcohol Calibration Standard Mix # 3 (4000 ug/mL)	Not available.
Solubility	:	Alcohol Calibration Standard Mix # 1 (500 ug/mL)	Easily soluble in the following materials: cold water and hot water.
		Alcohol Calibration Standard Mix # 2 (1000 ug/mL)	Easily soluble in the following materials: cold water and hot water.
		Alcohol Calibration Standard Mix # 3 (4000 ug/mL)	Easily soluble in the following materials: cold water and hot water.
Partition coefficient: n-octanol/water	:	Alcohol Calibration Standard Mix # 1 (500 ug/mL)	Not available.
		Alcohol Calibration Standard Mix # 2 (1000 ug/mL)	Not available.
		Alcohol Calibration Standard Mix # 3 (4000 ug/mL)	Not available.
Auto-ignition temperature	:	Alcohol Calibration Standard Mix # 1 (500 ug/mL)	Not available.
		Alcohol Calibration Standard Mix # 2 (1000 ug/mL)	Not available.
		Alcohol Calibration Standard Mix # 3 (4000 ug/mL)	Not available.
Decomposition temperature	:	Alcohol Calibration Standard Mix # 1 (500 ug/mL)	Not available.
		Alcohol Calibration Standard Mix # 2 (1000 ug/mL)	Not available.
		Alcohol Calibration Standard Mix # 3 (4000 ug/mL)	Not available.
Viscosity	:	Alcohol Calibration Standard Mix # 1 (500 ug/mL)	Not available.
		Alcohol Calibration Standard Mix # 2 (1000 ug/mL)	Not available.
		Alcohol Calibration Standard Mix # 3 (4000 ug/mL)	Not available.

Section 10. Stability and reactivity

Reactivity	:	Alcohol Calibration Standard Mix # 1 (500 ug/mL)	No specific test data related to reactivity available for this product or its ingredients.
		Alcohol Calibration Standard Mix # 2 (1000 ug/mL)	No specific test data related to reactivity available for this product or its ingredients.
		Alcohol Calibration Standard Mix # 3 (4000 ug/mL)	No specific test data related to reactivity available for this product or its ingredients.

Section 10. Stability and reactivity

Chemical stability	: Alcohol Calibration Standard Mix # 1 (500 ug/mL)	The product is stable.
	: Alcohol Calibration Standard Mix # 2 (1000 ug/mL)	The product is stable.
	: Alcohol Calibration Standard Mix # 3 (4000 ug/mL)	The product is stable.
Possibility of hazardous reactions	: Alcohol Calibration Standard Mix # 1 (500 ug/mL)	Under normal conditions of storage and use, hazardous reactions will not occur.
	: Alcohol Calibration Standard Mix # 2 (1000 ug/mL)	Under normal conditions of storage and use, hazardous reactions will not occur.
	: Alcohol Calibration Standard Mix # 3 (4000 ug/mL)	Under normal conditions of storage and use, hazardous reactions will not occur.
Conditions to avoid	: Alcohol Calibration Standard Mix # 1 (500 ug/mL)	No specific data.
	: Alcohol Calibration Standard Mix # 2 (1000 ug/mL)	No specific data.
	: Alcohol Calibration Standard Mix # 3 (4000 ug/mL)	No specific data.
Incompatible materials	: Alcohol Calibration Standard Mix # 1 (500 ug/mL)	May react or be incompatible with oxidising materials.
	: Alcohol Calibration Standard Mix # 2 (1000 ug/mL)	May react or be incompatible with oxidising materials.
	: Alcohol Calibration Standard Mix # 3 (4000 ug/mL)	May react or be incompatible with oxidising materials.
Hazardous decomposition products	: Alcohol Calibration Standard Mix # 1 (500 ug/mL)	Under normal conditions of storage and use, hazardous decomposition products should not be produced.
	: Alcohol Calibration Standard Mix # 2 (1000 ug/mL)	Under normal conditions of storage and use, hazardous decomposition products should not be produced.
	: Alcohol Calibration Standard Mix # 3 (4000 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)

Section 11. Toxicological information

Not available.

Specific target organ toxicity (repeated exposure)

Not available.

Aspiration hazard

Not available.

Information on likely routes of exposure	: Alcohol Calibration Standard Mix # 1 (500 ug/mL)	Routes of entry anticipated: Oral, Dermal, Inhalation.
	: Alcohol Calibration Standard Mix # 2 (1000 ug/mL)	Routes of entry anticipated: Oral, Dermal, Inhalation.
	: Alcohol Calibration Standard Mix # 3 (4000 ug/mL)	Routes of entry anticipated: Oral, Dermal, Inhalation.

Potential acute health effects

Eye contact	: Alcohol Calibration Standard Mix # 1 (500 ug/mL)	No known significant effects or critical hazards.
	: Alcohol Calibration Standard Mix # 2 (1000 ug/mL)	No known significant effects or critical hazards.
	: Alcohol Calibration Standard Mix # 3 (4000 ug/mL)	No known significant effects or critical hazards.
Inhalation	: Alcohol Calibration Standard Mix # 1 (500 ug/mL)	No known significant effects or critical hazards.
	: Alcohol Calibration Standard Mix # 2 (1000 ug/mL)	No known significant effects or critical hazards.
	: Alcohol Calibration Standard Mix # 3 (4000 ug/mL)	No known significant effects or critical hazards.
Skin contact	: Alcohol Calibration Standard Mix # 1 (500 ug/mL)	No known significant effects or critical hazards.
	: Alcohol Calibration Standard Mix # 2 (1000 ug/mL)	No known significant effects or critical hazards.
	: Alcohol Calibration Standard Mix # 3 (4000 ug/mL)	No known significant effects or critical hazards.
Ingestion	: Alcohol Calibration Standard Mix # 1 (500 ug/mL)	No known significant effects or critical hazards.
	: Alcohol Calibration Standard Mix # 2 (1000 ug/mL)	No known significant effects or critical hazards.
	: Alcohol Calibration Standard Mix # 3 (4000 ug/mL)	No known significant effects or critical hazards.

Symptoms related to the physical, chemical and toxicological characteristics

Eye contact	: Alcohol Calibration Standard Mix # 1 (500 ug/mL)	No specific data.
	: Alcohol Calibration Standard Mix # 2 (1000 ug/mL)	No specific data.
	: Alcohol Calibration Standard Mix # 3 (4000 ug/mL)	No specific data.
Inhalation	: Alcohol Calibration Standard Mix # 1 (500 ug/mL)	No specific data.
	: Alcohol Calibration Standard Mix # 2 (1000 ug/mL)	No specific data.
	: Alcohol Calibration Standard Mix # 3 (4000 ug/mL)	No specific data.
Skin contact	: Alcohol Calibration Standard Mix # 1 (500 ug/mL)	No specific data.
	: Alcohol Calibration Standard Mix # 2 (1000 ug/mL)	No specific data.
	: Alcohol Calibration Standard Mix # 3 (4000 ug/mL)	No specific data.

Section 11. Toxicological information

Ingestion	: Alcohol Calibration Standard	No specific data.
	Mix # 1 (500 ug/mL)	
	Alcohol Calibration Standard	No specific data.
	Mix # 2 (1000 ug/mL)	
	Alcohol Calibration Standard	No specific data.
	Mix # 3 (4000 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 : Alcohol Calibration Standard No known significant effects or critical hazards.
 Mix # 1 (500 ug/mL)
 Alcohol Calibration Standard No known significant effects or critical hazards.
 Mix # 2 (1000 ug/mL)
 Alcohol Calibration Standard No known significant effects or critical hazards.
 Mix # 3 (4000 ug/mL)

Carcinogenicity : Alcohol Calibration Standard No known significant effects or critical hazards.
 Mix # 1 (500 ug/mL)
 Alcohol Calibration Standard No known significant effects or critical hazards.
 Mix # 2 (1000 ug/mL)
 Alcohol Calibration Standard No known significant effects or critical hazards.
 Mix # 3 (4000 ug/mL)

Mutagenicity : Alcohol Calibration Standard No known significant effects or critical hazards.
 Mix # 1 (500 ug/mL)
 Alcohol Calibration Standard No known significant effects or critical hazards.
 Mix # 2 (1000 ug/mL)
 Alcohol Calibration Standard No known significant effects or critical hazards.
 Mix # 3 (4000 ug/mL)

Teratogenicity : Alcohol Calibration Standard No known significant effects or critical hazards.
 Mix # 1 (500 ug/mL)
 Alcohol Calibration Standard No known significant effects or critical hazards.
 Mix # 2 (1000 ug/mL)
 Alcohol Calibration Standard No known significant effects or critical hazards.
 Mix # 3 (4000 ug/mL)

Developmental effects : Alcohol Calibration Standard No known significant effects or critical hazards.
 Mix # 1 (500 ug/mL)
 Alcohol Calibration Standard No known significant effects or critical hazards.
 Mix # 2 (1000 ug/mL)
 Alcohol Calibration Standard No known significant effects or critical hazards.
 Mix # 3 (4000 ug/mL)

Fertility effects : Alcohol Calibration Standard No known significant effects or critical hazards.
 Mix # 1 (500 ug/mL)
 Alcohol Calibration Standard No known significant effects or critical hazards.
 Mix # 2 (1000 ug/mL)
 Alcohol Calibration Standard No known significant effects or critical hazards.
 Mix # 3 (4000 ug/mL)

Numerical measures of toxicity

Acute toxicity estimates

Not available.

Section 11. Toxicological information

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

<u>Ingredient name</u>	<u>Schedule</u>
Alcohol Calibration Standard Mix # 3 (4000 ug/mL) methanol	Restricted hazardous chemical [For spray painting if the substance contains more than 1% by volume]

Section 15. Regulatory information

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

Section 16. Any other relevant information

Classification	Justification
Not classified.	

References : Not available.

✔ Indicates information that has changed from previously issued version.

Notice to reader

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