

# SAFETY DATA SHEET



Enterprise Edition Caffeine Standards Kit, Part Number 5190-0488

## SECTION 1: Identification of the substance/mixture and of the company/undertaking

### 1.1 Product identifier

<b>Product name</b>	: Enterprise Edition Caffeine Standards Kit, Part Number 5190-0488
<b>Part No. (Kit)</b>	: 5190-0488
<b>Part No.</b>	: Enterprise Caffeine Standard – Cal #1 (0.5 ug/mL) 5190-0488-1
	: Enterprise Caffeine Standard – Cal #2 (1 ug/mL) 5190-0488-2
	: Enterprise Caffeine Standard – Cal #3 (2 ug/mL) 5190-0488-3
	: Enterprise Caffeine Standard – Cal #4 (5 ug/mL) 5190-0488-4
	: Enterprise Caffeine Standard – Cal #5 (25 ug/mL) 5190-0488-5
	: Enterprise Caffeine Standard – Cal #6 (50 ug/mL) 5190-0488-6
	: Enterprise Caffeine Standard – Cal #7 (100 ug/mL) 5190-0488-7
	: Enterprise Caffeine Standard – Cal #8 (200 ug/mL) 5190-0488-8

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

Identified uses	
Analytical chemistry.	
Enterprise Caffeine Standard – Cal #1 (0.5 ug/mL)	1 x 2 ml
Enterprise Caffeine Standard – Cal #2 (1 ug/mL)	1 x 2 ml
Enterprise Caffeine Standard – Cal #3 (2 ug/mL)	1 x 2 ml
Enterprise Caffeine Standard – Cal #4 (5 ug/mL)	1 x 2 ml
Enterprise Caffeine Standard – Cal #5 (25 ug/mL)	2 x 2 ml
Enterprise Caffeine Standard – Cal #6 (50 ug/mL)	1 x 2 ml
Enterprise Caffeine Standard – Cal #7 (100 ug/mL)	1 x 2 ml
Enterprise Caffeine Standard – Cal #8 (200 ug/mL)	1 x 2 ml

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

Agilent Technologies Manufacturing GmbH & Co. KG  
Hewlett-Packard-Str. 8  
76337 Waldbronn  
Germany  
0800 603 1000

**e-mail address of person responsible for this SDS** : pdl-msds\_author@agilent.com

### 1.4 Emergency telephone number

**Emergency telephone number (with hours of operation)** : CHEMTREC®: +(44)-870-8200418

**Date of issue/Date of revision** : 16/11/2016

**SECTION 1: Identification of the substance/mixture and of the company/  
undertaking****SECTION 2: Hazards identification****2.1 Classification of the substance or mixture**

<b>Product definition</b>	:	Enterprise Caffeine Standard – Cal #1 (0.5 ug/mL)	Mixture
		Enterprise Caffeine Standard – Cal #2 (1 ug/ mL)	Mixture
		Enterprise Caffeine Standard – Cal #3 (2 ug/ mL)	Mixture
		Enterprise Caffeine Standard – Cal #4 (5 ug/ mL)	Mixture
		Enterprise Caffeine Standard – Cal #5 (25 ug/mL)	Mixture
		Enterprise Caffeine Standard – Cal #6 (50 ug/mL)	Mixture
		Enterprise Caffeine Standard – Cal #7 (100 ug/mL)	Mixture
		Enterprise Caffeine Standard – Cal #8 (200 ug/mL)	Mixture

**Classification according to Regulation (EC) No. 1272/2008 [CLP/GHS]**

Not classified.

See Section 16 for the full text of the H statements declared above.

See Section 11 for more detailed information on health effects and symptoms.

**2.2 Label elements**

<b>Signal word</b>	:	Enterprise Caffeine Standard – Cal #1 (0.5 ug/mL)	No signal word.
		Enterprise Caffeine Standard – Cal #2 (1 ug/ mL)	No signal word.
		Enterprise Caffeine Standard – Cal #3 (2 ug/ mL)	No signal word.
		Enterprise Caffeine Standard – Cal #4 (5 ug/ mL)	No signal word.
		Enterprise Caffeine Standard – Cal #5 (25 ug/mL)	No signal word.
		Enterprise Caffeine Standard – Cal #6 (50 ug/mL)	No signal word.
		Enterprise Caffeine Standard – Cal #7 (100 ug/mL)	No signal word.
		Enterprise Caffeine Standard – Cal #8 (200 ug/mL)	No signal word.

**Hazard statements** :

## SECTION 2: Hazards identification

Enterprise Caffeine Standard – Cal #1 (0.5 ug/mL)	No known significant effects or critical hazards.
Enterprise Caffeine Standard – Cal #2 (1 ug/mL)	No known significant effects or critical hazards.
Enterprise Caffeine Standard – Cal #3 (2 ug/mL)	No known significant effects or critical hazards.
Enterprise Caffeine Standard – Cal #4 (5 ug/mL)	No known significant effects or critical hazards.
Enterprise Caffeine Standard – Cal #5 (25 ug/mL)	No known significant effects or critical hazards.
Enterprise Caffeine Standard – Cal #6 (50 ug/mL)	No known significant effects or critical hazards.
Enterprise Caffeine Standard – Cal #7 (100 ug/mL)	No known significant effects or critical hazards.
Enterprise Caffeine Standard – Cal #8 (200 ug/mL)	No known significant effects or critical hazards.

### Precautionary statements

#### **Prevention**

: Enterprise Caffeine Standard – Cal #1 (0.5 ug/mL)	Not applicable.
Enterprise Caffeine Standard – Cal #2 (1 ug/mL)	Not applicable.
Enterprise Caffeine Standard – Cal #3 (2 ug/mL)	Not applicable.
Enterprise Caffeine Standard – Cal #4 (5 ug/mL)	Not applicable.
Enterprise Caffeine Standard – Cal #5 (25 ug/mL)	Not applicable.
Enterprise Caffeine Standard – Cal #6 (50 ug/mL)	Not applicable.
Enterprise Caffeine Standard – Cal #7 (100 ug/mL)	Not applicable.
Enterprise Caffeine Standard – Cal #8 (200 ug/mL)	Not applicable.

#### **Response**

: Enterprise Caffeine Standard – Cal #1 (0.5 ug/mL)	Not applicable.
Enterprise Caffeine Standard – Cal #2 (1 ug/mL)	Not applicable.
Enterprise Caffeine Standard – Cal #3 (2 ug/mL)	Not applicable.
Enterprise Caffeine Standard – Cal #4 (5 ug/mL)	Not applicable.
Enterprise Caffeine Standard – Cal #5 (25 ug/mL)	Not applicable.

**SECTION 2: Hazards identification**

	ug/mL)	
	Enterprise Caffeine Standard – Cal #6 (50 ug/mL)	Not applicable.
	Enterprise Caffeine Standard – Cal #7 (100 ug/mL)	Not applicable.
	Enterprise Caffeine Standard – Cal #8 (200 ug/mL)	Not applicable.
<b>Storage</b>	: Enterprise Caffeine Standard – Cal #1 (0.5 ug/mL)	Not applicable.
	Enterprise Caffeine Standard – Cal #2 (1 ug/mL)	Not applicable.
	Enterprise Caffeine Standard – Cal #3 (2 ug/mL)	Not applicable.
	Enterprise Caffeine Standard – Cal #4 (5 ug/mL)	Not applicable.
	Enterprise Caffeine Standard – Cal #5 (25 ug/mL)	Not applicable.
	Enterprise Caffeine Standard – Cal #6 (50 ug/mL)	Not applicable.
	Enterprise Caffeine Standard – Cal #7 (100 ug/mL)	Not applicable.
	Enterprise Caffeine Standard – Cal #8 (200 ug/mL)	Not applicable.
<b>Disposal</b>	: Enterprise Caffeine Standard – Cal #1 (0.5 ug/mL)	Not applicable.
	Enterprise Caffeine Standard – Cal #2 (1 ug/mL)	Not applicable.
	Enterprise Caffeine Standard – Cal #3 (2 ug/mL)	Not applicable.
	Enterprise Caffeine Standard – Cal #4 (5 ug/mL)	Not applicable.
	Enterprise Caffeine Standard – Cal #5 (25 ug/mL)	Not applicable.
	Enterprise Caffeine Standard – Cal #6 (50 ug/mL)	Not applicable.
	Enterprise Caffeine Standard – Cal #7 (100 ug/mL)	Not applicable.
	Enterprise Caffeine Standard – Cal #8 (200 ug/mL)	Not applicable.

**SECTION 2: Hazards identification**

<b>Supplemental label elements</b>	: Enterprise Caffeine Standard – Cal #1 (0.5 ug/mL) Enterprise Caffeine Standard – Cal #2 (1 ug/mL) Enterprise Caffeine Standard – Cal #3 (2 ug/mL) Enterprise Caffeine Standard – Cal #4 (5 ug/mL) Enterprise Caffeine Standard – Cal #5 (25 ug/mL) Enterprise Caffeine Standard – Cal #6 (50 ug/mL) Enterprise Caffeine Standard – Cal #7 (100 ug/mL) Enterprise Caffeine Standard – Cal #8 (200 ug/mL)	Not applicable. Not applicable. Not applicable. Not applicable. Not applicable. Not applicable. Not applicable. Not applicable.
<b>Annex XVII - Restrictions on the manufacture, placing on the market and use of certain dangerous substances, mixtures and articles</b>	: Enterprise Caffeine Standard – Cal #1 (0.5 ug/mL) Enterprise Caffeine Standard – Cal #2 (1 ug/mL) Enterprise Caffeine Standard – Cal #3 (2 ug/mL) Enterprise Caffeine Standard – Cal #4 (5 ug/mL) Enterprise Caffeine Standard – Cal #5 (25 ug/mL) Enterprise Caffeine Standard – Cal #6 (50 ug/mL) Enterprise Caffeine Standard – Cal #7 (100 ug/mL) Enterprise Caffeine Standard – Cal #8 (200 ug/mL)	Not applicable. Not applicable. Not applicable. Not applicable. Not applicable. Not applicable. Not applicable. Not applicable.
<b><u>Special packaging requirements</u></b>		
<b>Tactile warning of danger</b>	: Enterprise Caffeine Standard – Cal #1 (0.5 ug/mL) Enterprise Caffeine Standard – Cal #2 (1 ug/mL) Enterprise Caffeine Standard – Cal #3 (2 ug/mL) Enterprise Caffeine Standard – Cal #4 (5 ug/mL) Enterprise Caffeine Standard – Cal #5 (25 ug/mL)	Not applicable. Not applicable. Not applicable. Not applicable. Not applicable.

## SECTION 2: Hazards identification

ug/mL) Enterprise Caffeine Standard – Cal #6 (50 ug/mL)	Not applicable.
Enterprise Caffeine Standard – Cal #7 (100 ug/mL)	Not applicable.
Enterprise Caffeine Standard – Cal #8 (200 ug/mL)	Not applicable.

### 2.3 Other hazards

<b>Other hazards which do not result in classification</b>	: Enterprise Caffeine Standard – Cal #1 (0.5 ug/mL)	None known.
	Enterprise Caffeine Standard – Cal #2 (1 ug/ mL)	None known.
	Enterprise Caffeine Standard – Cal #3 (2 ug/ mL)	None known.
	Enterprise Caffeine Standard – Cal #4 (5 ug/ mL)	None known.
	Enterprise Caffeine Standard – Cal #5 (25 ug/mL)	None known.
	Enterprise Caffeine Standard – Cal #6 (50 ug/mL)	None known.
	Enterprise Caffeine Standard – Cal #7 (100 ug/mL)	None known.
	Enterprise Caffeine Standard – Cal #8 (200 ug/mL)	None known.

## SECTION 3: Composition/information on ingredients

<b>3.1 Substances</b>	: Enterprise Caffeine Standard – Cal #1 (0.5 ug/mL)	Mixture
	Enterprise Caffeine Standard – Cal #2 (1 ug/mL)	Mixture
	Enterprise Caffeine Standard – Cal #3 (2 ug/mL)	Mixture
	Enterprise Caffeine Standard – Cal #4 (5 ug/mL)	Mixture
	Enterprise Caffeine Standard – Cal #5 (25 ug/mL)	Mixture
	Enterprise Caffeine Standard – Cal #6 (50 ug/mL)	Mixture
	Enterprise Caffeine Standard – Cal #7 (100 ug/mL)	Mixture
	Enterprise Caffeine Standard – Cal #8 (200 ug/mL)	Mixture

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, are PBTs, vPvBs or Substances of equivalent concern, or have been assigned a workplace exposure limit and hence require reporting in this section.

Type

**SECTION 3: Composition/information on ingredients**

[1] Substance classified with a health or environmental hazard

[2] Substance with a workplace exposure limit

[3] Substance meets the criteria for PBT according to Regulation (EC) No. 1907/2006, Annex XIII

[4] Substance meets the criteria for vPvB according to Regulation (EC) No. 1907/2006, Annex XIII

[5] Substance of equivalent concern

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

**SECTION 4: First aid measures****4.1 Description of first aid measures****Eye contact**

Enterprise Caffeine Standard – Cal #1 (0.5 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.
Enterprise Caffeine Standard – Cal #2 (1 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.
Enterprise Caffeine Standard – Cal #3 (2 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.
Enterprise Caffeine Standard – Cal #4 (5 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.
Enterprise Caffeine Standard – Cal #5 (25 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.
Enterprise Caffeine Standard – Cal #6 (50 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.
Enterprise Caffeine Standard – Cal #7 (100 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.
Enterprise Caffeine Standard – Cal #8 (200 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.

**Inhalation**

Enterprise Caffeine Standard – Cal #1 (0.5 ug/mL)	Remove victim to fresh air and keep at rest in a position comfortable for breathing. Get medical attention if symptoms occur.
Enterprise Caffeine Standard – Cal #2 (1 ug/mL)	Remove victim to fresh air and keep at rest in a position comfortable for breathing. Get medical attention if symptoms occur.
Enterprise Caffeine Standard – Cal #3 (2 ug/mL)	Remove victim to fresh air and keep at rest in a position comfortable for breathing. Get medical attention if symptoms occur.
Enterprise Caffeine Standard – Cal #4 (5 ug/mL)	Remove victim to fresh air and keep at rest in a position comfortable for breathing. Get medical attention if symptoms occur.
Enterprise Caffeine Standard – Cal #5 (25 ug/mL)	Remove victim to fresh air and keep at rest in a position comfortable for breathing. Get medical attention if symptoms occur.
Enterprise Caffeine Standard – Cal #6 (50 ug/mL)	Remove victim to fresh air and keep at rest in a position comfortable for breathing. Get medical attention if symptoms occur.
Enterprise Caffeine Standard – Cal #7 (100 ug/mL)	Remove victim to fresh air and keep at rest in a position comfortable for breathing. Get medical attention if symptoms occur.
Enterprise Caffeine Standard – Cal #8 (200 ug/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**

<b>Skin contact</b>	: Enterprise Caffeine Standard – Cal #1 (0.5 ug/mL) Enterprise Caffeine Standard – Cal #2 (1 ug/mL) Enterprise Caffeine Standard – Cal #3 (2 ug/mL) Enterprise Caffeine Standard – Cal #4 (5 ug/mL) Enterprise Caffeine Standard – Cal #5 (25 ug/mL) Enterprise Caffeine Standard – Cal #6 (50 ug/mL) Enterprise Caffeine Standard – Cal #7 (100 ug/mL) Enterprise Caffeine Standard – Cal #8 (200 ug/mL)	Flush contaminated skin with plenty of water. Remove contaminated clothing and shoes. Get medical attention if symptoms occur. Flush contaminated skin with plenty of water. Remove contaminated clothing and shoes. Get medical attention if symptoms occur. Flush contaminated skin with plenty of water. Remove contaminated clothing and shoes. Get medical attention if symptoms occur. Flush contaminated skin with plenty of water. Remove contaminated clothing and shoes. Get medical attention if symptoms occur. Flush contaminated skin with plenty of water. Remove contaminated clothing and shoes. Get medical attention if symptoms occur. Flush contaminated skin with plenty of water. Remove contaminated clothing and shoes. Get medical attention if symptoms occur. Flush contaminated skin with plenty of water. Remove contaminated clothing and shoes. Get medical attention if symptoms occur. Flush contaminated skin with plenty of water. Remove contaminated clothing and shoes. Get medical attention if symptoms occur.
<b>Ingestion</b>	: Enterprise Caffeine Standard – Cal #1 (0.5 ug/mL)  Enterprise Caffeine Standard – Cal #2 (1 ug/mL)  Enterprise Caffeine Standard – Cal #3 (2 ug/mL)  Enterprise Caffeine Standard – Cal #4 (5 ug/mL)  Enterprise Caffeine Standard – Cal #5 (25 ug/mL)  Enterprise Caffeine Standard – Cal #6 (50 ug/mL)  Enterprise Caffeine Standard – Cal #7 (100 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. 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. 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. 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. 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. 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. 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**

Enterprise Caffeine Standard – Cal #8 (200 ug/mL)	induce vomiting unless directed to do so by medical personnel. Get medical attention if symptoms occur. 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.
<b>Protection of first-aiders</b> : Enterprise Caffeine Standard – Cal #1 (0.5 ug/mL)	No action shall be taken involving any personal risk or without suitable training.
Enterprise Caffeine Standard – Cal #2 (1 ug/mL)	No action shall be taken involving any personal risk or without suitable training.
Enterprise Caffeine Standard – Cal #3 (2 ug/mL)	No action shall be taken involving any personal risk or without suitable training.
Enterprise Caffeine Standard – Cal #4 (5 ug/mL)	No action shall be taken involving any personal risk or without suitable training.
Enterprise Caffeine Standard – Cal #5 (25 ug/mL)	No action shall be taken involving any personal risk or without suitable training.
Enterprise Caffeine Standard – Cal #6 (50 ug/mL)	No action shall be taken involving any personal risk or without suitable training.
Enterprise Caffeine Standard – Cal #7 (100 ug/mL)	No action shall be taken involving any personal risk or without suitable training.
Enterprise Caffeine Standard – Cal #8 (200 ug/mL)	No action shall be taken involving any personal risk or without suitable training.

**4.2 Most important symptoms and effects, both acute and delayed**

Potential acute health effects

<b>Eye contact</b> :	Enterprise Caffeine Standard – Cal #1 (0.5 ug/mL)	No known significant effects or critical hazards.
	Enterprise Caffeine Standard – Cal #2 (1 ug/mL)	No known significant effects or critical hazards.
	Enterprise Caffeine Standard – Cal #3 (2 ug/mL)	No known significant effects or critical hazards.
	Enterprise Caffeine Standard – Cal #4 (5 ug/mL)	No known significant effects or critical hazards.
	Enterprise Caffeine Standard – Cal #5 (25 ug/mL)	No known significant effects or critical hazards.
	Enterprise Caffeine Standard – Cal #6 (50 ug/mL)	No known significant effects or critical hazards.
	Enterprise Caffeine Standard – Cal #7 (100 ug/mL)	No known significant effects or critical hazards.
	Enterprise Caffeine Standard – Cal #8 (200 ug/mL)	No known significant effects or critical hazards.

**SECTION 4: First aid measures**

<b>Inhalation</b>	:	Enterprise Caffeine Standard – Cal #1 (0.5 ug/mL)	No known significant effects or critical hazards.
		Enterprise Caffeine Standard – Cal #2 (1 ug/mL)	No known significant effects or critical hazards.
		Enterprise Caffeine Standard – Cal #3 (2 ug/mL)	No known significant effects or critical hazards.
		Enterprise Caffeine Standard – Cal #4 (5 ug/mL)	No known significant effects or critical hazards.
		Enterprise Caffeine Standard – Cal #5 (25 ug/mL)	No known significant effects or critical hazards.
		Enterprise Caffeine Standard – Cal #6 (50 ug/mL)	No known significant effects or critical hazards.
		Enterprise Caffeine Standard – Cal #7 (100 ug/mL)	No known significant effects or critical hazards.
		Enterprise Caffeine Standard – Cal #8 (200 ug/mL)	No known significant effects or critical hazards.
<b>Skin contact</b>	:	Enterprise Caffeine Standard – Cal #1 (0.5 ug/mL)	No known significant effects or critical hazards.
		Enterprise Caffeine Standard – Cal #2 (1 ug/mL)	No known significant effects or critical hazards.
		Enterprise Caffeine Standard – Cal #3 (2 ug/mL)	No known significant effects or critical hazards.
		Enterprise Caffeine Standard – Cal #4 (5 ug/mL)	No known significant effects or critical hazards.
		Enterprise Caffeine Standard – Cal #5 (25 ug/mL)	No known significant effects or critical hazards.
		Enterprise Caffeine Standard – Cal #6 (50 ug/mL)	No known significant effects or critical hazards.
		Enterprise Caffeine Standard – Cal #7 (100 ug/mL)	No known significant effects or critical hazards.
		Enterprise Caffeine Standard – Cal #8 (200 ug/mL)	No known significant effects or critical hazards.
<b>Ingestion</b>	:	Enterprise Caffeine Standard – Cal #1 (0.5 ug/mL)	No known significant effects or critical hazards.
		Enterprise Caffeine Standard – Cal #2 (1 ug/mL)	No known significant effects or critical hazards.
		Enterprise Caffeine Standard – Cal #3 (2 ug/mL)	No known significant effects or critical hazards.
		Enterprise Caffeine Standard – Cal #4 (5 ug/mL)	No known significant effects or critical hazards.
		Enterprise Caffeine Standard – Cal #5 (25 ug/mL)	No known significant effects or critical hazards.
		Enterprise Caffeine	No known significant effects or critical hazards.

**SECTION 4: First aid measures**

Standard – Cal #6 (50 ug/mL)	
Enterprise Caffeine Standard – Cal #7 (100 ug/mL)	No known significant effects or critical hazards.
Enterprise Caffeine Standard – Cal #8 (200 ug/mL)	No known significant effects or critical hazards.

Over-exposure signs/symptoms

**Eye contact** :

Enterprise Caffeine Standard – Cal #1 (0.5 ug/mL)	No specific data.
Enterprise Caffeine Standard – Cal #2 (1 ug/mL)	No specific data.
Enterprise Caffeine Standard – Cal #3 (2 ug/mL)	No specific data.
Enterprise Caffeine Standard – Cal #4 (5 ug/mL)	No specific data.
Enterprise Caffeine Standard – Cal #5 (25 ug/mL)	No specific data.
Enterprise Caffeine Standard – Cal #6 (50 ug/mL)	No specific data.
Enterprise Caffeine Standard – Cal #7 (100 ug/mL)	No specific data.
Enterprise Caffeine Standard – Cal #8 (200 ug/mL)	No specific data.

**Inhalation** :

Enterprise Caffeine Standard – Cal #1 (0.5 ug/mL)	No specific data.
Enterprise Caffeine Standard – Cal #2 (1 ug/mL)	No specific data.
Enterprise Caffeine Standard – Cal #3 (2 ug/mL)	No specific data.
Enterprise Caffeine Standard – Cal #4 (5 ug/mL)	No specific data.
Enterprise Caffeine Standard – Cal #5 (25 ug/mL)	No specific data.
Enterprise Caffeine Standard – Cal #6 (50 ug/mL)	No specific data.
Enterprise Caffeine Standard – Cal #7 (100 ug/mL)	No specific data.
Enterprise Caffeine Standard – Cal #8 (200 ug/mL)	No specific data.

**SECTION 4: First aid measures**

**Skin contact** : Enterprise Caffeine Standard – Cal #1 (0.5 ug/mL) No specific data.  
 Enterprise Caffeine Standard – Cal #2 (1 ug/mL) No specific data.  
 Enterprise Caffeine Standard – Cal #3 (2 ug/mL) No specific data.  
 Enterprise Caffeine Standard – Cal #4 (5 ug/mL) No specific data.  
 Enterprise Caffeine Standard – Cal #5 (25 ug/mL) No specific data.  
 Enterprise Caffeine Standard – Cal #6 (50 ug/mL) No specific data.  
 Enterprise Caffeine Standard – Cal #7 (100 ug/mL) No specific data.  
 Enterprise Caffeine Standard – Cal #8 (200 ug/mL) No specific data.

**Ingestion** : Enterprise Caffeine Standard – Cal #1 (0.5 ug/mL) No specific data.  
 Enterprise Caffeine Standard – Cal #2 (1 ug/mL) No specific data.  
 Enterprise Caffeine Standard – Cal #3 (2 ug/mL) No specific data.  
 Enterprise Caffeine Standard – Cal #4 (5 ug/mL) No specific data.  
 Enterprise Caffeine Standard – Cal #5 (25 ug/mL) No specific data.  
 Enterprise Caffeine Standard – Cal #6 (50 ug/mL) No specific data.  
 Enterprise Caffeine Standard – Cal #7 (100 ug/mL) No specific data.  
 Enterprise Caffeine Standard – Cal #8 (200 ug/mL) No specific data.

**4.3 Indication of any immediate medical attention and special treatment needed**

**Notes to physician** : Enterprise Caffeine Standard – Cal #1 (0.5 ug/mL) Treat symptomatically. Contact poison treatment specialist immediately if large quantities have been ingested or inhaled.  
 Enterprise Caffeine Standard – Cal #2 (1 ug/mL) Treat symptomatically. Contact poison treatment specialist immediately if large quantities have been ingested or inhaled.  
 Enterprise Caffeine Standard – Cal #3 (2 ug/mL) Treat symptomatically. Contact poison treatment specialist immediately if large quantities have been ingested or inhaled.  
 Enterprise Caffeine Standard – Cal #4 (5 ug/mL) Treat symptomatically. Contact poison treatment specialist immediately if large quantities have been ingested or inhaled.  
 Enterprise Caffeine Standard – Cal #8 (200 ug/mL) Treat symptomatically. Contact poison treatment specialist

**SECTION 4: First aid measures**

	Standard – Cal #5 (25 ug/mL)	immediately if large quantities have been ingested or inhaled.
	Enterprise Caffeine Standard – Cal #6 (50 ug/mL)	Treat symptomatically. Contact poison treatment specialist immediately if large quantities have been ingested or inhaled.
	Enterprise Caffeine Standard – Cal #7 (100 ug/mL)	Treat symptomatically. Contact poison treatment specialist immediately if large quantities have been ingested or inhaled.
	Enterprise Caffeine Standard – Cal #8 (200 ug/mL)	Treat symptomatically. Contact poison treatment specialist immediately if large quantities have been ingested or inhaled.
<b>Specific treatments</b>	: Enterprise Caffeine Standard – Cal #1 (0.5 ug/mL)	No specific treatment.
	Enterprise Caffeine Standard – Cal #2 (1 ug/mL)	No specific treatment.
	Enterprise Caffeine Standard – Cal #3 (2 ug/mL)	No specific treatment.
	Enterprise Caffeine Standard – Cal #4 (5 ug/mL)	No specific treatment.
	Enterprise Caffeine Standard – Cal #5 (25 ug/mL)	No specific treatment.
	Enterprise Caffeine Standard – Cal #6 (50 ug/mL)	No specific treatment.
	Enterprise Caffeine Standard – Cal #7 (100 ug/mL)	No specific treatment.
	Enterprise Caffeine Standard – Cal #8 (200 ug/mL)	No specific treatment.

**SECTION 5: Firefighting measures****5.1 Extinguishing media**

<b>Suitable extinguishing media</b>	: Enterprise Caffeine Standard – Cal #1 (0.5 ug/mL)	Use an extinguishing agent suitable for the surrounding fire.
	Enterprise Caffeine Standard – Cal #2 (1 ug/mL)	Use an extinguishing agent suitable for the surrounding fire.
	Enterprise Caffeine Standard – Cal #3 (2 ug/mL)	Use an extinguishing agent suitable for the surrounding fire.
	Enterprise Caffeine Standard – Cal #4 (5 ug/mL)	Use an extinguishing agent suitable for the surrounding fire.
	Enterprise Caffeine Standard – Cal #5 (25 ug/mL)	Use an extinguishing agent suitable for the surrounding fire.
	Enterprise Caffeine Standard – Cal #6 (50 ug/mL)	Use an extinguishing agent suitable for the surrounding fire.
	Enterprise Caffeine Standard – Cal #7 (100 ug/mL)	Use an extinguishing agent suitable for the surrounding fire.
	Enterprise Caffeine Standard – Cal #8 (200 ug/mL)	Use an extinguishing agent suitable for the surrounding fire.

**SECTION 5: Firefighting measures**

<b>Unsuitable extinguishing media</b>	Enterprise Caffeine Standard – Cal #1 (0.5 ug/mL)	None known.
	Enterprise Caffeine Standard – Cal #2 (1 ug/mL)	None known.
	Enterprise Caffeine Standard – Cal #3 (2 ug/mL)	None known.
	Enterprise Caffeine Standard – Cal #4 (5 ug/mL)	None known.
	Enterprise Caffeine Standard – Cal #5 (25 ug/mL)	None known.
	Enterprise Caffeine Standard – Cal #6 (50 ug/mL)	None known.
	Enterprise Caffeine Standard – Cal #7 (100 ug/mL)	None known.
	Enterprise Caffeine Standard – Cal #8 (200 ug/mL)	None known.

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

<b>Hazards from the substance or mixture</b>	Enterprise Caffeine Standard – Cal #1 (0.5 ug/mL)	In a fire or if heated, a pressure increase will occur and the container may burst.
	Enterprise Caffeine Standard – Cal #2 (1 ug/mL)	In a fire or if heated, a pressure increase will occur and the container may burst.
	Enterprise Caffeine Standard – Cal #3 (2 ug/mL)	In a fire or if heated, a pressure increase will occur and the container may burst.
	Enterprise Caffeine Standard – Cal #4 (5 ug/mL)	In a fire or if heated, a pressure increase will occur and the container may burst.
	Enterprise Caffeine Standard – Cal #5 (25 ug/mL)	In a fire or if heated, a pressure increase will occur and the container may burst.
	Enterprise Caffeine Standard – Cal #6 (50 ug/mL)	In a fire or if heated, a pressure increase will occur and the container may burst.
	Enterprise Caffeine Standard – Cal #7 (100 ug/mL)	In a fire or if heated, a pressure increase will occur and the container may burst.
	Enterprise Caffeine Standard – Cal #8 (200 ug/mL)	In a fire or if heated, a pressure increase will occur and the container may burst.
<b>Hazardous combustion products</b>	Enterprise Caffeine Standard – Cal #1 (0.5 ug/mL)	No specific data.
	Enterprise Caffeine Standard – Cal #2 (1 ug/mL)	No specific data.
	Enterprise Caffeine Standard – Cal #3 (2 ug/mL)	No specific data.
	Enterprise Caffeine Standard – Cal #4 (5 ug/mL)	No specific data.
	Enterprise Caffeine	No specific data.

**SECTION 5: Firefighting measures**

Standard – Cal #5 (25 ug/mL)	
Enterprise Caffeine Standard – Cal #6 (50 ug/mL)	No specific data.
Enterprise Caffeine Standard – Cal #7 (100 ug/mL)	No specific data.
Enterprise Caffeine Standard – Cal #8 (200 ug/mL)	No specific data.

**5.3 Advice for firefighters**

**Special precautions for fire-fighters**

: Enterprise Caffeine Standard – Cal #1 (0.5 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.
Enterprise Caffeine Standard – Cal #2 (1 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.
Enterprise Caffeine Standard – Cal #3 (2 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.
Enterprise Caffeine Standard – Cal #4 (5 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.
Enterprise Caffeine Standard – Cal #5 (25 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.
Enterprise Caffeine Standard – Cal #6 (50 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.
Enterprise Caffeine Standard – Cal #7 (100 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.
Enterprise Caffeine Standard – Cal #8 (200 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**

: Enterprise Caffeine Standard – Cal #1 (0.5 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. Clothing for fire-fighters (including helmets, protective boots and gloves) conforming to European standard EN 469 will provide a basic level of protection for chemical incidents.
Enterprise Caffeine Standard – Cal #2 (1 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. Clothing for fire-fighters (including helmets, protective boots and gloves) conforming to European standard EN 469 will provide a basic level of protection for chemical incidents.
Enterprise Caffeine Standard – Cal #3 (2 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. Clothing for fire-fighters (including helmets, protective boots and gloves) conforming to European standard EN 469 will provide a basic level of protection for chemical incidents.
Enterprise Caffeine Standard – Cal #4 (5 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. Clothing for fire-fighters (including helmets, protective boots and gloves) conforming to European standard EN 469 will provide a basic level of protection for chemical incidents.
Enterprise Caffeine Standard – Cal #5 (25 ug/mL)	Fire-fighters should wear appropriate protective equipment and self-contained breathing apparatus (SCBA) with a full

## SECTION 5: Firefighting measures

<p>ug/mL)</p> <p>Enterprise Caffeine Standard – Cal #6 (50 ug/mL)</p> <p>Enterprise Caffeine Standard – Cal #7 (100 ug/mL)</p> <p>Enterprise Caffeine Standard – Cal #8 (200 ug/mL)</p>	<p>face-piece operated in positive pressure mode. Clothing for fire-fighters (including helmets, protective boots and gloves) conforming to European standard EN 469 will provide a basic level of protection for chemical incidents.</p> <p>Fire-fighters should wear appropriate protective equipment and self-contained breathing apparatus (SCBA) with a full face-piece operated in positive pressure mode. Clothing for fire-fighters (including helmets, protective boots and gloves) conforming to European standard EN 469 will provide a basic level of protection for chemical incidents.</p> <p>Fire-fighters should wear appropriate protective equipment and self-contained breathing apparatus (SCBA) with a full face-piece operated in positive pressure mode. Clothing for fire-fighters (including helmets, protective boots and gloves) conforming to European standard EN 469 will provide a basic level of protection for chemical incidents.</p> <p>Fire-fighters should wear appropriate protective equipment and self-contained breathing apparatus (SCBA) with a full face-piece operated in positive pressure mode. Clothing for fire-fighters (including helmets, protective boots and gloves) conforming to European standard EN 469 will provide a basic level of protection for chemical incidents.</p>
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## SECTION 6: Accidental release measures

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

<p><b>For non-emergency personnel</b></p> <p>: Enterprise Caffeine Standard – Cal #1 (0.5 ug/mL)</p> <p>Enterprise Caffeine Standard – Cal #2 (1 ug/mL)</p> <p>Enterprise Caffeine Standard – Cal #3 (2 ug/mL)</p> <p>Enterprise Caffeine Standard – Cal #4 (5 ug/mL)</p> <p>Enterprise Caffeine Standard – Cal #5 (25 ug/mL)</p> <p>Enterprise Caffeine Standard – Cal #6 (50 ug/mL)</p> <p>Enterprise Caffeine Standard – Cal #7 (100 ug/mL)</p> <p>Enterprise Caffeine Standard – Cal #8 (200 ug/mL)</p>	<p>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.</p> <p>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.</p> <p>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.</p> <p>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.</p> <p>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.</p> <p>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.</p> <p>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.</p> <p>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.</p>
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**SECTION 6: Accidental release measures**

**For emergency responders**

- : Enterprise Caffeine Standard – Cal #1 (0.5 ug/mL)
- Enterprise Caffeine Standard – Cal #2 (1 ug/mL)
- Enterprise Caffeine Standard – Cal #3 (2 ug/mL)
- Enterprise Caffeine Standard – Cal #4 (5 ug/mL)
- Enterprise Caffeine Standard – Cal #5 (25 ug/mL)
- Enterprise Caffeine Standard – Cal #6 (50 ug/mL)
- Enterprise Caffeine Standard – Cal #7 (100 ug/mL)
- Enterprise Caffeine Standard – Cal #8 (200 ug/mL)

Do not touch or walk through spilled material. Put on appropriate personal protective equipment.

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".

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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".

**6.2 Environmental precautions**

- : Enterprise Caffeine Standard – Cal #1 (0.5 ug/mL)
- Enterprise Caffeine Standard – Cal #2 (1 ug/mL)
- Enterprise Caffeine Standard – Cal #3 (2 ug/mL)
- Enterprise Caffeine Standard – Cal #4 (5 ug/mL)
- Enterprise Caffeine Standard – Cal #5 (25 ug/mL)
- Enterprise Caffeine Standard – Cal #6 (50 ug/mL)
- Enterprise Caffeine Standard – Cal #7 (100 ug/mL)
- Enterprise Caffeine

Avoid dispersal of spilled material and runoff and contact with soil, waterways, drains and sewers. Inform the relevant authorities if the product has caused environmental pollution (sewers, waterways, soil or air).

Avoid dispersal of spilled material and runoff and contact with soil, waterways, drains and sewers. Inform the relevant authorities if the product has caused environmental pollution (sewers, waterways, soil or air).

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Avoid dispersal of spilled material and runoff and contact with soil, waterways, drains and sewers. Inform the relevant authorities if the product has caused environmental pollution (sewers, waterways, soil or air).

## SECTION 6: Accidental release measures

Standard – Cal #8 (200 ug/mL)	soil, waterways, drains and sewers. Inform the relevant authorities if the product has caused environmental pollution (sewers, waterways, soil or air).
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### 6.3 Methods and material for containment and cleaning up

<b>Methods for cleaning up</b> : Enterprise Caffeine Standard – Cal #1 (0.5 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.
Enterprise Caffeine Standard – Cal #2 (1 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.
Enterprise Caffeine Standard – Cal #3 (2 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.
Enterprise Caffeine Standard – Cal #4 (5 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.
Enterprise Caffeine Standard – Cal #5 (25 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.
Enterprise Caffeine Standard – Cal #6 (50 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.
Enterprise Caffeine Standard – Cal #7 (100 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.
Enterprise Caffeine Standard – Cal #8 (200 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.

**6.4 Reference to other sections** : See Section 1 for emergency contact information.  
See Section 8 for information on appropriate personal protective equipment.  
See Section 13 for additional waste treatment information.

## SECTION 7: Handling and storage

### 7.1 Precautions for safe handling

<b>Protective measures</b> : Enterprise Caffeine Standard – Cal #1 (0.5 ug/mL)	Put on appropriate personal protective equipment (see Section 8).
Enterprise Caffeine Standard – Cal #2 (1 ug/mL)	Put on appropriate personal protective equipment (see Section 8).
Enterprise Caffeine Standard – Cal #3 (2 ug/mL)	Put on appropriate personal protective equipment (see Section 8).
Enterprise Caffeine	Put on appropriate personal protective equipment (see

**SECTION 7: Handling and storage**

Standard – Cal #4 (5 ug/mL)	Section 8).
Enterprise Caffeine Standard – Cal #5 (25 ug/mL)	Put on appropriate personal protective equipment (see Section 8).
Enterprise Caffeine Standard – Cal #6 (50 ug/mL)	Put on appropriate personal protective equipment (see Section 8).
Enterprise Caffeine Standard – Cal #7 (100 ug/mL)	Put on appropriate personal protective equipment (see Section 8).
Enterprise Caffeine Standard – Cal #8 (200 ug/mL)	Put on appropriate personal protective equipment (see Section 8).
Enterprise Caffeine Standard – Cal #1 (0.5 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.
Enterprise Caffeine Standard – Cal #2 (1 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.
Enterprise Caffeine Standard – Cal #3 (2 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.
Enterprise Caffeine Standard – Cal #4 (5 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.
Enterprise Caffeine Standard – Cal #5 (25 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.
Enterprise Caffeine Standard – Cal #6 (50 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.
Enterprise Caffeine Standard – Cal #7 (100 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.
Enterprise Caffeine Standard – Cal #8 (200 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.

**Advice on general occupational hygiene**

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**SECTION 7: Handling and storage****7.2 Conditions for safe storage, including any incompatibilities****Storage**

Enterprise Caffeine Standard – Cal #1 (0.5 ug/mL)	Store between the following temperatures: 15 to 30°C (59 to 86°F). 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.
Enterprise Caffeine Standard – Cal #2 (1 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.
Enterprise Caffeine Standard – Cal #3 (2 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.
Enterprise Caffeine Standard – Cal #4 (5 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.
Enterprise Caffeine Standard – Cal #5 (25 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.
Enterprise Caffeine Standard – Cal #6 (50 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.
Enterprise Caffeine Standard – Cal #7 (100 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

## SECTION 7: Handling and storage

Enterprise Caffeine Standard – Cal #8 (200 ug/mL)	contamination. 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.
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### 7.3 Specific end use(s)

#### Recommendations

: Enterprise Caffeine Standard – Cal #1 (0.5 ug/mL)	Industrial applications, Professional applications.
Enterprise Caffeine Standard – Cal #2 (1 ug/mL)	Industrial applications, Professional applications.
Enterprise Caffeine Standard – Cal #3 (2 ug/mL)	Industrial applications, Professional applications.
Enterprise Caffeine Standard – Cal #4 (5 ug/mL)	Industrial applications, Professional applications.
Enterprise Caffeine Standard – Cal #5 (25 ug/mL)	Industrial applications, Professional applications.
Enterprise Caffeine Standard – Cal #6 (50 ug/mL)	Industrial applications, Professional applications.
Enterprise Caffeine Standard – Cal #7 (100 ug/mL)	Industrial applications, Professional applications.
Enterprise Caffeine Standard – Cal #8 (200 ug/mL)	Industrial applications, Professional applications.

#### Industrial sector specific solutions

: Enterprise Caffeine Standard – Cal #1 (0.5 ug/mL)	Not applicable.
Enterprise Caffeine Standard – Cal #2 (1 ug/mL)	Not applicable.
Enterprise Caffeine Standard – Cal #3 (2 ug/mL)	Not applicable.
Enterprise Caffeine Standard – Cal #4 (5 ug/mL)	Not applicable.
Enterprise Caffeine Standard – Cal #5 (25 ug/mL)	Not applicable.
Enterprise Caffeine Standard – Cal #6 (50 ug/mL)	Not applicable.
Enterprise Caffeine Standard – Cal #7 (100 ug/mL)	Not applicable.
Enterprise Caffeine Standard – Cal #8 (200 ug/mL)	Not applicable.

**SECTION 8: Exposure controls/personal protection****8.1 Control parameters****Occupational exposure limits**

No exposure limit value known.

**Recommended monitoring procedures** : If this product contains ingredients with exposure limits, personal, workplace atmosphere or biological monitoring may be required to determine the effectiveness of the ventilation or other control measures and/or the necessity to use respiratory protective equipment. Reference should be made to monitoring standards, such as the following: European Standard EN 689 (Workplace atmospheres - Guidance for the assessment of exposure by inhalation to chemical agents for comparison with limit values and measurement strategy) European Standard EN 14042 (Workplace atmospheres - Guide for the application and use of procedures for the assessment of exposure to chemical and biological agents) European Standard EN 482 (Workplace atmospheres - General requirements for the performance of procedures for the measurement of chemical agents) Reference to national guidance documents for methods for the determination of hazardous substances will also be required.

**DNELs/DMELs**

No DNELs/DMELs available.

**PNECs**

No PNECs available

**8.2 Exposure controls**

**Appropriate engineering controls** : Good general ventilation should be sufficient to control worker exposure to airborne contaminants.

**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.

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

**SECTION 9: Physical and chemical properties****9.1 Information on basic physical and chemical properties****Appearance**

<b>Physical state</b>	: Enterprise Caffeine Standard – Cal #1 (0.5 ug/mL)	Liquid.
	: Enterprise Caffeine Standard – Cal #2 (1 ug/mL)	Liquid.
	: Enterprise Caffeine Standard – Cal #3 (2 ug/mL)	Liquid.
	: Enterprise Caffeine Standard – Cal #4 (5 ug/mL)	Liquid.
	: Enterprise Caffeine Standard – Cal #5 (25 ug/mL)	Liquid.
	: Enterprise Caffeine Standard – Cal #6 (50 ug/mL)	Liquid.
	: Enterprise Caffeine Standard – Cal #7 (100 ug/mL)	Liquid.
	: Enterprise Caffeine Standard – Cal #8 (200 ug/mL)	Liquid.
<b>Colour</b>	: Enterprise Caffeine Standard – Cal #1 (0.5 ug/mL)	Colourless.
	: Enterprise Caffeine Standard – Cal #2 (1 ug/mL)	Colourless.
	: Enterprise Caffeine Standard – Cal #3 (2 ug/mL)	Colourless.
	: Enterprise Caffeine Standard – Cal #4 (5 ug/mL)	Colourless.
	: Enterprise Caffeine Standard – Cal #5 (25 ug/mL)	Colourless.
	: Enterprise Caffeine Standard – Cal #6 (50 ug/mL)	Colourless.
	: Enterprise Caffeine Standard – Cal #7 (100 ug/mL)	Colourless.
	: Enterprise Caffeine Standard – Cal #8 (200 ug/mL)	Colourless.
<b>Odour</b>	: Enterprise Caffeine Standard – Cal #1 (0.5 ug/mL)	Not available.
	: Enterprise Caffeine Standard – Cal #2 (1 ug/mL)	Not available.
	: Enterprise Caffeine Standard – Cal #3 (2 ug/mL)	Not available.
	: Enterprise Caffeine Standard – Cal #4 (5 ug/mL)	Not available.
	: Enterprise Caffeine	Not available.

**SECTION 9: Physical and chemical properties**

	Standard – Cal #5 (25 ug/mL)	
	Enterprise Caffeine	Not available.
	Standard – Cal #6 (50 ug/mL)	
	Enterprise Caffeine	Not available.
	Standard – Cal #7 (100 ug/mL)	
	Enterprise Caffeine	Not available.
	Standard – Cal #8 (200 ug/mL)	
<b>Odour threshold</b>	: Enterprise Caffeine	Not available.
	Standard – Cal #1 (0.5 ug/mL)	
	Enterprise Caffeine	Not available.
	Standard – Cal #2 (1 ug/mL)	
	Enterprise Caffeine	Not available.
	Standard – Cal #3 (2 ug/mL)	
	Enterprise Caffeine	Not available.
	Standard – Cal #4 (5 ug/mL)	
	Enterprise Caffeine	Not available.
	Standard – Cal #5 (25 ug/mL)	
	Enterprise Caffeine	Not available.
	Standard – Cal #6 (50 ug/mL)	
	Enterprise Caffeine	Not available.
	Standard – Cal #7 (100 ug/mL)	
	Enterprise Caffeine	Not available.
	Standard – Cal #8 (200 ug/mL)	
<b>pH</b>	: Enterprise Caffeine	Not available.
	Standard – Cal #1 (0.5 ug/mL)	
	Enterprise Caffeine	Not available.
	Standard – Cal #2 (1 ug/mL)	
	Enterprise Caffeine	Not available.
	Standard – Cal #3 (2 ug/mL)	
	Enterprise Caffeine	Not available.
	Standard – Cal #4 (5 ug/mL)	
	Enterprise Caffeine	Not available.
	Standard – Cal #5 (25 ug/mL)	
	Enterprise Caffeine	Not available.
	Standard – Cal #6 (50 ug/mL)	
	Enterprise Caffeine	Not available.
	Standard – Cal #7 (100 ug/mL)	
	Enterprise Caffeine	Not available.
	Standard – Cal #8 (200 ug/mL)	



**SECTION 9: Physical and chemical properties**

<b>Melting point/freezing point</b>	: Enterprise Caffeine Standard – Cal #1 (0.5 ug/mL)	0°C
	: Enterprise Caffeine Standard – Cal #2 (1 ug/mL)	0°C
	: Enterprise Caffeine Standard – Cal #3 (2 ug/mL)	0°C
	: Enterprise Caffeine Standard – Cal #4 (5 ug/mL)	0°C
	: Enterprise Caffeine Standard – Cal #5 (25 ug/mL)	0°C
	: Enterprise Caffeine Standard – Cal #6 (50 ug/mL)	0°C
	: Enterprise Caffeine Standard – Cal #7 (100 ug/mL)	0°C
	: Enterprise Caffeine Standard – Cal #8 (200 ug/mL)	0°C
<b>Initial boiling point and boiling range</b>	: Enterprise Caffeine Standard – Cal #1 (0.5 ug/mL)	100°C
	: Enterprise Caffeine Standard – Cal #2 (1 ug/mL)	100°C
	: Enterprise Caffeine Standard – Cal #3 (2 ug/mL)	100°C
	: Enterprise Caffeine Standard – Cal #4 (5 ug/mL)	100°C
	: Enterprise Caffeine Standard – Cal #5 (25 ug/mL)	100°C
	: Enterprise Caffeine Standard – Cal #6 (50 ug/mL)	100°C
	: Enterprise Caffeine Standard – Cal #7 (100 ug/mL)	100°C
	: Enterprise Caffeine Standard – Cal #8 (200 ug/mL)	100°C
<b>Flash point</b>	: Enterprise Caffeine Standard – Cal #1 (0.5 ug/mL)	Closed cup: Not applicable.
	: Enterprise Caffeine Standard – Cal #2 (1 ug/mL)	Closed cup: Not applicable.
	: Enterprise Caffeine Standard – Cal #3 (2 ug/mL)	Closed cup: Not applicable.
	: Enterprise Caffeine Standard – Cal #4 (5 ug/mL)	Closed cup: Not applicable.
	: Enterprise Caffeine Standard – Cal #5 (25 ug/mL)	Closed cup: Not applicable.
	: Enterprise Caffeine	Closed cup: Not applicable.

**SECTION 9: Physical and chemical properties**

	Standard – Cal #6 (50 ug/mL)	
	Enterprise Caffeine Standard – Cal #7 (100 ug/mL)	Closed cup: Not applicable.
	Enterprise Caffeine Standard – Cal #8 (200 ug/mL)	Closed cup: Not applicable.
<b>Evaporation rate</b>	: Enterprise Caffeine Standard – Cal #1 (0.5 ug/mL)	Not available.
	Enterprise Caffeine Standard – Cal #2 (1 ug/mL)	Not available.
	Enterprise Caffeine Standard – Cal #3 (2 ug/mL)	Not available.
	Enterprise Caffeine Standard – Cal #4 (5 ug/mL)	Not available.
	Enterprise Caffeine Standard – Cal #5 (25 ug/mL)	Not available.
	Enterprise Caffeine Standard – Cal #6 (50 ug/mL)	Not available.
	Enterprise Caffeine Standard – Cal #7 (100 ug/mL)	Not available.
	Enterprise Caffeine Standard – Cal #8 (200 ug/mL)	Not available.
<b>Flammability (solid, gas)</b>	: Enterprise Caffeine Standard – Cal #1 (0.5 ug/mL)	Not applicable.
	Enterprise Caffeine Standard – Cal #2 (1 ug/mL)	Not applicable.
	Enterprise Caffeine Standard – Cal #3 (2 ug/mL)	Not applicable.
	Enterprise Caffeine Standard – Cal #4 (5 ug/mL)	Not applicable.
	Enterprise Caffeine Standard – Cal #5 (25 ug/mL)	Not applicable.
	Enterprise Caffeine Standard – Cal #6 (50 ug/mL)	Not applicable.
	Enterprise Caffeine Standard – Cal #7 (100 ug/mL)	Not applicable.
	Enterprise Caffeine Standard – Cal #8 (200 ug/mL)	Not applicable.
<b>Upper/lower flammability or explosive limits</b>	: Enterprise Caffeine Standard – Cal #1 (0.5 ug/mL)	Not available.
	Enterprise Caffeine Standard – Cal #2 (1 ug/mL)	Not available.
	Enterprise Caffeine	Not available.

**SECTION 9: Physical and chemical properties**

	Standard – Cal #3 (2 ug/mL)	
	Enterprise Caffeine Standard – Cal #4 (5 ug/mL)	Not available.
	Enterprise Caffeine Standard – Cal #5 (25 ug/mL)	Not available.
	Enterprise Caffeine Standard – Cal #6 (50 ug/mL)	Not available.
	Enterprise Caffeine Standard – Cal #7 (100 ug/mL)	Not available.
	Enterprise Caffeine Standard – Cal #8 (200 ug/mL)	Not available.
<b>Vapour pressure</b>	: Enterprise Caffeine Standard – Cal #1 (0.5 ug/mL)	2.3 kPa [room temperature]
	Enterprise Caffeine Standard – Cal #2 (1 ug/mL)	2.3 kPa [room temperature]
	Enterprise Caffeine Standard – Cal #3 (2 ug/mL)	2.3 kPa [room temperature]
	Enterprise Caffeine Standard – Cal #4 (5 ug/mL)	2.3 kPa [room temperature]
	Enterprise Caffeine Standard – Cal #5 (25 ug/mL)	2.3 kPa [room temperature]
	Enterprise Caffeine Standard – Cal #6 (50 ug/mL)	2.3 kPa [room temperature]
	Enterprise Caffeine Standard – Cal #7 (100 ug/mL)	2.3 kPa [room temperature]
	Enterprise Caffeine Standard – Cal #8 (200 ug/mL)	2.3 kPa [room temperature]
<b>Vapour density</b>	: Enterprise Caffeine Standard – Cal #1 (0.5 ug/mL)	Not available.
	Enterprise Caffeine Standard – Cal #2 (1 ug/mL)	Not available.
	Enterprise Caffeine Standard – Cal #3 (2 ug/mL)	Not available.
	Enterprise Caffeine Standard – Cal #4 (5 ug/mL)	Not available.
	Enterprise Caffeine Standard – Cal #5 (25 ug/mL)	Not available.
	Enterprise Caffeine Standard – Cal #6 (50 ug/mL)	Not available.
	Enterprise Caffeine Standard – Cal #7 (100 ug/mL)	Not available.
	Enterprise Caffeine	Not available.

**SECTION 9: Physical and chemical properties**

	Standard – Cal #8 (200 ug/mL)	
<b>Relative density</b>	: Enterprise Caffeine Standard – Cal #1 (0.5 ug/mL)	1
	Enterprise Caffeine Standard – Cal #2 (1 ug/mL)	1
	Enterprise Caffeine Standard – Cal #3 (2 ug/mL)	1
	Enterprise Caffeine Standard – Cal #4 (5 ug/mL)	1
	Enterprise Caffeine Standard – Cal #5 (25 ug/mL)	1
	Enterprise Caffeine Standard – Cal #6 (50 ug/mL)	1
	Enterprise Caffeine Standard – Cal #7 (100 ug/mL)	1
	Enterprise Caffeine Standard – Cal #8 (200 ug/mL)	1
<b>Solubility(ies)</b>	: Enterprise Caffeine Standard – Cal #1 (0.5 ug/mL)	Easily soluble in the following materials: cold water and hot water.
	Enterprise Caffeine Standard – Cal #2 (1 ug/mL)	Easily soluble in the following materials: cold water and hot water.
	Enterprise Caffeine Standard – Cal #3 (2 ug/mL)	Easily soluble in the following materials: cold water and hot water.
	Enterprise Caffeine Standard – Cal #4 (5 ug/mL)	Easily soluble in the following materials: cold water and hot water.
	Enterprise Caffeine Standard – Cal #5 (25 ug/mL)	Easily soluble in the following materials: cold water and hot water.
	Enterprise Caffeine Standard – Cal #6 (50 ug/mL)	Easily soluble in the following materials: cold water and hot water.
	Enterprise Caffeine Standard – Cal #7 (100 ug/mL)	Easily soluble in the following materials: cold water and hot water.
	Enterprise Caffeine Standard – Cal #8 (200 ug/mL)	Easily soluble in the following materials: cold water and hot water.
<b>Partition coefficient: n-octanol/water</b>	: Enterprise Caffeine Standard – Cal #1 (0.5 ug/mL)	Not available.
	Enterprise Caffeine Standard – Cal #2 (1 ug/mL)	Not available.
	Enterprise Caffeine Standard – Cal #3 (2 ug/mL)	Not available.
	Enterprise Caffeine Standard – Cal #4 (5 ug/mL)	Not available.
	Enterprise Caffeine Standard – Cal #5 (25 ug/mL)	Not available.

**SECTION 9: Physical and chemical properties**

	ug/mL)	
	Enterprise Caffeine Standard – Cal #6 (50 ug/mL)	Not available.
	Enterprise Caffeine Standard – Cal #7 (100 ug/mL)	Not available.
	Enterprise Caffeine Standard – Cal #8 (200 ug/mL)	Not available.
<b>Auto-ignition temperature</b>	: Enterprise Caffeine Standard – Cal #1 (0.5 ug/mL)	Not available.
	Enterprise Caffeine Standard – Cal #2 (1 ug/mL)	Not available.
	Enterprise Caffeine Standard – Cal #3 (2 ug/mL)	Not available.
	Enterprise Caffeine Standard – Cal #4 (5 ug/mL)	Not available.
	Enterprise Caffeine Standard – Cal #5 (25 ug/mL)	Not available.
	Enterprise Caffeine Standard – Cal #6 (50 ug/mL)	Not available.
	Enterprise Caffeine Standard – Cal #7 (100 ug/mL)	Not available.
	Enterprise Caffeine Standard – Cal #8 (200 ug/mL)	Not available.
<b>Decomposition temperature</b>	: Enterprise Caffeine Standard – Cal #1 (0.5 ug/mL)	Not available.
	Enterprise Caffeine Standard – Cal #2 (1 ug/mL)	Not available.
	Enterprise Caffeine Standard – Cal #3 (2 ug/mL)	Not available.
	Enterprise Caffeine Standard – Cal #4 (5 ug/mL)	Not available.
	Enterprise Caffeine Standard – Cal #5 (25 ug/mL)	Not available.
	Enterprise Caffeine Standard – Cal #6 (50 ug/mL)	Not available.
	Enterprise Caffeine Standard – Cal #7 (100 ug/mL)	Not available.
	Enterprise Caffeine Standard – Cal #8 (200 ug/mL)	Not available.

**SECTION 9: Physical and chemical properties**

<b>Viscosity</b>	: Enterprise Caffeine Standard – Cal #1 (0.5 ug/mL)	Not available.
	Enterprise Caffeine Standard – Cal #2 (1 ug/mL)	Not available.
	Enterprise Caffeine Standard – Cal #3 (2 ug/mL)	Not available.
	Enterprise Caffeine Standard – Cal #4 (5 ug/mL)	Not available.
	Enterprise Caffeine Standard – Cal #5 (25 ug/mL)	Not available.
	Enterprise Caffeine Standard – Cal #6 (50 ug/mL)	Not available.
	Enterprise Caffeine Standard – Cal #7 (100 ug/mL)	Not available.
	Enterprise Caffeine Standard – Cal #8 (200 ug/mL)	Not available.
<b>Explosive properties</b>	: Enterprise Caffeine Standard – Cal #1 (0.5 ug/mL)	Not available.
	Enterprise Caffeine Standard – Cal #2 (1 ug/mL)	Not available.
	Enterprise Caffeine Standard – Cal #3 (2 ug/mL)	Not available.
	Enterprise Caffeine Standard – Cal #4 (5 ug/mL)	Not available.
	Enterprise Caffeine Standard – Cal #5 (25 ug/mL)	Not available.
	Enterprise Caffeine Standard – Cal #6 (50 ug/mL)	Not available.
	Enterprise Caffeine Standard – Cal #7 (100 ug/mL)	Not available.
	Enterprise Caffeine Standard – Cal #8 (200 ug/mL)	Not available.
<b>Oxidising properties</b>	: Enterprise Caffeine Standard – Cal #1 (0.5 ug/mL)	Not available.
	Enterprise Caffeine Standard – Cal #2 (1 ug/mL)	Not available.
	Enterprise Caffeine Standard – Cal #3 (2 ug/mL)	Not available.
	Enterprise Caffeine Standard – Cal #4 (5 ug/mL)	Not available.
	Enterprise Caffeine Standard – Cal #5 (25 ug/mL)	Not available.
	Enterprise Caffeine	Not available.

**SECTION 9: Physical and chemical properties**

Standard – Cal #6 (50 ug/mL)	
Enterprise Caffeine	Not available.
Standard – Cal #7 (100 ug/mL)	
Enterprise Caffeine	Not available.
Standard – Cal #8 (200 ug/mL)	

**9.2 Other information**

No additional information.

**SECTION 10: Stability and reactivity**

<b>10.1 Reactivity</b>	:	Enterprise Caffeine Standard – Cal #1 (0.5 ug/mL)	No specific test data related to reactivity available for this product or its ingredients.
		Enterprise Caffeine Standard – Cal #2 (1 ug/mL)	No specific test data related to reactivity available for this product or its ingredients.
		Enterprise Caffeine Standard – Cal #3 (2 ug/mL)	No specific test data related to reactivity available for this product or its ingredients.
		Enterprise Caffeine Standard – Cal #4 (5 ug/mL)	No specific test data related to reactivity available for this product or its ingredients.
		Enterprise Caffeine Standard – Cal #5 (25 ug/mL)	No specific test data related to reactivity available for this product or its ingredients.
		Enterprise Caffeine Standard – Cal #6 (50 ug/mL)	No specific test data related to reactivity available for this product or its ingredients.
		Enterprise Caffeine Standard – Cal #7 (100 ug/mL)	No specific test data related to reactivity available for this product or its ingredients.
		Enterprise Caffeine Standard – Cal #8 (200 ug/mL)	No specific test data related to reactivity available for this product or its ingredients.
<b>10.2 Chemical stability</b>	:	Enterprise Caffeine Standard – Cal #1 (0.5 ug/mL)	The product is stable.
		Enterprise Caffeine Standard – Cal #2 (1 ug/mL)	The product is stable.
		Enterprise Caffeine Standard – Cal #3 (2 ug/mL)	The product is stable.
		Enterprise Caffeine Standard – Cal #4 (5 ug/mL)	The product is stable.
		Enterprise Caffeine Standard – Cal #5 (25 ug/mL)	The product is stable.
		Enterprise Caffeine Standard – Cal #6 (50 ug/mL)	The product is stable.
		Enterprise Caffeine Standard – Cal #7 (100 ug/mL)	The product is stable.
		Enterprise Caffeine Standard – Cal #8 (200 ug/mL)	The product is stable.

**SECTION 10: Stability and reactivity**

<b>10.3 Possibility of hazardous reactions</b>	: Enterprise Caffeine Standard – Cal #1 (0.5 ug/mL)	Under normal conditions of storage and use, hazardous reactions will not occur.
	Enterprise Caffeine Standard – Cal #2 (1 ug/mL)	Under normal conditions of storage and use, hazardous reactions will not occur.
	Enterprise Caffeine Standard – Cal #3 (2 ug/mL)	Under normal conditions of storage and use, hazardous reactions will not occur.
	Enterprise Caffeine Standard – Cal #4 (5 ug/mL)	Under normal conditions of storage and use, hazardous reactions will not occur.
	Enterprise Caffeine Standard – Cal #5 (25 ug/mL)	Under normal conditions of storage and use, hazardous reactions will not occur.
	Enterprise Caffeine Standard – Cal #6 (50 ug/mL)	Under normal conditions of storage and use, hazardous reactions will not occur.
	Enterprise Caffeine Standard – Cal #7 (100 ug/mL)	Under normal conditions of storage and use, hazardous reactions will not occur.
	Enterprise Caffeine Standard – Cal #8 (200 ug/mL)	Under normal conditions of storage and use, hazardous reactions will not occur.
<b>10.4 Conditions to avoid</b>	: Enterprise Caffeine Standard – Cal #1 (0.5 ug/mL)	No specific data.
	Enterprise Caffeine Standard – Cal #2 (1 ug/mL)	No specific data.
	Enterprise Caffeine Standard – Cal #3 (2 ug/mL)	No specific data.
	Enterprise Caffeine Standard – Cal #4 (5 ug/mL)	No specific data.
	Enterprise Caffeine Standard – Cal #5 (25 ug/mL)	No specific data.
	Enterprise Caffeine Standard – Cal #6 (50 ug/mL)	No specific data.
	Enterprise Caffeine Standard – Cal #7 (100 ug/mL)	No specific data.
	Enterprise Caffeine Standard – Cal #8 (200 ug/mL)	No specific data.
<b>10.5 Incompatible materials</b>	: Enterprise Caffeine Standard – Cal #1 (0.5 ug/mL)	May react or be incompatible with oxidising materials.
	Enterprise Caffeine Standard – Cal #2 (1 ug/mL)	May react or be incompatible with oxidising materials.
	Enterprise Caffeine Standard – Cal #3 (2 ug/mL)	May react or be incompatible with oxidising materials.
	Enterprise Caffeine Standard – Cal #4 (5 ug/mL)	May react or be incompatible with oxidising materials.



## SECTION 10: Stability and reactivity

Enterprise Caffeine Standard – Cal #5 (25 ug/mL)	May react or be incompatible with oxidising materials.
Enterprise Caffeine Standard – Cal #6 (50 ug/mL)	May react or be incompatible with oxidising materials.
Enterprise Caffeine Standard – Cal #7 (100 ug/mL)	May react or be incompatible with oxidising materials.
Enterprise Caffeine Standard – Cal #8 (200 ug/mL)	May react or be incompatible with oxidising materials.

### 10.6 Hazardous decomposition products

: Enterprise Caffeine Standard – Cal #1 (0.5 ug/mL)	Under normal conditions of storage and use, hazardous decomposition products should not be produced.
Enterprise Caffeine Standard – Cal #2 (1 ug/mL)	Under normal conditions of storage and use, hazardous decomposition products should not be produced.
Enterprise Caffeine Standard – Cal #3 (2 ug/mL)	Under normal conditions of storage and use, hazardous decomposition products should not be produced.
Enterprise Caffeine Standard – Cal #4 (5 ug/mL)	Under normal conditions of storage and use, hazardous decomposition products should not be produced.
Enterprise Caffeine Standard – Cal #5 (25 ug/mL)	Under normal conditions of storage and use, hazardous decomposition products should not be produced.
Enterprise Caffeine Standard – Cal #6 (50 ug/mL)	Under normal conditions of storage and use, hazardous decomposition products should not be produced.
Enterprise Caffeine Standard – Cal #7 (100 ug/mL)	Under normal conditions of storage and use, hazardous decomposition products should not be produced.
Enterprise Caffeine Standard – Cal #8 (200 ug/mL)	Under normal conditions of storage and use, hazardous decomposition products should not be produced.

## SECTION 11: Toxicological information

### 11.1 Information on toxicological effects

#### Acute toxicity

Not available.

#### Acute toxicity estimates

Not available.

#### Irritation/Corrosion

**Conclusion/Summary** : Not available.

#### Sensitiser

**Conclusion/Summary** : Not available.

#### Specific target organ toxicity (single exposure)

Not available.

#### Specific target organ toxicity (repeated exposure)

Not available.

#### Aspiration hazard

Not available.

**SECTION 11: Toxicological information**

<b>Information on likely routes of exposure</b>	:	Enterprise Caffeine Standard – Cal #1 (0.5 ug/mL)	Not available.
		Enterprise Caffeine Standard – Cal #2 (1 ug/mL)	Not available.
		Enterprise Caffeine Standard – Cal #3 (2 ug/mL)	Not available.
		Enterprise Caffeine Standard – Cal #4 (5 ug/mL)	Not available.
		Enterprise Caffeine Standard – Cal #5 (25 ug/mL)	Not available.
		Enterprise Caffeine Standard – Cal #6 (50 ug/mL)	Not available.
		Enterprise Caffeine Standard – Cal #7 (100 ug/mL)	Not available.
		Enterprise Caffeine Standard – Cal #8 (200 ug/mL)	Not available.
<b><u>Potential acute health effects</u></b>			
<b>Inhalation</b>	:	Enterprise Caffeine Standard – Cal #1 (0.5 ug/mL)	No known significant effects or critical hazards.
		Enterprise Caffeine Standard – Cal #2 (1 ug/mL)	No known significant effects or critical hazards.
		Enterprise Caffeine Standard – Cal #3 (2 ug/mL)	No known significant effects or critical hazards.
		Enterprise Caffeine Standard – Cal #4 (5 ug/mL)	No known significant effects or critical hazards.
		Enterprise Caffeine Standard – Cal #5 (25 ug/mL)	No known significant effects or critical hazards.
		Enterprise Caffeine Standard – Cal #6 (50 ug/mL)	No known significant effects or critical hazards.
		Enterprise Caffeine Standard – Cal #7 (100 ug/mL)	No known significant effects or critical hazards.
		Enterprise Caffeine Standard – Cal #8 (200 ug/mL)	No known significant effects or critical hazards.
<b>Ingestion</b>	:	Enterprise Caffeine Standard – Cal #1 (0.5 ug/mL)	No known significant effects or critical hazards.
		Enterprise Caffeine Standard – Cal #2 (1 ug/mL)	No known significant effects or critical hazards.
		Enterprise Caffeine Standard – Cal #3 (2 ug/mL)	No known significant effects or critical hazards.
		Enterprise Caffeine Standard – Cal #4 (5 ug/mL)	No known significant effects or critical hazards.
		Enterprise Caffeine Standard – Cal #5 (25 ug/mL)	No known significant effects or critical hazards.

**SECTION 11: Toxicological information**

	ug/mL)	
	Enterprise Caffeine Standard – Cal #6 (50	No known significant effects or critical hazards.
	ug/mL)	
	Enterprise Caffeine Standard – Cal #7 (100	No known significant effects or critical hazards.
	ug/mL)	
	Enterprise Caffeine Standard – Cal #8 (200	No known significant effects or critical hazards.
	ug/mL)	
<b>Skin contact</b>	: Enterprise Caffeine Standard – Cal #1 (0.5	No known significant effects or critical hazards.
	ug/mL)	
	Enterprise Caffeine Standard – Cal #2 (1 ug/	No known significant effects or critical hazards.
	mL)	
	Enterprise Caffeine Standard – Cal #3 (2 ug/	No known significant effects or critical hazards.
	mL)	
	Enterprise Caffeine Standard – Cal #4 (5 ug/	No known significant effects or critical hazards.
	mL)	
	Enterprise Caffeine Standard – Cal #5 (25	No known significant effects or critical hazards.
	ug/mL)	
	Enterprise Caffeine Standard – Cal #6 (50	No known significant effects or critical hazards.
	ug/mL)	
	Enterprise Caffeine Standard – Cal #7 (100	No known significant effects or critical hazards.
	ug/mL)	
	Enterprise Caffeine Standard – Cal #8 (200	No known significant effects or critical hazards.
	ug/mL)	
<b>Eye contact</b>	: Enterprise Caffeine Standard – Cal #1 (0.5	No known significant effects or critical hazards.
	ug/mL)	
	Enterprise Caffeine Standard – Cal #2 (1 ug/	No known significant effects or critical hazards.
	mL)	
	Enterprise Caffeine Standard – Cal #3 (2 ug/	No known significant effects or critical hazards.
	mL)	
	Enterprise Caffeine Standard – Cal #4 (5 ug/	No known significant effects or critical hazards.
	mL)	
	Enterprise Caffeine Standard – Cal #5 (25	No known significant effects or critical hazards.
	ug/mL)	
	Enterprise Caffeine Standard – Cal #6 (50	No known significant effects or critical hazards.
	ug/mL)	
	Enterprise Caffeine Standard – Cal #7 (100	No known significant effects or critical hazards.
	ug/mL)	
	Enterprise Caffeine Standard – Cal #8 (200	No known significant effects or critical hazards.
	ug/mL)	

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

**SECTION 11: Toxicological information**

<b>Inhalation</b>	:	Enterprise Caffeine Standard – Cal #1 (0.5 ug/mL)	No specific data.	
		Enterprise Caffeine Standard – Cal #2 (1 ug/mL)	No specific data.	
		Enterprise Caffeine Standard – Cal #3 (2 ug/mL)	No specific data.	
		Enterprise Caffeine Standard – Cal #4 (5 ug/mL)	No specific data.	
		Enterprise Caffeine Standard – Cal #5 (25 ug/mL)	No specific data.	
		Enterprise Caffeine Standard – Cal #6 (50 ug/mL)	No specific data.	
		Enterprise Caffeine Standard – Cal #7 (100 ug/mL)	No specific data.	
		Enterprise Caffeine Standard – Cal #8 (200 ug/mL)	No specific data.	
	<b>Ingestion</b>	:	Enterprise Caffeine Standard – Cal #1 (0.5 ug/mL)	No specific data.
			Enterprise Caffeine Standard – Cal #2 (1 ug/mL)	No specific data.
		Enterprise Caffeine Standard – Cal #3 (2 ug/mL)	No specific data.	
		Enterprise Caffeine Standard – Cal #4 (5 ug/mL)	No specific data.	
		Enterprise Caffeine Standard – Cal #5 (25 ug/mL)	No specific data.	
		Enterprise Caffeine Standard – Cal #6 (50 ug/mL)	No specific data.	
		Enterprise Caffeine Standard – Cal #7 (100 ug/mL)	No specific data.	
		Enterprise Caffeine Standard – Cal #8 (200 ug/mL)	No specific data.	
<b>Skin contact</b>		:	Enterprise Caffeine Standard – Cal #1 (0.5 ug/mL)	No specific data.
			Enterprise Caffeine Standard – Cal #2 (1 ug/mL)	No specific data.
		Enterprise Caffeine Standard – Cal #3 (2 ug/mL)	No specific data.	
		Enterprise Caffeine Standard – Cal #4 (5 ug/mL)	No specific data.	
		Enterprise Caffeine Standard – Cal #5 (25 ug/mL)	No specific data.	
		Enterprise Caffeine	No specific data.	

**SECTION 11: Toxicological information**

	Standard – Cal #6 (50 ug/mL)	
	Enterprise Caffeine Standard – Cal #7 (100 ug/mL)	No specific data.
	Enterprise Caffeine Standard – Cal #8 (200 ug/mL)	No specific data.
<b>Eye contact</b>	: Enterprise Caffeine Standard – Cal #1 (0.5 ug/mL)	No specific data.
	Enterprise Caffeine Standard – Cal #2 (1 ug/mL)	No specific data.
	Enterprise Caffeine Standard – Cal #3 (2 ug/mL)	No specific data.
	Enterprise Caffeine Standard – Cal #4 (5 ug/mL)	No specific data.
	Enterprise Caffeine Standard – Cal #5 (25 ug/mL)	No specific data.
	Enterprise Caffeine Standard – Cal #6 (50 ug/mL)	No specific data.
	Enterprise Caffeine Standard – Cal #7 (100 ug/mL)	No specific data.
	Enterprise Caffeine Standard – Cal #8 (200 ug/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**

<b>General</b>	: Enterprise Caffeine Standard – Cal #1 (0.5 ug/mL)	No known significant effects or critical hazards.
	Enterprise Caffeine Standard – Cal #2 (1 ug/mL)	No known significant effects or critical hazards.
	Enterprise Caffeine Standard – Cal #3 (2 ug/mL)	No known significant effects or critical hazards.
	Enterprise Caffeine Standard – Cal #4 (5 ug/mL)	No known significant effects or critical hazards.
	Enterprise Caffeine Standard – Cal #5 (25 ug/mL)	No known significant effects or critical hazards.
	Enterprise Caffeine Standard – Cal #6 (50 ug/mL)	No known significant effects or critical hazards.

**SECTION 11: Toxicological information**

	ug/mL)	
	Enterprise Caffeine Standard – Cal #7 (100 ug/mL)	No known significant effects or critical hazards.
	Enterprise Caffeine Standard – Cal #8 (200 ug/mL)	No known significant effects or critical hazards.
<b>Carcinogenicity</b>	: Enterprise Caffeine Standard – Cal #1 (0.5 ug/mL)	No known significant effects or critical hazards.
	Enterprise Caffeine Standard – Cal #2 (1 ug/mL)	No known significant effects or critical hazards.
	Enterprise Caffeine Standard – Cal #3 (2 ug/mL)	No known significant effects or critical hazards.
	Enterprise Caffeine Standard – Cal #4 (5 ug/mL)	No known significant effects or critical hazards.
	Enterprise Caffeine Standard – Cal #5 (25 ug/mL)	No known significant effects or critical hazards.
	Enterprise Caffeine Standard – Cal #6 (50 ug/mL)	No known significant effects or critical hazards.
	Enterprise Caffeine Standard – Cal #7 (100 ug/mL)	No known significant effects or critical hazards.
	Enterprise Caffeine Standard – Cal #8 (200 ug/mL)	No known significant effects or critical hazards.
<b>Mutagenicity</b>	: Enterprise Caffeine Standard – Cal #1 (0.5 ug/mL)	No known significant effects or critical hazards.
	Enterprise Caffeine Standard – Cal #2 (1 ug/mL)	No known significant effects or critical hazards.
	Enterprise Caffeine Standard – Cal #3 (2 ug/mL)	No known significant effects or critical hazards.
	Enterprise Caffeine Standard – Cal #4 (5 ug/mL)	No known significant effects or critical hazards.
	Enterprise Caffeine Standard – Cal #5 (25 ug/mL)	No known significant effects or critical hazards.
	Enterprise Caffeine Standard – Cal #6 (50 ug/mL)	No known significant effects or critical hazards.
	Enterprise Caffeine Standard – Cal #7 (100 ug/mL)	No known significant effects or critical hazards.
	Enterprise Caffeine Standard – Cal #8 (200 ug/mL)	No known significant effects or critical hazards.
<b>Teratogenicity</b>	: Enterprise Caffeine Standard – Cal #1 (0.5 ug/mL)	No known significant effects or critical hazards.
	Enterprise Caffeine Standard – Cal #2 (1 ug/mL)	No known significant effects or critical hazards.
	Enterprise Caffeine Standard – Cal #3 (2 ug/	No known significant effects or critical hazards.

**SECTION 11: Toxicological information**

	mL)	
	Enterprise Caffeine Standard – Cal #4 (5 ug/mL)	No known significant effects or critical hazards.
	Enterprise Caffeine Standard – Cal #5 (25 ug/mL)	No known significant effects or critical hazards.
	Enterprise Caffeine Standard – Cal #6 (50 ug/mL)	No known significant effects or critical hazards.
	Enterprise Caffeine Standard – Cal #7 (100 ug/mL)	No known significant effects or critical hazards.
	Enterprise Caffeine Standard – Cal #8 (200 ug/mL)	No known significant effects or critical hazards.
<b>Developmental effects</b>	: Enterprise Caffeine Standard – Cal #1 (0.5 ug/mL)	No known significant effects or critical hazards.
	Enterprise Caffeine Standard – Cal #2 (1 ug/mL)	No known significant effects or critical hazards.
	Enterprise Caffeine Standard – Cal #3 (2 ug/mL)	No known significant effects or critical hazards.
	Enterprise Caffeine Standard – Cal #4 (5 ug/mL)	No known significant effects or critical hazards.
	Enterprise Caffeine Standard – Cal #5 (25 ug/mL)	No known significant effects or critical hazards.
	Enterprise Caffeine Standard – Cal #6 (50 ug/mL)	No known significant effects or critical hazards.
	Enterprise Caffeine Standard – Cal #7 (100 ug/mL)	No known significant effects or critical hazards.
	Enterprise Caffeine Standard – Cal #8 (200 ug/mL)	No known significant effects or critical hazards.
<b>Fertility effects</b>	: Enterprise Caffeine Standard – Cal #1 (0.5 ug/mL)	No known significant effects or critical hazards.
	Enterprise Caffeine Standard – Cal #2 (1 ug/mL)	No known significant effects or critical hazards.
	Enterprise Caffeine Standard – Cal #3 (2 ug/mL)	No known significant effects or critical hazards.
	Enterprise Caffeine Standard – Cal #4 (5 ug/mL)	No known significant effects or critical hazards.
	Enterprise Caffeine Standard – Cal #5 (25 ug/mL)	No known significant effects or critical hazards.
	Enterprise Caffeine Standard – Cal #6 (50 ug/mL)	No known significant effects or critical hazards.
	Enterprise Caffeine Standard – Cal #7 (100 ug/mL)	No known significant effects or critical hazards.
	Enterprise Caffeine Standard – Cal #8 (200 ug/mL)	No known significant effects or critical hazards.

## SECTION 12: Ecological information

### 12.1 Toxicity

**Conclusion/Summary** : Not available.

### 12.2 Persistence and degradability

Not available.

### 12.3 Bioaccumulative potential

Not available.

### 12.4 Mobility in soil

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

**Mobility** : Not available.

### 12.5 Results of PBT and vPvB assessment

**PBT** : Not applicable.

**vPvB** : Not applicable.

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

## SECTION 13: Disposal considerations

### 13.1 Waste treatment methods

#### Product

**Methods of disposal** : 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.

**Hazardous waste** : Within the present knowledge of the supplier, this product is not regarded as hazardous waste, as defined by EU Directive 2008/98/EC.

#### Packaging

**Methods of disposal** : The generation of waste should be avoided or minimised wherever possible. Waste packaging should be recycled. Incineration or landfill should only be considered when recycling is not feasible.

**Special precautions** : 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

### Regulatory information

**ADR/RID / IMDG / IATA** : Not regulated.

**14.6 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.

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



## SECTION 15: Regulatory information

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

#### EU Regulation (EC) No. 1907/2006 (REACH)

##### Annex XIV - List of substances subject to authorisation

###### Annex XIV

None of the components are listed.

###### Substances of very high concern

None of the components are listed.

<b>Annex XVII - Restrictions on the manufacture, placing on the market and use of certain dangerous substances, mixtures and articles</b>	: Enterprise Caffeine Standard – Cal #1 (0.5 ug/mL)	Not applicable.
	: Enterprise Caffeine Standard – Cal #2 (1 ug/mL)	Not applicable.
	: Enterprise Caffeine Standard – Cal #3 (2 ug/mL)	Not applicable.
	: Enterprise Caffeine Standard – Cal #4 (5 ug/mL)	Not applicable.
	: Enterprise Caffeine Standard – Cal #5 (25 ug/mL)	Not applicable.
	: Enterprise Caffeine Standard – Cal #6 (50 ug/mL)	Not applicable.
	: Enterprise Caffeine Standard – Cal #7 (100 ug/mL)	Not applicable.
	: Enterprise Caffeine Standard – Cal #8 (200 ug/mL)	Not applicable.

#### Other EU regulations

**Europe inventory** : All components are listed or exempted.

##### Ozone depleting substances (1005/2009/EU)

Not listed.

##### Prior Informed Consent (PIC) (649/2012/EU)

Not listed.

##### Seveso Directive

This product is not controlled under the Seveso Directive.

#### 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.


#### International lists

##### National inventory


**Australia** : All components are listed or exempted.

**Canada** : All components are listed or exempted.

## SECTION 15: Regulatory information

- China** : All components are listed or exempted.
  - Japan** :  **Japan inventory (ENCS)**: All components are listed or exempted.  
**Japan inventory (ISHL)**: Not determined.
  - 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.
  - Turkey** : Not determined.
  - United States** : All components are listed or exempted.
- 15.2 Chemical safety assessment** : This product contains substances for which Chemical Safety Assessments might still be required.

## SECTION 16: Other information

 Indicates information that has changed from previously issued version.

- Abbreviations and acronyms** :
- ATE = Acute Toxicity Estimate
  - CLP = Classification, Labelling and Packaging Regulation [Regulation (EC) No. 1272/2008]
  - DNEL = Derived No Effect Level
  - EUH statement = CLP-specific Hazard statement
  - PNEC = Predicted No Effect Concentration
  - RRN = REACH Registration Number

### Procedure used to derive the classification according to Regulation (EC) No. 1272/2008 [CLP/GHS]

Classification	Justification
Not classified.	

### Full text of abbreviated H statements

Not applicable.

### Full text of classifications [CLP/GHS]

Not applicable.

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