Conforms to Code of Practice for the Preparation of Safety Data Sheets for Hazardous Chemicals

SAFETY DATA SHEET

Agilent Technologies

LC - MS Caffeine Standards Kit, Part Number 8500-6917

Section 1. Identification

Product identifier : LC - MS Caffeine Standards Kit, Part Number 8500-6917

Part no. (chemical kit) : 8500-6917

Part no. :

Caffeine Standard #1 (0.5 µg/mL)	8500-6917-1
Caffeine Standard #2 (1 µg/mL)	8500-6917-2
Caffeine Standard #3 (5 µg/mL)	8500-6917-3
Caffeine Standard #4 (25 µg/mL)	8500-6917-4
Caffeine Standard #5 (50 µg/mL)	8500-6917-5

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

Material uses : Reagents and Standards for Analytical Chemistry Laboratory Use

Caffeine Standard #1 (0.5 µg/mL)	5 ml
Caffeine Standard #2 (1 µg/mL)	5 ml
Caffeine Standard #3 (5 µg/mL)	5 ml
Caffeine Standard #4 (25 µg/mL)	5 ml
Caffeine Standard #5 (50 µg/mL)	5 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 :

Caffeine Standard #1 (0.5 µg/mL)	No signal word.
Caffeine Standard #2 (1 µg/mL)	No signal word.
Caffeine Standard #3 (5 µg/mL)	No signal word.
Caffeine Standard #4 (25 µg/mL)	No signal word.
Caffeine Standard #5 (50 µg/mL)	No signal word.

Hazard statements :

Caffeine Standard #1 (0.5 µg/mL)	No known significant effects or critical hazards.
Caffeine Standard #2 (1 µg/mL)	No known significant effects or critical hazards.
Caffeine Standard #3 (5 µg/mL)	No known significant effects or critical hazards.
Caffeine Standard #4 (25 µg/mL)	No known significant effects or critical hazards.
Caffeine Standard #5 (50 µg/mL)	No known significant effects or critical hazards.

Precautionary statements

Section 2. Hazard(s) identification

Prevention :

Caffeine Standard #1 (0.5 µg/mL)	Not applicable.
Caffeine Standard #2 (1 µg/mL)	Not applicable.
Caffeine Standard #3 (5 µg/mL)	Not applicable.
Caffeine Standard #4 (25 µg/mL)	Not applicable.
Caffeine Standard #5 (50 µg/mL)	Not applicable.

Response :

Caffeine Standard #1 (0.5 µg/mL)	Not applicable.
Caffeine Standard #2 (1 µg/mL)	Not applicable.
Caffeine Standard #3 (5 µg/mL)	Not applicable.
Caffeine Standard #4 (25 µg/mL)	Not applicable.
Caffeine Standard #5 (50 µg/mL)	Not applicable.

Storage :

Caffeine Standard #1 (0.5 µg/mL)	Not applicable.
Caffeine Standard #2 (1 µg/mL)	Not applicable.
Caffeine Standard #3 (5 µg/mL)	Not applicable.
Caffeine Standard #4 (25 µg/mL)	Not applicable.
Caffeine Standard #5 (50 µg/mL)	Not applicable.

Disposal :

Caffeine Standard #1 (0.5 µg/mL)	Not applicable.
Caffeine Standard #2 (1 µg/mL)	Not applicable.
Caffeine Standard #3 (5 µg/mL)	Not applicable.
Caffeine Standard #4 (25 µg/mL)	Not applicable.
Caffeine Standard #5 (50 µg/mL)	Not applicable.

Supplemental label elements

Additional warning phrases :

Caffeine Standard #1 (0.5 µg/mL)	Not applicable.
Caffeine Standard #2 (1 µg/mL)	Not applicable.
Caffeine Standard #3 (5 µg/mL)	Not applicable.
Caffeine Standard #4 (25 µg/mL)	Not applicable.
Caffeine Standard #5 (50 µg/mL)	Not applicable.

Other hazards which do not result in classification :

Caffeine Standard #1 (0.5 µg/mL)	None known.
Caffeine Standard #2 (1 µg/mL)	None known.
Caffeine Standard #3 (5 µg/mL)	None known.
Caffeine Standard #4 (25 µg/mL)	None known.

Section 2. Hazard(s) identification

Caffeine Standard #5 (50 µg/ mL)	None known.

Section 3. Composition and ingredient information

Substance/mixture :

Caffeine Standard #1 (0.5 µg/ mL)	Mixture
Caffeine Standard #2 (1 µg/ mL)	Mixture
Caffeine Standard #3 (5 µg/ mL)	Mixture
Caffeine Standard #4 (25 µg/ mL)	Mixture
Caffeine Standard #5 (50 µg/ 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 :

Caffeine Standard #1 (0.5 µg/ 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.
Caffeine Standard #2 (1 µg/ 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.
Caffeine Standard #3 (5 µg/ 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.
Caffeine Standard #4 (25 µg/ 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.
Caffeine Standard #5 (50 µg/ 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.

Inhalation :

Caffeine Standard #1 (0.5 µg/ mL)	Remove victim to fresh air and keep at rest in a position comfortable for breathing. Get medical attention if symptoms occur.
Caffeine Standard #2 (1 µg/ mL)	Remove victim to fresh air and keep at rest in a position comfortable for breathing. Get medical attention if symptoms occur.
Caffeine Standard #3 (5 µg/ mL)	Remove victim to fresh air and keep at rest in a position comfortable for breathing. Get medical attention if symptoms occur.
Caffeine Standard #4 (25 µg/ mL)	Remove victim to fresh air and keep at rest in a position comfortable for breathing. Get medical attention if symptoms occur.
Caffeine Standard #5 (50 µg/ mL)	Remove victim to fresh air and keep at rest in a position comfortable for breathing. Get medical attention if symptoms occur.

Section 4. First aid measures

Skin contact :

Caffeine Standard #1 (0.5 µg/mL)	Flush contaminated skin with plenty of water. Remove contaminated clothing and shoes. Get medical attention if symptoms occur.
Caffeine Standard #2 (1 µg/mL)	Flush contaminated skin with plenty of water. Remove contaminated clothing and shoes. Get medical attention if symptoms occur.
Caffeine Standard #3 (5 µg/mL)	Flush contaminated skin with plenty of water. Remove contaminated clothing and shoes. Get medical attention if symptoms occur.
Caffeine Standard #4 (25 µg/mL)	Flush contaminated skin with plenty of water. Remove contaminated clothing and shoes. Get medical attention if symptoms occur.
Caffeine Standard #5 (50 µg/mL)	Flush contaminated skin with plenty of water. Remove contaminated clothing and shoes. Get medical attention if symptoms occur.

Ingestion :

Caffeine Standard #1 (0.5 µg/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.
Caffeine Standard #2 (1 µg/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.
Caffeine Standard #3 (5 µg/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.
Caffeine Standard #4 (25 µg/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.
Caffeine Standard #5 (50 µg/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 :

Caffeine Standard #1 (0.5 µg/mL)	No known significant effects or critical hazards.
Caffeine Standard #2 (1 µg/mL)	No known significant effects or critical hazards.
Caffeine Standard #3 (5 µg/mL)	No known significant effects or critical hazards.
Caffeine Standard #4 (25 µg/mL)	No known significant effects or critical hazards.
Caffeine Standard #5 (50 µg/	No known significant effects or critical hazards.

Section 4. First aid measures

mL)

Inhalation :

Caffeine Standard #1 (0.5 µg/mL)	No known significant effects or critical hazards.
Caffeine Standard #2 (1 µg/mL)	No known significant effects or critical hazards.
Caffeine Standard #3 (5 µg/mL)	No known significant effects or critical hazards.
Caffeine Standard #4 (25 µg/mL)	No known significant effects or critical hazards.
Caffeine Standard #5 (50 µg/mL)	No known significant effects or critical hazards.

Skin contact :

Caffeine Standard #1 (0.5 µg/mL)	No known significant effects or critical hazards.
Caffeine Standard #2 (1 µg/mL)	No known significant effects or critical hazards.
Caffeine Standard #3 (5 µg/mL)	No known significant effects or critical hazards.
Caffeine Standard #4 (25 µg/mL)	No known significant effects or critical hazards.
Caffeine Standard #5 (50 µg/mL)	No known significant effects or critical hazards.

Ingestion :

Caffeine Standard #1 (0.5 µg/mL)	No known significant effects or critical hazards.
Caffeine Standard #2 (1 µg/mL)	No known significant effects or critical hazards.
Caffeine Standard #3 (5 µg/mL)	No known significant effects or critical hazards.
Caffeine Standard #4 (25 µg/mL)	No known significant effects or critical hazards.
Caffeine Standard #5 (50 µg/mL)	No known significant effects or critical hazards.

Over-exposure signs/symptoms

Eye contact :

Caffeine Standard #1 (0.5 µg/mL)	No specific data.
Caffeine Standard #2 (1 µg/mL)	No specific data.
Caffeine Standard #3 (5 µg/mL)	No specific data.
Caffeine Standard #4 (25 µg/mL)	No specific data.
Caffeine Standard #5 (50 µg/mL)	No specific data.

Inhalation :

Caffeine Standard #1 (0.5 µg/mL)	No specific data.
Caffeine Standard #2 (1 µg/mL)	No specific data.
Caffeine Standard #3 (5 µg/mL)	No specific data.
Caffeine Standard #4 (25 µg/mL)	No specific data.
Caffeine Standard #5 (50 µg/mL)	No specific data.

Skin contact :

Caffeine Standard #1 (0.5 µg/mL)	No specific data.
Caffeine Standard #2 (1 µg/mL)	No specific data.
Caffeine Standard #3 (5 µg/mL)	No specific data.
Caffeine Standard #4 (25 µg/mL)	No specific data.
Caffeine Standard #5 (50 µg/mL)	No specific data.

Section 4. First aid measures

Ingestion :

Caffeine Standard #1 (0.5 µg/mL)	No specific data.
Caffeine Standard #2 (1 µg/mL)	No specific data.
Caffeine Standard #3 (5 µg/mL)	No specific data.
Caffeine Standard #4 (25 µg/mL)	No specific data.
Caffeine Standard #5 (50 µg/mL)	No specific data.

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

Notes to physician :

Caffeine Standard #1 (0.5 µg/mL)	Treat symptomatically. Contact poison treatment specialist immediately if large quantities have been ingested or inhaled.
Caffeine Standard #2 (1 µg/mL)	Treat symptomatically. Contact poison treatment specialist immediately if large quantities have been ingested or inhaled.
Caffeine Standard #3 (5 µg/mL)	Treat symptomatically. Contact poison treatment specialist immediately if large quantities have been ingested or inhaled.
Caffeine Standard #4 (25 µg/mL)	Treat symptomatically. Contact poison treatment specialist immediately if large quantities have been ingested or inhaled.
Caffeine Standard #5 (50 µg/mL)	Treat symptomatically. Contact poison treatment specialist immediately if large quantities have been ingested or inhaled.

Specific treatments :

Caffeine Standard #1 (0.5 µg/mL)	No specific treatment.
Caffeine Standard #2 (1 µg/mL)	No specific treatment.
Caffeine Standard #3 (5 µg/mL)	No specific treatment.
Caffeine Standard #4 (25 µg/mL)	No specific treatment.
Caffeine Standard #5 (50 µg/mL)	No specific treatment.

Protection of first-aiders :

Caffeine Standard #1 (0.5 µg/mL)	No action shall be taken involving any personal risk or without suitable training.
Caffeine Standard #2 (1 µg/mL)	No action shall be taken involving any personal risk or without suitable training.
Caffeine Standard #3 (5 µg/mL)	No action shall be taken involving any personal risk or without suitable training.
Caffeine Standard #4 (25 µg/mL)	No action shall be taken involving any personal risk or without suitable training.
Caffeine Standard #5 (50 µg/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

Suitable extinguishing media :

Caffeine Standard #1 (0.5 µg/mL)	Use an extinguishing agent suitable for the surrounding fire.
Caffeine Standard #2 (1 µg/mL)	Use an extinguishing agent suitable for the surrounding fire.
Caffeine Standard #3 (5 µg/mL)	Use an extinguishing agent suitable for the surrounding fire.
Caffeine Standard #4 (25 µg/mL)	Use an extinguishing agent suitable for the surrounding fire.
Caffeine Standard #5 (50 µg/	Use an extinguishing agent suitable for the

Section 5. Firefighting measures

		mL)	surrounding fire.
Unsuitable extinguishing media	:	Caffeine Standard #1 (0.5 µg/mL)	None known.
		Caffeine Standard #2 (1 µg/mL)	None known.
		Caffeine Standard #3 (5 µg/mL)	None known.
		Caffeine Standard #4 (25 µg/mL)	None known.
		Caffeine Standard #5 (50 µg/mL)	None known.
Specific hazards arising from the chemical	:	Caffeine Standard #1 (0.5 µg/mL)	In a fire or if heated, a pressure increase will occur and the container may burst.
		Caffeine Standard #2 (1 µg/mL)	In a fire or if heated, a pressure increase will occur and the container may burst.
		Caffeine Standard #3 (5 µg/mL)	In a fire or if heated, a pressure increase will occur and the container may burst.
		Caffeine Standard #4 (25 µg/mL)	In a fire or if heated, a pressure increase will occur and the container may burst.
		Caffeine Standard #5 (50 µg/mL)	In a fire or if heated, a pressure increase will occur and the container may burst.
Hazardous thermal decomposition products	:	Caffeine Standard #1 (0.5 µg/mL)	No specific data.
		Caffeine Standard #2 (1 µg/mL)	No specific data.
		Caffeine Standard #3 (5 µg/mL)	No specific data.
		Caffeine Standard #4 (25 µg/mL)	No specific data.
		Caffeine Standard #5 (50 µg/mL)	No specific data.
Special protective actions for fire-fighters	:	Caffeine Standard #1 (0.5 µg/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.
		Caffeine Standard #2 (1 µg/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.
		Caffeine Standard #3 (5 µg/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.
		Caffeine Standard #4 (25 µg/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.
		Caffeine Standard #5 (50 µg/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	:	Caffeine Standard #1 (0.5 µg/mL)	Fire-fighters should wear appropriate protective equipment and self-contained breathing apparatus (SCBA) with a full face-piece operated in positive pressure mode.
		Caffeine Standard #2 (1 µg/mL)	Fire-fighters should wear appropriate protective equipment and self-contained breathing apparatus (SCBA) with a full face-piece operated in positive pressure mode.
		Caffeine Standard #3 (5 µg/	Fire-fighters should wear appropriate protective

Section 5. Firefighting measures

mL)	equipment and self-contained breathing apparatus (SCBA) with a full face-piece operated in positive pressure mode.
Caffeine Standard #4 (25 µg/mL)	Fire-fighters should wear appropriate protective equipment and self-contained breathing apparatus (SCBA) with a full face-piece operated in positive pressure mode.
Caffeine Standard #5 (50 µg/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 :

Caffeine Standard #1 (0.5 µg/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.
Caffeine Standard #2 (1 µg/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.
Caffeine Standard #3 (5 µg/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.
Caffeine Standard #4 (25 µg/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.
Caffeine Standard #5 (50 µg/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 :

Caffeine Standard #1 (0.5 µg/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".
Caffeine Standard #2 (1 µg/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".
Caffeine Standard #3 (5 µg/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".
Caffeine Standard #4 (25 µg/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".
Caffeine Standard #5 (50 µg/mL)	If specialised clothing is required to deal with the spillage, take note of any information in Section 8 on

Section 6. Accidental release measures

suitable and unsuitable materials. See also the information in "For non-emergency personnel".

Environmental precautions :

Caffeine Standard #1 (0.5 µg/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).
Caffeine Standard #2 (1 µg/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).
Caffeine Standard #3 (5 µg/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).
Caffeine Standard #4 (25 µg/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).
Caffeine Standard #5 (50 µg/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 :

Caffeine Standard #1 (0.5 µg/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.
Caffeine Standard #2 (1 µg/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.
Caffeine Standard #3 (5 µg/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.
Caffeine Standard #4 (25 µg/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.
Caffeine Standard #5 (50 µg/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

Protective measures :

Caffeine Standard #1 (0.5 µg/mL)	Put on appropriate personal protective equipment (see Section 8).
Caffeine Standard #2 (1 µg/mL)	Put on appropriate personal protective equipment (see Section 8).
Caffeine Standard #3 (5 µg/mL)	Put on appropriate personal protective equipment (see Section 8).
Caffeine Standard #4 (25 µg/mL)	Put on appropriate personal protective equipment (see Section 8).
Caffeine Standard #5 (50 µg/mL)	Put on appropriate personal protective equipment (see Section 8).

Advice on general occupational hygiene :

Caffeine Standard #1 (0.5 µg/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.
Caffeine Standard #2 (1 µg/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.
Caffeine Standard #3 (5 µg/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.
Caffeine Standard #4 (25 µg/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.
Caffeine Standard #5 (50 µg/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 :

Caffeine Standard #1 (0.5 µg/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.
Caffeine Standard #2 (1 µg/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

Section 7. Handling and storage

	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.
Caffeine Standard #3 (5 µg/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.
Caffeine Standard #4 (25 µg/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.
Caffeine Standard #5 (50 µg/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.

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.

Section 8. Exposure controls and personal protection

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 :
Caffeine Standard #1 (0.5 µg/mL) Liquid.
Caffeine Standard #2 (1 µg/mL) Liquid.
Caffeine Standard #3 (5 µg/mL) Liquid.
Caffeine Standard #4 (25 µg/mL) Liquid.
Caffeine Standard #5 (50 µg/mL) Liquid.

Colour :
Caffeine Standard #1 (0.5 µg/mL) Not available.
Caffeine Standard #2 (1 µg/mL) Not available.
Caffeine Standard #3 (5 µg/mL) Not available.
Caffeine Standard #4 (25 µg/mL) Not available.
Caffeine Standard #5 (50 µg/mL) Not available.

Odour :
Caffeine Standard #1 (0.5 µg/mL) Not available.
Caffeine Standard #2 (1 µg/mL) Not available.
Caffeine Standard #3 (5 µg/mL) Not available.
Caffeine Standard #4 (25 µg/mL) Not available.
Caffeine Standard #5 (50 µg/mL) Not available.

Odour threshold :
Caffeine Standard #1 (0.5 µg/mL) Not available.
Caffeine Standard #2 (1 µg/mL) Not available.
Caffeine Standard #3 (5 µg/mL) Not available.
Caffeine Standard #4 (25 µg/mL) Not available.

Section 9. Physical and chemical properties

		Caffeine Standard #5 (50 µg/mL)	Not available.
pH	:	Caffeine Standard #1 (0.5 µg/mL)	Not available.
		Caffeine Standard #2 (1 µg/mL)	Not available.
		Caffeine Standard #3 (5 µg/mL)	Not available.
		Caffeine Standard #4 (25 µg/mL)	Not available.
		Caffeine Standard #5 (50 µg/mL)	Not available.
Melting point	:	Caffeine Standard #1 (0.5 µg/mL)	0°C (32°F)
		Caffeine Standard #2 (1 µg/mL)	0°C (32°F)
		Caffeine Standard #3 (5 µg/mL)	0°C (32°F)
		Caffeine Standard #4 (25 µg/mL)	0°C (32°F)
		Caffeine Standard #5 (50 µg/mL)	0°C (32°F)
Boiling point	:	Caffeine Standard #1 (0.5 µg/mL)	100°C (212°F)
		Caffeine Standard #2 (1 µg/mL)	100°C (212°F)
		Caffeine Standard #3 (5 µg/mL)	100°C (212°F)
		Caffeine Standard #4 (25 µg/mL)	100°C (212°F)
		Caffeine Standard #5 (50 µg/mL)	100°C (212°F)
Flash point	:	Caffeine Standard #1 (0.5 µg/mL)	Not available.
		Caffeine Standard #2 (1 µg/mL)	Not available.
		Caffeine Standard #3 (5 µg/mL)	Not available.
		Caffeine Standard #4 (25 µg/mL)	Not available.
		Caffeine Standard #5 (50 µg/mL)	Not available.
Evaporation rate	:	Caffeine Standard #1 (0.5 µg/mL)	Not available.
		Caffeine Standard #2 (1 µg/mL)	Not available.
		Caffeine Standard #3 (5 µg/mL)	Not available.
		Caffeine Standard #4 (25 µg/mL)	Not available.
		Caffeine Standard #5 (50 µg/mL)	Not available.
Flammability (solid, gas)	:	Caffeine Standard #1 (0.5 µg/mL)	Not applicable.
		Caffeine Standard #2 (1 µg/mL)	Not applicable.
		Caffeine Standard #3 (5 µg/mL)	Not applicable.
		Caffeine Standard #4 (25 µg/mL)	Not applicable.
		Caffeine Standard #5 (50 µg/mL)	Not applicable.

Section 9. Physical and chemical properties

Lower and upper explosive (flammable) limits	:	Caffeine Standard #1 (0.5 µg/mL)	Not available.
		Caffeine Standard #2 (1 µg/mL)	Not available.
		Caffeine Standard #3 (5 µg/mL)	Not available.
		Caffeine Standard #4 (25 µg/mL)	Not available.
		Caffeine Standard #5 (50 µg/mL)	Not available.
Vapour pressure	:	Caffeine Standard #1 (0.5 µg/mL)	Not available.
		Caffeine Standard #2 (1 µg/mL)	Not available.
		Caffeine Standard #3 (5 µg/mL)	Not available.
		Caffeine Standard #4 (25 µg/mL)	Not available.
		Caffeine Standard #5 (50 µg/mL)	Not available.
Vapour density	:	Caffeine Standard #1 (0.5 µg/mL)	Not available.
		Caffeine Standard #2 (1 µg/mL)	Not available.
		Caffeine Standard #3 (5 µg/mL)	Not available.
		Caffeine Standard #4 (25 µg/mL)	Not available.
		Caffeine Standard #5 (50 µg/mL)	Not available.
Relative density	:	Caffeine Standard #1 (0.5 µg/mL)	Not available.
		Caffeine Standard #2 (1 µg/mL)	Not available.
		Caffeine Standard #3 (5 µg/mL)	Not available.
		Caffeine Standard #4 (25 µg/mL)	Not available.
		Caffeine Standard #5 (50 µg/mL)	Not available.
Solubility	:	Caffeine Standard #1 (0.5 µg/mL)	Easily soluble in the following materials: cold water and hot water.
		Caffeine Standard #2 (1 µg/mL)	Easily soluble in the following materials: cold water and hot water.
		Caffeine Standard #3 (5 µg/mL)	Easily soluble in the following materials: cold water and hot water.
		Caffeine Standard #4 (25 µg/mL)	Easily soluble in the following materials: cold water and hot water.
		Caffeine Standard #5 (50 µg/mL)	Easily soluble in the following materials: cold water and hot water.
Partition coefficient: n-octanol/water	:	Caffeine Standard #1 (0.5 µg/mL)	Not available.
		Caffeine Standard #2 (1 µg/mL)	Not available.
		Caffeine Standard #3 (5 µg/mL)	Not available.
		Caffeine Standard #4 (25 µg/mL)	Not available.
		Caffeine Standard #5 (50 µg/mL)	Not available.

Section 9. Physical and chemical properties

Auto-ignition temperature :

Caffeine Standard #1 (0.5 µg/mL)	Not available.
Caffeine Standard #2 (1 µg/mL)	Not available.
Caffeine Standard #3 (5 µg/mL)	Not available.
Caffeine Standard #4 (25 µg/mL)	Not available.
Caffeine Standard #5 (50 µg/mL)	Not available.

Decomposition temperature :

Caffeine Standard #1 (0.5 µg/mL)	Not available.
Caffeine Standard #2 (1 µg/mL)	Not available.
Caffeine Standard #3 (5 µg/mL)	Not available.
Caffeine Standard #4 (25 µg/mL)	Not available.
Caffeine Standard #5 (50 µg/mL)	Not available.

Viscosity :

Caffeine Standard #1 (0.5 µg/mL)	Not available.
Caffeine Standard #2 (1 µg/mL)	Not available.
Caffeine Standard #3 (5 µg/mL)	Not available.
Caffeine Standard #4 (25 µg/mL)	Not available.
Caffeine Standard #5 (50 µg/mL)	Not available.

Section 10. Stability and reactivity

Reactivity :

Caffeine Standard #1 (0.5 µg/mL)	No specific test data related to reactivity available for this product or its ingredients.
Caffeine Standard #2 (1 µg/mL)	No specific test data related to reactivity available for this product or its ingredients.
Caffeine Standard #3 (5 µg/mL)	No specific test data related to reactivity available for this product or its ingredients.
Caffeine Standard #4 (25 µg/mL)	No specific test data related to reactivity available for this product or its ingredients.
Caffeine Standard #5 (50 µg/mL)	No specific test data related to reactivity available for this product or its ingredients.

Chemical stability :

Caffeine Standard #1 (0.5 µg/mL)	The product is stable.
Caffeine Standard #2 (1 µg/mL)	The product is stable.
Caffeine Standard #3 (5 µg/mL)	The product is stable.
Caffeine Standard #4 (25 µg/mL)	The product is stable.
Caffeine Standard #5 (50 µg/mL)	The product is stable.

Possibility of hazardous reactions :

Caffeine Standard #1 (0.5 µg/mL)	Under normal conditions of storage and use, hazardous reactions will not occur.
Caffeine Standard #2 (1 µg/mL)	Under normal conditions of storage and use, hazardous reactions will not occur.
Caffeine Standard #3 (5 µg/mL)	Under normal conditions of storage and use, hazardous reactions will not occur.
Caffeine Standard #4 (25 µg/	Under normal conditions of storage and use,

Section 10. Stability and reactivity

	mL)	hazardous reactions will not occur.
	Caffeine Standard #5 (50 µg/mL)	Under normal conditions of storage and use, hazardous reactions will not occur.

Conditions to avoid :

Caffeine Standard #1 (0.5 µg/mL)	No specific data.
Caffeine Standard #2 (1 µg/mL)	No specific data.
Caffeine Standard #3 (5 µg/mL)	No specific data.
Caffeine Standard #4 (25 µg/mL)	No specific data.
Caffeine Standard #5 (50 µg/mL)	No specific data.

Incompatible materials :

Caffeine Standard #1 (0.5 µg/mL)	May react or be incompatible with oxidising materials.
Caffeine Standard #2 (1 µg/mL)	May react or be incompatible with oxidising materials.
Caffeine Standard #3 (5 µg/mL)	May react or be incompatible with oxidising materials.
Caffeine Standard #4 (25 µg/mL)	May react or be incompatible with oxidising materials.
Caffeine Standard #5 (50 µg/mL)	May react or be incompatible with oxidising materials.

Hazardous decomposition products :

Caffeine Standard #1 (0.5 µg/mL)	Under normal conditions of storage and use, hazardous decomposition products should not be produced.
Caffeine Standard #2 (1 µg/mL)	Under normal conditions of storage and use, hazardous decomposition products should not be produced.
Caffeine Standard #3 (5 µg/mL)	Under normal conditions of storage and use, hazardous decomposition products should not be produced.
Caffeine Standard #4 (25 µg/mL)	Under normal conditions of storage and use, hazardous decomposition products should not be produced.
Caffeine Standard #5 (50 µg/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.

Section 11. Toxicological information

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.

Information on likely routes of exposure :

Caffeine Standard #1 (0.5 µg/mL)	Not available.
Caffeine Standard #2 (1 µg/mL)	Not available.
Caffeine Standard #3 (5 µg/mL)	Not available.
Caffeine Standard #4 (25 µg/mL)	Not available.
Caffeine Standard #5 (50 µg/mL)	Not available.

Potential acute health effects

Eye contact :

Caffeine Standard #1 (0.5 µg/mL)	No known significant effects or critical hazards.
Caffeine Standard #2 (1 µg/mL)	No known significant effects or critical hazards.
Caffeine Standard #3 (5 µg/mL)	No known significant effects or critical hazards.
Caffeine Standard #4 (25 µg/mL)	No known significant effects or critical hazards.
Caffeine Standard #5 (50 µg/mL)	No known significant effects or critical hazards.

Inhalation :

Caffeine Standard #1 (0.5 µg/mL)	No known significant effects or critical hazards.
Caffeine Standard #2 (1 µg/mL)	No known significant effects or critical hazards.
Caffeine Standard #3 (5 µg/mL)	No known significant effects or critical hazards.
Caffeine Standard #4 (25 µg/mL)	No known significant effects or critical hazards.
Caffeine Standard #5 (50 µg/mL)	No known significant effects or critical hazards.

Skin contact :

Caffeine Standard #1 (0.5 µg/mL)	No known significant effects or critical hazards.
Caffeine Standard #2 (1 µg/mL)	No known significant effects or critical hazards.
Caffeine Standard #3 (5 µg/mL)	No known significant effects or critical hazards.
Caffeine Standard #4 (25 µg/mL)	No known significant effects or critical hazards.
Caffeine Standard #5 (50 µg/mL)	No known significant effects or critical hazards.

Ingestion :

Caffeine Standard #1 (0.5 µg/mL)	No known significant effects or critical hazards.
Caffeine Standard #2 (1 µg/mL)	No known significant effects or critical hazards.
Caffeine Standard #3 (5 µg/mL)	No known significant effects or critical hazards.
Caffeine Standard #4 (25 µg/mL)	No known significant effects or critical hazards.

Section 11. Toxicological information

Caffeine Standard #5 (50 µg/mL)	No known significant effects or critical hazards.

Symptoms related to the physical, chemical and toxicological characteristics

Eye contact	: Caffeine Standard #1 (0.5 µg/mL)	No specific data.
	Caffeine Standard #2 (1 µg/mL)	No specific data.
	Caffeine Standard #3 (5 µg/mL)	No specific data.
	Caffeine Standard #4 (25 µg/mL)	No specific data.
	Caffeine Standard #5 (50 µg/mL)	No specific data.
Inhalation	: Caffeine Standard #1 (0.5 µg/mL)	No specific data.
	Caffeine Standard #2 (1 µg/mL)	No specific data.
	Caffeine Standard #3 (5 µg/mL)	No specific data.
	Caffeine Standard #4 (25 µg/mL)	No specific data.
	Caffeine Standard #5 (50 µg/mL)	No specific data.
Skin contact	: Caffeine Standard #1 (0.5 µg/mL)	No specific data.
	Caffeine Standard #2 (1 µg/mL)	No specific data.
	Caffeine Standard #3 (5 µg/mL)	No specific data.
	Caffeine Standard #4 (25 µg/mL)	No specific data.
	Caffeine Standard #5 (50 µg/mL)	No specific data.
Ingestion	: Caffeine Standard #1 (0.5 µg/mL)	No specific data.
	Caffeine Standard #2 (1 µg/mL)	No specific data.
	Caffeine Standard #3 (5 µg/mL)	No specific data.
	Caffeine Standard #4 (25 µg/mL)	No specific data.
	Caffeine Standard #5 (50 µg/mL)	No specific data.

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

Short term exposure

Potential immediate effects : Not available.

Potential delayed effects : Not available.

Long term exposure

Potential immediate effects : Not available.

Potential delayed effects : Not available.

Potential chronic health effects

Section 11. Toxicological information

General	: Caffeine Standard #1 (0.5 µg/mL)	No known significant effects or critical hazards.
	Caffeine Standard #2 (1 µg/mL)	No known significant effects or critical hazards.
	Caffeine Standard #3 (5 µg/mL)	No known significant effects or critical hazards.
	Caffeine Standard #4 (25 µg/mL)	No known significant effects or critical hazards.
	Caffeine Standard #5 (50 µg/mL)	No known significant effects or critical hazards.
Carcinogenicity	: Caffeine Standard #1 (0.5 µg/mL)	No known significant effects or critical hazards.
	Caffeine Standard #2 (1 µg/mL)	No known significant effects or critical hazards.
	Caffeine Standard #3 (5 µg/mL)	No known significant effects or critical hazards.
	Caffeine Standard #4 (25 µg/mL)	No known significant effects or critical hazards.
	Caffeine Standard #5 (50 µg/mL)	No known significant effects or critical hazards.
Mutagenicity	: Caffeine Standard #1 (0.5 µg/mL)	No known significant effects or critical hazards.
	Caffeine Standard #2 (1 µg/mL)	No known significant effects or critical hazards.
	Caffeine Standard #3 (5 µg/mL)	No known significant effects or critical hazards.
	Caffeine Standard #4 (25 µg/mL)	No known significant effects or critical hazards.
	Caffeine Standard #5 (50 µg/mL)	No known significant effects or critical hazards.
Teratogenicity	: Caffeine Standard #1 (0.5 µg/mL)	No known significant effects or critical hazards.
	Caffeine Standard #2 (1 µg/mL)	No known significant effects or critical hazards.
	Caffeine Standard #3 (5 µg/mL)	No known significant effects or critical hazards.
	Caffeine Standard #4 (25 µg/mL)	No known significant effects or critical hazards.
	Caffeine Standard #5 (50 µg/mL)	No known significant effects or critical hazards.
Developmental effects	: Caffeine Standard #1 (0.5 µg/mL)	No known significant effects or critical hazards.
	Caffeine Standard #2 (1 µg/mL)	No known significant effects or critical hazards.
	Caffeine Standard #3 (5 µg/mL)	No known significant effects or critical hazards.
	Caffeine Standard #4 (25 µg/mL)	No known significant effects or critical hazards.
	Caffeine Standard #5 (50 µg/mL)	No known significant effects or critical hazards.
Fertility effects	: Caffeine Standard #1 (0.5 µg/mL)	No known significant effects or critical hazards.
	Caffeine Standard #2 (1 µg/mL)	No known significant effects or critical hazards.
	Caffeine Standard #3 (5 µg/mL)	No known significant effects or critical hazards.
	Caffeine Standard #4 (25 µg/mL)	No known significant effects or critical hazards.
	Caffeine Standard #5 (50 µg/mL)	No known significant effects or critical hazards.

Numerical measures of toxicity

Section 11. Toxicological information

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

Section 15. Regulatory information

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 : Not determined.

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 : Not determined.

Turkey : All components are listed or exempted.

United States : All components are listed or exempted.

Viet Nam : Not determined.

Section 16. Any other relevant information

History

Date of issue/Date of revision : 26/04/2018

Date of previous issue : 16/11/2016

Version : 5

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.

Section 16. Any other relevant information

Notice to reader

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