SAFETY DATA SHEET



Enterprise Edition Caffeine Standards Kit

Section 1. Identification

| Product identifier | Enterprise Edition Caffeine Standards Kit | |
|--|---|---|
| Part no. (chemical kit) | 5190-0488 | |
| Part no. | Enterprise Caffeine Standard – Cal #1 5190-0488-1 (0.5 ug/mL) | |
| | Enterprise Caffeine Standard – Cal #2 (1 5190-0488-2 ug/mL) | |
| | Enterprise Caffeine Standard – Cal #3 (2 5190-0488-3 | |
| | ug/mL) Enterprise Caffeine Standard – Cal #4 (5 5190-0488-4 | |
| | ug/mL) Enterprise Caffeine Standard – Cal #5 5190-0488-5 | |
| | (25 ug/mL) Enterprise Caffeine Standard – Cal #6 5190-0488-6 | |
| | (50 ug/mL) Enterprise Caffeine Standard – Cal #7 5190-0488-7 (100 ug/mL) | |
| | Enterprise Caffeine Standard – Cal #8 5190-0488-8 (200 ug/mL) | |
| Polovant identified uses of th | substance or mixture and uses advised against | |
| Identified uses | Reagents and Standards for Analytical Chemistry Laboratory Us | ~ |
| identified uses | Enterprise Caffeine Standard – Cal #1 (0.5 1 x 2 ml | 5 |
| | ug/mL) | |
| | Enterprise Caffeine Standard – Cal #2 (1 ug/ 1 x 2 ml | |
| | mL) Enterprise Caffeine Standard – Cal #3 (2 ug/ 1 x 2 ml | |
| | mL) Enterprise Caffeine Standard – Cal #4 (5 ug/ 1 x 2 ml | |
| | mL) Enterprise Caffeine Standard – Cal #5 (25 ug/ 2 x 2 ml | |
| | mL) Enterprise Caffeine Standard – Cal #6 (50 ug/ 1 x 2 ml | |
| | mL) Enterprise Caffeine Standard – Cal #7 (100 1 x 2 ml ug/mL) | |
| | Enterprise Caffeine Standard – Cal #8 (200 1 x 2 ml ug/mL) | |
| Supplier/Manufacturer | Agilent Technologies Australia Pty Ltd 679 Springvale Road Mulgrave Victoria 3170, Australia 1800 802 402 | |
| Emergency telephone number (with hours of operation) | CHEMTREC®: +(61)-290372994 | |

Section 2. Hazard(s) identification

Classification of the substance or mixture Not classified.

| GHS label elements | | | |
|--------------------------|------------------|---|---|
| Signal word | : | Enterprise Caffeine Standard – Cal #1 (0.5 ug/ mL) | No signal word. |
| | | Enterprise Caffeine Standard – Cal #2 (1 ug/mL) Enterprise Caffeine | No signal word. |
| | | | No signal word. |
| | | Standard – Cal #3 (2 ug/mL) 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 | : | 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 | No known significant effects or critical hazards. |
| | | Standard – Cal #4 (5 ug/mL) Enterprise Caffeine Standard – Cal #5 (25 ug/ | No known significant effects or critical hazards. |
| | | mL) Enterprise Caffeine Standard – Cal #6 (50 ug/ | No known significant effects or critical hazards. |
| | | mL) Enterprise Caffeine Standard – Cal #7 (100 ug/ | No known significant effects or critical hazards. |
| | | mL) 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 | Not applicable. |
| | E E E E | Standard – Cal #2 (1 ug/mL) Enterprise Caffeine Standard – Cal #3 (2 ug/mL) | Not applicable. |
| | | Standard – Cal #3 (2 ug/mL) Enterprise Caffeine | Not applicable. |
| | | Standard – Cal #4 (5 ug/mL) Enterprise Caffeine Standard – Cal #5 (25 ug/ | Not applicable. |
| | | mL) Enterprise Caffeine Standard – Cal #6 (50 ug/ | Not applicable. |

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Section 2. Hazard(s) identification

| | mL) Enterprise Caffeine Standard – Cal #7 (100 ug/ | Not applicable. |
|----------|---|-----------------|
| | mL) Enterprise Caffeine Standard – Cal #8 (200 ug/ mL) | Not applicable. |
| Response | : Enterprise Caffeine Standard – Cal #1 (0.5 ug/ mL) | Not applicable. |
| | Enterprise Caffeine | Not applicable. |
| | Standard – Cal #2 (1 ug/mL) Enterprise Caffeine | Not applicable. |
| | Standard – Cal #3 (2 ug/mL) Enterprise Caffeine | Not applicable. |
| | Standard – Cal #4 (5 ug/mL) Enterprise Caffeine Standard – Cal #5 (25 ug/ | Not applicable. |
| | mL) Enterprise Caffeine Standard – Cal #6 (50 ug/ | Not applicable. |
| | mL) Enterprise Caffeine Standard – Cal #7 (100 ug/ | Not applicable. |
| | mL) Enterprise Caffeine Standard – Cal #8 (200 ug/ mL) | Not applicable. |
| Storage | : Enterprise Caffeine Standard – Cal #1 (0.5 ug/ | Not applicable. |
| | mL) Enterprise Caffeine | Not applicable. |
| | Standard – Cal #2 (1 ug/mL) Enterprise Caffeine | Not applicable. |
| | Standard – Cal #3 (2 ug/mL) Enterprise Caffeine | Not applicable. |
| | Standard – Cal #4 (5 ug/mL) Enterprise Caffeine Standard – Cal #5 (25 ug/ | Not applicable. |
| | mL) Enterprise Caffeine Standard – Cal #6 (50 ug/ | Not applicable. |
| | mL) Enterprise Caffeine Standard – Cal #7 (100 ug/ | Not applicable. |
| | mL) Enterprise Caffeine Standard – Cal #8 (200 ug/ mL) | Not applicable. |
| Disposal | : Enterprise Caffeine Standard – Cal #1 (0.5 ug/ | Not applicable. |
| | mL) Enterprise Caffeine Stendard – Cel #2 (1 us/mL) | Not applicable. |
| | Standard – Cal #2 (1 ug/mL) Enterprise Caffeine Standard – Cal #3 (2 ug/mL) | Not applicable. |
| | Standard – Cal #3 (2 ug/mL) Enterprise Caffeine Standard – Cal #4 (5 ug/mL) | Not applicable. |
| | Enterprise Caffeine Standard – Cal #5 (25 ug/ | Not applicable. |
| | mL) Enterprise Caffeine | Not applicable. |

Section 2. Hazard(s) identification

| Section 2. nazaru(s | Identification | |
|---|---|-----------------|
| | Standard – Cal #6 (50 ug/ mL) Enterprise Caffeine Standard – Cal #7 (100 ug/ | Not applicable. |
| | mL) Enterprise Caffeine Standard – Cal #8 (200 ug/ mL) | Not applicable. |
| Supplemental label elements | | |
| Additional warning : phrases | 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 hazards which do not : result in classification | Enterprise Caffeine Standard – Cal #1 (0.5 ug/ | None known. |
| | mL) 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 and ingredient information

| Substance/mixture | : 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 _) |

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|--------------------------------|--------------|------------------------|--------------|-------------|------|

Section 3. Composition and ingredient information

Enterprise Caffeine Mixture Standard - Cal #4 (5 ug/mL) Enterprise Caffeine Mixture Standard - Cal #5 (25 ug/ mL) **Enterprise Caffeine** Mixture Standard - Cal #6 (50 ug/ mL) **Enterprise Caffeine** Mixture Standard - Cal #7 (100 ug/ mL) **Enterprise Caffeine** Mixture Standard - Cal #8 (200 ug/ mL)

CAS number/other identifiers

There are no ingredients present which, within the current knowledge of the supplier and in the concentrations applicable, are classified and hence require reporting in this section. The total concentration of ingredients in this product, reported or not in this section, is 100%.

| Description of necessary 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 | | | |
| | Enterprise Caffeine Standard – Cal #3 (2 ug/mL) | medical attention if irritation occurs. 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) Enterprise Caffeine Standard – Cal #2 (1 ug/mL) Enterprise Caffeine Standard – Cal #3 (2 ug/mL) Enterprise Caffeine Standard – Cal #3 (2 ug/mL) Enterprise Caffeine Standard – Cal #4 (5 ug/mL) Enterprise Caffeine Standard – Cal #6 (50 ug/mL) Enterprise Caffeine Standard – Cal #6 (50 ug/mL) |
|--------------------------------|---|
| | mL)attention if symptoms occur.Enterprise CaffeineRemove victim to fresh air and keep at rest in aStandard – Cal #7 (100 ug/position comfortable for breathing. Get medicalmL)attention if symptoms occur.Enterprise CaffeineRemove victim to fresh air and keep at rest in aStandard – Cal #8 (200 ug/position comfortable for breathing. Get medicalmL)attention if symptoms occur.Bandard – Cal #8 (200 ug/position comfortable for breathing. Get medicalattention if symptoms occur.attention if symptoms occur. |
| Skin contact | 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) Flush contaminated skin with plenty of water. 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 skin with plenty of water. Remove contaminated skin with plenty of water. Flush contaminated skin with plenty of water. Remove contaminated skin with plenty of water. Standard – Cal #3 (2 ug/mL) |
| | Enterprise CaffeineFlush contaminated skin with plenty of water.Standard – Cal #4 (5 ug/mL)Remove contaminated clothing and shoes. Get medical attention if symptoms occur.Enterprise CaffeineFlush contaminated skin with plenty of water. |
| | Standard – Cal #5 (25 ug/ mL)Remove contaminated clothing and shoes. Get medical attention if symptoms occur.Enterprise Caffeine ML)Flush contaminated skin with plenty of water.Enterprise Caffeine ML)Flush contaminated skin with plenty of water.Standard – Cal #6 (50 ug/ mL)Remove contaminated clothing and shoes. Get medical attention if symptoms occur.Enterprise Caffeine ML)Flush contaminated skin with plenty of water.Enterprise Caffeine ML)Remove contaminated clothing and shoes. Get medical attention if symptoms occur.Enterprise Caffeine Standard – Cal #8 (200 ug/ mL)Remove contaminated skin with plenty of water.Enterprise Caffeine Standard – Cal #8 (200 ug/ mL)Remove contaminated clothing and shoes. Get medical attention if symptoms occur. |
| Ingestion | : Enterprise Caffeine Standard – Cal #1 (0.5 ug/ mL) Wash out mouth with water. 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. |
| | Enterprise Caffeine Standard – Cal #2 (1 ug/mL)Wash out mouth with water. 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. If material has been |
| | Standard – Cal #3 (2 ug/mL) 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. |
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| Enterprise Caffeine Standard – Cal #4 (5 ug/mL) | Wash out mouth with water. 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. |
|--|--|
| Enterprise Caffeine Standard – Cal #5 (25 ug/ mL) | Wash out mouth with water. 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. |
| Enterprise Caffeine Standard – Cal #6 (50 ug/ mL) | Wash out mouth with water. 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. |
| Enterprise Caffeine Standard – Cal #7 (100 ug/ mL) | Wash out mouth with water. 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. |
| Enterprise Caffeine Standard – Cal #8 (200 ug/ mL) | Wash out mouth with water. If material has been swallowed and the exposed person is conscious, give small quantities of water to drink. Do not induce vomiting unless directed to do so by medical personnel. Get medical attention if symptoms occur. |

Most important symptoms/effects, acute and delayed

| Potential acute health effects | | |
|--------------------------------|--|---|
| Eye contact : | 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. |
| Inhalation : | 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) Enterprise Caffeine Standard – Cal #4 (5 ug/mL) | No known significant effects or critical hazards. |
| | | 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. |

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| | Standard – Cal #6 (50 ug/ | | | |
|------------------------------|---|---|--|--|
| | mL) Enterprise Caffeine Standard – Cal #7 (100 ug/ | No known significant effects or critical hazards. | | |
| | mL) Enterprise Caffeine Standard – Cal #8 (200 ug/ mL) | No known significant effects or critical hazards. | | |
| Skin contact : | Enterprise Caffeine Standard – Cal #1 (0.5 ug/ mL) | No known significant effects or critical hazards. | | |
| | Enterprise Caffeine | No known significant effects or critical hazards. | | |
| | Standard – Cal #2 (1 ug/mL) Enterprise Caffeine | No known significant effects or critical hazards. | | |
| | Standard – Cal #3 (2 ug/mL) Enterprise Caffeine | No known significant effects or critical hazards. | | |
| | Standard – Cal #4 (5 ug/mL) Enterprise Caffeine Standard – Cal #5 (25 ug/ | No known significant effects or critical hazards. | | |
| | mL) Enterprise Caffeine Standard – Cal #6 (50 ug/ | No known significant effects or critical hazards. | | |
| | 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. | | |
| Ingestion : | Enterprise Caffeine Standard – Cal #1 (0.5 ug/ mL) | No known significant effects or critical hazards. | | |
| | Enterprise Caffeine | No known significant effects or critical hazards. | | |
| | Standard – Cal #2 (1 ug/mL) Enterprise Caffeine | No known significant effects or critical hazards. | | |
| | Standard – Cal #3 (2 ug/mL) Enterprise Caffeine | No known significant effects or critical hazards. | | |
| | Standard – Cal #4 (5 ug/mL) Enterprise Caffeine Standard – Cal #5 (25 ug/ | No known significant effects or critical hazards. | | |
| | mL) 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. | | |
| Over-exposure signs/symptoms | | | | |
| Eye contact : | Enterprise Caffeine Standard – Cal #1 (0.5 ug/ | No specific data. | | |
| | mL) Enterprise Caffeine | No specific data. | | |
| | Standard – Cal #2 (1 ug/mL) Enterprise Caffeine Standard – Cal #3 (2 ug/mL) | No specific data. | | |
| | Enterprise Caffeine | No specific data. | | |
| | Standard – Cal #4 (5 ug/mL) Enterprise Caffeine Standard – Cal #5 (25 ug/ | No specific data. | | |

| | mL) Enterprise Caffeine Standard – Cal #6 (50 ug/ | No specific data. |
|----------------|---|-------------------|
| | mL) Enterprise Caffeine Standard – Cal #7 (100 ug/ | No specific data. |
| | mL) 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 | No specific data. |
| | Standard – Cal #2 (1 ug/mL) 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/ | No specific data. |
| | mL) Enterprise Caffeine Standard – Cal #6 (50 ug/ | No specific data. |
| | mL) Enterprise Caffeine Standard – Cal #7 (100 ug/ mL) | No specific data. |
| | Enterprise Caffeine Standard – Cal #8 (200 ug/ mL) | No specific data. |
| 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/ | No specific data. |
| | mL) Enterprise Caffeine Standard – Cal #6 (50 ug/ | No specific data. |
| | mL) Enterprise Caffeine Standard – Cal #7 (100 ug/ | No specific data. |
| | mL) Enterprise Caffeine Standard – Cal #8 (200 ug/ mL) | No specific data. |
| Ingestion : | Enterprise Caffeine Standard – Cal #1 (0.5 ug/ | No specific data. |
| | mL) 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/ | No specific data. |
| | | |

| | mL) Enterprise Caffeine Standard – Cal #6 (50 ug/ | No specific data. |
|--------------------------------|---|---|
| | mL) Enterprise Caffeine Standard – Cal #7 (100 ug/ mL) | No specific data. |
| | Enterprise Caffeine Standard – Cal #8 (200 ug/ mL) | No specific data. |
| | , | |
| Indication of immediate medica | al attention and special treatn | <u>nent needed, if necessary</u> |
| 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 #5 (25 ug/ mL) | Treat symptomatically. Contact poison treatment specialist 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. |
| Specific treatments : | 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. |
| | Énterprise Caffeine Standard – Cal #7 (100 ug/ mL) | No specific treatment. |
| | Enterprise Caffeine Standard – Cal #8 (200 ug/ mL) | No specific treatment. |
| | | |

| Protection of first-aiders | : 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 |
| | Enterprise Caffeine Standard – Cal #4 (5 ug/mL) | No action shall be taken involving any personal risk |
| | Enterprise Caffeine Standard – Cal #5 (25 ug/ | No action shall be taken involving any personal risk or without suitable training. |
| | mL) Enterprise Caffeine Standard – Cal #6 (50 ug/ | No action shall be taken involving any personal risk or without suitable training. |
| | mL) 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. |
| | | |

See toxicological information (Section 11)

Section 5. Firefighting measures

Extinguishing media

| Extinguishing media | | |
|--------------------------------|--|--|
| Suitable extinguishing media | : 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 | Use an extinguishing agent suitable for the |
| | Standard – Cal #3 (2 ug/mL) Enterprise Caffeine | surrounding fire. Use an extinguishing agent suitable for the |
| | Standard – Cal #4 (5 ug/mL) | 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. |
| Unsuitable extinguishing media | : 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. |
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Section 5. Firefighting measures

| | Enterprise Caffeine No Standard – Cal #7 (100 ug/ mL) | one known. |
|--|---|---|
| | | one known. |
| Specific hazards arising from the chemical | | a fire or if heated, a pressure increase will occur nd the container may burst. |
| | Enterprise Caffeine In | a fire or if heated, a pressure increase will occur nd the container may burst. |
| | Enterprise Caffeine In | a fire or if heated, a pressure increase will occur |
| | | nd the container may burst. a fire or if heated, a pressure increase will occur |
| | | nd the container may burst. |
| | • | a fire or if heated, a pressure increase will occur nd the container may burst. |
| | Enterprise Caffeine In | a fire or if heated, a pressure increase will occur nd the container may burst. |
| | Enterprise Caffeine In | a fire or if heated, a pressure increase will occur nd the container may burst. |
| | Enterprise Caffeine In | a fire or if heated, a pressure increase will occur nd the container may burst. |
| Hazardous thermal decomposition products | , | o specific data. |
| | | o specific data. |
| | Enterprise Caffeine No | o specific data. |
| | | o specific data. |
| | Standard – Cal #5 (25 ug/ | o specific data. |
| | mL) Enterprise Caffeine No Standard – Cal #6 (50 ug/ mL) | o specific data. |
| | | o specific data. |
| | | o specific data. |
| Special protective actions for fire-fighters | Standard – Cal #1 (0.5 ug/ fro mL) ac | romptly isolate the scene by removing all persons om the vicinity of the incident if there is a fire. No ction shall be taken involving any personal risk or ithout suitable training. |
| | Enterprise Caffeine Pr Standard – Cal #2 (1 ug/mL) fro ac | romptly isolate the scene by removing all persons om the vicinity of the incident if there is a fire. No ction shall be taken involving any personal risk or |
| | Enterprise Caffeine Pr Standard – Cal #3 (2 ug/mL) fro | ithout suitable training. romptly isolate the scene by removing all persons om the vicinity of the incident if there is a fire. No ction shall be taken involving any personal risk or |
| | wi | ithout suitable training. |

Section 5. Firefighting measures

| 0 | 0 | |
|---|--|--|
| | 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. |
| | 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. |
| | 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. |
| | 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. |
| | Enterprise Caffeine Standard – Cal #5 (25 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. |
| | Enterprise Caffeine Standard – Cal #6 (50 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. |
| | Enterprise Caffeine Standard – Cal #7 (100 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. |
| | Enterprise Caffeine Standard – Cal #8 (200 ug/ mL) | Fire-fighters should wear appropriate protective equipment and self-contained breathing apparatus (SCBA) with a full face-piece operated in positive pressure mode. |
| Section 6 Accident | al roloaco moacur | |

Section 6. Accidental release measures

| For non-emergency personnel | : Enterprise Standard mL) | – Cal #1 (0.5 ug/ or are pe thr | action shall be taken in without suitable training. eas. Keep unnecessary rsonnel from entering. E ough spilt material. Put otective equipment. | Evacuate sur and unprotecte to not touch or | roundin ed [.] walk | ng |
|--------------------------------|---------------------------------|--|--|---|------------------------------------|-------|
| | Enterprise | e Caffeine No | action shall be taken in | volving any pe | rsonal ri | isk |
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Section 6. Accidental release measures

| | Standard – Cal #2 (1 ug/mL) | or without suitable training. Evacuate surrounding areas. Keep unnecessary and unprotected personnel from entering. Do not touch or walk through spilt material. Put on appropriate personal protective equipment. |
|----------------------------|--|---|
| | Enterprise Caffeine Standard – Cal #3 (2 ug/mL) | No action shall be taken involving any personal risk or without suitable training. Evacuate surrounding areas. Keep unnecessary and unprotected personnel from entering. Do not touch or walk through spilt material. Put on appropriate personal protective equipment. |
| | Enterprise Caffeine Standard – Cal #4 (5 ug/mL) | No action shall be taken involving any personal risk or without suitable training. Evacuate surrounding areas. Keep unnecessary and unprotected personnel from entering. Do not touch or walk through spilt material. Put on appropriate personal protective equipment. |
| | Enterprise Caffeine Standard – Cal #5 (25 ug/ mL) | No action shall be taken involving any personal risk or without suitable training. Evacuate surrounding areas. Keep unnecessary and unprotected personnel from entering. Do not touch or walk through spilt material. Put on appropriate personal protective equipment. |
| | Enterprise Caffeine Standard – Cal #6 (50 ug/ mL) | No action shall be taken involving any personal risk or without suitable training. Evacuate surrounding areas. Keep unnecessary and unprotected personnel from entering. Do not touch or walk through spilt material. Put on appropriate personal |
| | Enterprise Caffeine Standard – Cal #7 (100 ug/ mL) | protective equipment. No action shall be taken involving any personal risk or without suitable training. Evacuate surrounding areas. Keep unnecessary and unprotected personnel from entering. Do not touch or walk through spilt material. Put on appropriate personal protective equipment. |
| | Enterprise Caffeine Standard – Cal #8 (200 ug/ mL) | No action shall be taken involving any personal risk or without suitable training. Evacuate surrounding areas. Keep unnecessary and unprotected personnel from entering. Do not touch or walk through spilt material. Put on appropriate personal protective equipment. |
| For emergency responders : | Enterprise Caffeine Standard – Cal #1 (0.5 ug/ mL) | If specialised clothing is required to deal with the spillage, take note of any information in Section 8 on suitable and unsuitable materials. See also the information in "For non-emergency personnel". |
| | Enterprise Caffeine Standard – Cal #2 (1 ug/mL) | If specialised clothing is required to deal with the spillage, take note of any information in Section 8 on suitable and unsuitable materials. See also the information in "For non-emergency personnel". |
| | Enterprise Caffeine Standard – Cal #3 (2 ug/mL) | If specialised clothing is required to deal with the spillage, take note of any information in Section 8 on suitable and unsuitable materials. See also the information in "For non-emergency personnel". |
| | Enterprise Caffeine Standard – Cal #4 (5 ug/mL) | If specialised clothing is required to deal with the spillage, take note of any information in Section 8 on suitable and unsuitable materials. See also the information in "For non-emergency personnel". |
| | Enterprise Caffeine Standard – Cal #5 (25 ug/ mL) | If specialised clothing is required to deal with the spillage, take note of any information in Section 8 on suitable and unsuitable materials. See also the information in "For non-emergency personnel". |
| | Enterprise Caffeine Standard – Cal #6 (50 ug/ | If specialised clothing is required to deal with the spillage, take note of any information in Section 8 on |

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Section 6. Accidental release measures

| | mL) | suitable and unsuitable materials. See also the information in "For non-emergency personnel". |
|--------------------------------|--|--|
| | Enterprise Caffeine Standard – Cal #7 (100 ug/ mL) | If specialised clothing is required to deal with the spillage, take note of any information in Section 8 on suitable and unsuitable materials. See also the information in "For non-emergency personnel". |
| | Enterprise Caffeine Standard – Cal #8 (200 ug/ mL) | If specialised clothing is required to deal with the spillage, take note of any information in Section 8 on suitable and unsuitable materials. See also the information in "For non-emergency personnel". |
| Environmental precautions : | Enterprise Caffeine Standard – Cal #1 (0.5 ug/ mL) | Avoid dispersal of spilt material and runoff and contact with soil, waterways, drains and sewers. Inform the relevant authorities if the product has caused environmental pollution (sewers, waterways, soil or air). |
| | Enterprise Caffeine Standard – Cal #2 (1 ug/mL) | Avoid dispersal of spilt material and runoff and contact with soil, waterways, drains and sewers. Inform the relevant authorities if the product has caused environmental pollution (sewers, waterways, soil or air). |
| | Enterprise Caffeine Standard – Cal #3 (2 ug/mL) | Avoid dispersal of spilt material and runoff and contact with soil, waterways, drains and sewers. Inform the relevant authorities if the product has caused environmental pollution (sewers, waterways, soil or air). |
| | Enterprise Caffeine Standard – Cal #4 (5 ug/mL) | Avoid dispersal of spilt material and runoff and contact with soil, waterways, drains and sewers. Inform the relevant authorities if the product has caused environmental pollution (sewers, waterways, soil or air). |
| | Enterprise Caffeine Standard – Cal #5 (25 ug/ mL) | Avoid dispersal of spilt material and runoff and contact with soil, waterways, drains and sewers. Inform the relevant authorities if the product has caused environmental pollution (sewers, waterways, soil or air). |
| | Enterprise Caffeine Standard – Cal #6 (50 ug/ mL) | Avoid dispersal of spilt material and runoff and contact with soil, waterways, drains and sewers. Inform the relevant authorities if the product has caused environmental pollution (sewers, waterways, soil or air). |
| | Enterprise Caffeine Standard – Cal #7 (100 ug/ mL) | Avoid dispersal of spilt material and runoff and contact with soil, waterways, drains and sewers. Inform the relevant authorities if the product has caused environmental pollution (sewers, waterways, soil or air). |
| | Enterprise Caffeine Standard – Cal #8 (200 ug/ mL) | Avoid dispersal of spilt material and runoff and contact with soil, waterways, drains and sewers. Inform the relevant authorities if the product has caused environmental pollution (sewers, waterways, soil or air). |
| Methods and material for conta | inment and cleaning up | |
| Methods for cleaning up : | | 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 |

Section 6. Accidental release measures

| Enterprise Caffeine Standard – Cal #3 (2 ug/mL) | inert dry material and place in an appropriate waste disposal container. Dispose of via a licensed waste disposal contractor. 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 |
|--|--|
| Enterprise Coffeine | 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 |
| Enterprise Caffeine Standard – Cal #6 (50 ug/ mL) | disposal contractor. 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. |

Section 7. Handling and storage

Precautions for safe handling

| Protective measures | : 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 |
| | Enterprise Caffeine Standard – Cal #4 (5 ug/mL) | Put on appropriate personal protective equipment |
| | 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/ | Put on appropriate personal protective equipment (see Section 8). |

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Section 7. Handling and storage

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| | mL) | |
| Advice on general : occupational hygiene | 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 |
| | Enterprise Caffeine Standard – Cal #2 (1 ug/mL) | before entering eating areas. See also Section 8 for additional information on hygiene measures. Eating, drinking and smoking should be prohibited in areas where this material is handled, stored and processed. Workers should wash hands and face before eating, drinking and smoking. Remove contaminated clothing and protective equipment |
| | | before entering eating areas. See also Section 8 for additional information on hygiene measures. |
| | 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 |
| | Enterprise Caffeine Standard – Cal #4 (5 ug/mL) | additional information on hygiene measures. Eating, drinking and smoking should be prohibited in areas where this material is handled, stored and processed. Workers should wash hands and face before eating, drinking and smoking. Remove |
| | Enterprise Caffeine Standard – Cal #5 (25 ug/ mL) | contaminated clothing and protective equipment before entering eating areas. See also Section 8 for additional information on hygiene measures. Eating, drinking and smoking should be prohibited in areas where this material is handled, stored and processed. Workers should wash hands and face before eating, drinking and smoking. Remove contaminated clothing and protective equipment before entering eating areas. See also Section 8 for |
| | Enterprise Caffeine Standard – Cal #6 (50 ug/ mL) | additional information on hygiene measures. Eating, drinking and smoking should be prohibited in areas where this material is handled, stored and processed. Workers should wash hands and face before eating, drinking and smoking. Remove contaminated clothing and protective equipment before entering eating areas. See also Section 8 for additional information on hygiene measures. |
| | 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 |
| | Enterprise Caffeine Standard – Cal #8 (200 ug/ mL) | additional information on hygiene measures. Eating, drinking and smoking should be prohibited in areas where this material is handled, stored and processed. Workers should wash hands and face before eating, drinking and smoking. Remove contaminated clothing and protective equipment before entering eating areas. See also Section 8 for additional information on hygiene measures. |

Section 7. Handling and storage

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|--|--|---|
| Conditions for safe storage, : including any incompatibilities | Enterprise Caffeine Standard – Cal #1 (0.5 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. See Section 10 for incompatible materials before handling or use. |
| | 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. See Section 10 for incompatible materials before handling or use. |
| | 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. See Section 10 for incompatible materials before handling or use. |
| | 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. See Section 10 for incompatible materials before handling or use. |
| | 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. See Section 10 for |
| | Enterprise Caffeine Standard – Cal #6 (50 ug/ mL) | incompatible materials before handling or use. 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 |

Section 7. Handling and storage

| | containers. Use appropriate containment to avoid environmental contamination. See Section 10 for incompatible materials before handling or use. |
|----------------------------|---|
| Enterprise Caffeine | Store in accordance with local regulations. Store in |
| Standard – Cal #7 (100 ug/ | original container protected from direct sunlight in a |
| mL) | dry, cool and well-ventilated area, away from |
| | incompatible materials (see Section 10) and food and |
| | drink. Keep container tightly closed and sealed until |
| | ready for use. Containers that have been opened |
| | must be carefully resealed and kept upright to |
| | prevent leakage. Do not store in unlabelled |
| | containers. Use appropriate containment to avoid |
| | environmental contamination. See Section 10 for |
| | incompatible materials before handling or use. |
| Enterprise Caffeine | Store in accordance with local regulations. Store in |
| Standard – Cal #8 (200 ug/ | original container protected from direct sunlight in a |
| mL) | dry, cool and well-ventilated area, away from |
| | incompatible materials (see Section 10) and food and |
| | drink. Keep container tightly closed and sealed until |
| | ready for use. Containers that have been opened |
| | must be carefully resealed and kept upright to |
| | prevent leakage. Do not store in unlabelled |
| | containers. Use appropriate containment to avoid |
| | environmental contamination. See Section 10 for |
| | incompatible materials before handling or use. |

Section 8. Exposure controls and personal protection

| Control parameters | | |
|-------------------------------------|-----------|---|
| Occupational exposure limits | | |
| None. | | |
| Biological exposure indices | | |
| No exposure indices known. | | |
| Appropriate engineering controls | : | Good general ventilation should be sufficient to control worker exposure to airborne contaminants. |
| Environmental exposure controls | : | Emissions from ventilation or work process equipment should be checked to ensure they comply with the requirements of environmental protection legislation. In some cases, fume scrubbers, filters or engineering modifications to the process equipment will be necessary to reduce emissions to acceptable levels. |
| Individual protection measure | <u>es</u> | |
| 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. |
| | | be worn at all times when handling chemical products if a risk assessment indicates |

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Section 8. Exposure controls and personal protection

| Body protection | : Personal protective equipment for the body should be selected based on the task being performed and the risks involved and should be approved by a specialist before handling this product. |
|------------------------|--|
| Other skin protection | Appropriate footwear and any additional skin protection measures should be selected based on the task being performed and the risks involved and should be approved by a specialist before handling this product. |
| Respiratory protection | : Based on the hazard and potential for exposure, select a respirator that meets the appropriate standard or certification. Respirators must be used according to a respiratory protection program to ensure proper fitting, training, and other important aspects of use. |
| | |

Section 9. Physical and chemical properties and safety characteristics

The conditions of measurement of all properties are at standard temperature and pressure unless otherwise indicated.

| | | | temperature |
|------------------------------|---|---|-------------|
| Appearance Physical state | : | Enterprise Caffeine Standard – Cal #1 (0.5 ug/ | Liquid. |
| | | mL) Enterprise Caffeine | Liquid. |
| | | Standard – Cal #2 (1 ug/mL) 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/ | Liquid. |
| | | mL) Enterprise Caffeine Standard – Cal #7 (100 ug/ | Liquid. |
| | | mL) Enterprise Caffeine Standard – Cal #8 (200 ug/ mL) | Liquid. |
| Colour | : | 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 | Colourless. |

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mL)

Standard - Cal #8 (200 ug/

Date of issue/Date of revision

| characteristics | | |
|-----------------|---|----------------|
| Odour | : Enterprise Caffeine Standard – Cal #1 (| |
| | mL) Enterprise Caffeine Standard – Cal #2 (| |
| | Enterprise Caffeine Standard – Cal #3 (| Not available. |
| | Enterprise Caffeine Standard – Cal #4 (| Not available. |
| | Enterprise Caffeine Standard – Cal #5 (mL) | Not available. |
| | Enterprise Caffeine Standard – Cal #6 (mL) | |
| | Enterprise Caffeine Standard – Cal #7 (mL) | |
| | Enterprise Caffeine Standard – Cal #8 (mL) | |
| Odour threshold | : Enterprise Caffeine Standard – Cal #1 (mL) | |
| | Enterprise Caffeine Standard – Cal #2 (| |
| | Enterprise Caffeine Standard – Cal #3 (| Not available. |
| | Enterprise Caffeine Standard – Cal #4 (| Not available. |
| | Enterprise Caffeine Standard – Cal #5 (mL) | |
| | Enterprise Caffeine Standard – Cal #6 (mL) | |
| | Enterprise Caffeine Standard – Cal #7 (mL) | |
| | Enterprise Caffeine Standard – Cal #8 (mL) | |
| рН | : Enterprise Caffeine Standard – Cal #1 (mL) | |
| | Enterprise Caffeine Standard – Cal #2 (| |
| | Enterprise Caffeine Standard – Cal #3 (| Not available. |
| | Enterprise Caffeine Standard – Cal #4 (| Not available. |
| | Enterprise Caffeine Standard – Cal #5 (mL) | Not available. |
| | Enterprise Caffeine Standard – Cal #6 (mL) | |
| | Enterprise Caffeine Standard – Cal #7 (mL) | |
| | Enterprise Caffeine | Not available. |

| | | Standard – Cal #8 (200 ug/ mL) | |
|---|---|--|----------------|
| Melting point/freezing point | : | Enterprise Caffeine Standard – Cal #1 (0.5 ug/ | 0°C (32°F) |
| | | mL) Enterprise Caffeine Standard – Cal #2 (1 ug/mL) | 0°C (32°F) |
| | | Enterprise Caffeine | 0°C (32°F) |
| | | Standard – Cal #3 (2 ug/mL) Enterprise Caffeine | 0°C (32°F) |
| | | Standard – Cal #4 (5 ug/mL) Enterprise Caffeine Standard – Cal #5 (25 ug/ mL) | 0°C (32°F) |
| | | Enterprise Caffeine Standard – Cal #6 (50 ug/ mL) | 0°C (32°F) |
| | | Enterprise Caffeine Standard – Cal #7 (100 ug/ | 0°C (32°F) |
| | | mL) Enterprise Caffeine Standard – Cal #8 (200 ug/ mL) | 0°C (32°F) |
| Boiling point, initial boiling point, and boiling range | : | Enterprise Caffeine Standard – Cal #1 (0.5 ug/ mL) | 100°C (212°F) |
| | | Enterprise Caffeine | 100°C (212°F) |
| | | Standard – Cal #2 (1 ug/mL) Enterprise Caffeine | 100°C (212°F) |
| | | Standard – Cal #3 (2 ug/mL) Enterprise Caffeine | 100°C (212°F) |
| | | Standard – Cal #4 (5 ug/mL) Enterprise Caffeine Standard – Cal #5 (25 ug/ mL) | 100°C (212°F) |
| | | Enterprise Caffeine Standard – Cal #6 (50 ug/ mL) | 100°C (212°F) |
| | | Enterprise Caffeine Standard – Cal #7 (100 ug/ mL) | 100°C (212°F) |
| | | Enterprise Caffeine Standard – Cal #8 (200 ug/ mL) | 100°C (212°F) |
| Flash point | : | 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/ | Not available. |
| | | mL) Enterprise Caffeine Standard – Cal #7 (100 ug/ | Not available. |

| | mL) Enterprise Caffeine Not available. Standard – Cal #8 (200 ug/ | |
|--|---|---|
| Evaporation rate | mL) : 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) | |
| Flammability | : Enterprise Caffeine Not applicable. Standard – Cal #1 (0.5 ug/ mL) | |
| | Enterprise Caffeine Not applicable. | |
| | Standard – Cal #2 (1 ug/mL) Enterprise Caffeine Not applicable. Standard – Cal #3 (2 ug/mL) | • |
| | Enterprise Caffeine Not applicable. Standard – Cal #4 (5 ug/mL) | |
| | Enterprise Caffeine Not applicable. Standard – Cal #5 (25 ug/ mL) | |
| | Enterprise Caffeine Not applicable. Standard – Cal #6 (50 ug/ mL) | |
| | Enterprise Caffeine Not applicable. Standard – Cal #7 (100 ug/ mL) | |
| | Enterprise Caffeine Not applicable. Standard – Cal #8 (200 ug/ mL) | |
| Lower and upper explosion limit/flammability limit | : 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 Standard – Cal #7 (100 ug/ mL) | Not available. |
|-------------------------|---|------------------------|
| | Enterprise Caffeine Standard – Cal #8 (200 ug/ mL) | Not available. |
| Vapour pressure | Enterprise Caffeine Standard – Cal #1 (0.5 ug/ mL) | 2.3 kPa (17.542 mm Hg) |
| | Enterprise Caffeine Standard – Cal #2 (1 ug/mL) | 2.3 kPa (17.542 mm Hg) |
| | Enterprise Caffeine Standard – Cal #3 (2 ug/mL) | 2.3 kPa (17.542 mm Hg) |
| | Enterprise Caffeine Standard – Cal #4 (5 ug/mL) | 2.3 kPa (17.542 mm Hg) |
| | Enterprise Caffeine Standard – Cal #5 (25 ug/ mL) | 2.3 kPa (17.452 mm Hg) |
| | Enterprise Caffeine Standard – Cal #6 (50 ug/ mL) | 2.3 kPa (17.542 mm Hg) |
| | Enterprise Caffeine Standard – Cal #7 (100 ug/ mL) | 2.3 kPa (17.542 mm Hg) |
| | Enterprise Caffeine Standard – Cal #8 (200 ug/ mL) | 2.3 kPa (17.542 mm Hg) |
| Relative vapour density | Enterprise Caffeine Standard – Cal #1 (0.5 ug/ | Not available. |
| | mL) Enterprise Caffeine Standard – Cal #2 (1 us/mL) | Not available. |
| | Standard – Cal #2 (1 ug/mL) 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/ | Not available. |
| | 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. |
| Relative density | Enterprise Caffeine | 1 |
| | Standard – Cal #1 (0.5 ug/ mL) | |
| | 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/ | 1 |
| | mL) Enterprise Caffeine | 1 |

| | Standard – Cal #6 (50 ug/ mL) | |
|---------------------------|--|-------------------------------|
| | Enterprise Caffeine Standard – Cal #7 (100 ug/ | 1 |
| | mL) | _ |
| | Enterprise Caffeine Standard – Cal #8 (200 ug/ | 1 |
| | mL) | |
| Solubility(ies) | : Media | Result |
| | Enterprise Caffeine Standa | lard – Cal #1 |
| | (0.5 ug/mL) water | Soluble |
| | Enterprise Caffeine Standa | |
| | (1 ug/mL) | |
| | water | Soluble |
| | Enterprise Caffeine Standa (2 ug/mL) | lard – Cal #3 |
| | water | Soluble |
| | Enterprise Caffeine Standa | lard – Cal #4 |
| | (5 ug/mL) | |
| | water Enterprise Caffeine Standa | Soluble |
| | (25 ug/mL) | |
| | water | Soluble |
| | Enterprise Caffeine Standa | lard – Cal #6 |
| | (50 ug/mL) water | Soluble |
| | Enterprise Caffeine Standa | |
| | (100 ug/mL) | |
| | water | Soluble |
| | Enterprise Caffeine Standa (200 ug/mL) | iard – Cal #8 |
| | water | Soluble |
| Partition coefficient: n- | : Enterprise Caffeine | Not applicable. |
| octanol/water | Standard – Cal #1 (0.5 ug/ | |
| | mL) Enterprise Caffeine | Not applicable. |
| | Standard – Cal #2 (1 ug/mL) | .) |
| | Enterprise Caffeine Standard – Cal #3 (2 ug/mL) | Not applicable. |
| | Enterprise Caffeine | - <i>)</i> Not applicable. |
| | Standard – Cal #4 (5 ug/mL) | |
| | Enterprise Caffeine Standard – Cal #5 (25 ug/ | Not applicable. |
| | mL) | |
| | Enterprise Caffeine | Not applicable. |
| | Standard – Cal #6 (50 ug/ | |
| | mL) Enterprise Caffeine | Not applicable. |
| | Standard – Cal #7 (100 ug/ | |
| | mL) | Neterricelle |
| | Enterprise Caffeine Standard – Cal #8 (200 ug/ | Not applicable. |
| | mL) | |
| Auto-ignition temperature | : Not available. | |
| | | |

| characteristics | |
|---------------------------|---|
| Decomposition temperature | : 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) |
| Viscosity | : 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) |
| | Énterprise Caffeine Not available. Standard – Cal #7 (100 ug/ mL) |
| | Enterprise Caffeine Not available. Standard – Cal #8 (200 ug/ mL) |
| Particle characteristics | |
| Median particle size | : Enterprise Caffeine Not applicable. Standard – Cal #1 (0.5 ug/ mL) |
| | Enterprise Caffeine Not applicable. Standard – Cal #2 (1 ug/mL) |
| | Enterprise Caffeine Not applicable. Standard – Cal #3 (2 ug/mL) |
| | Enterprise Caffeine Not applicable. Standard – Cal #4 (5 ug/mL) |
| | Enterprise Caffeine |
| | Enterprise Caffeine Not applicable. Standard – Cal #6 (50 ug/ mL) |
| | Enterprise Caffeine Not applicable. Standard – Cal #7 (100 ug/ mL) |

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

| Section 10. Stabil | |
|------------------------------------|--|
| Reactivity | : Enterprise Caffeine No specific test data related to reactivity available for Standard – Cal #1 (0.5 ug/ mL) |
| | Inc.No specific test data related to reactivity available forEnterprise CaffeineNo specific test data related to reactivity available forStandard – Cal #2 (1 ug/mL)this product or its ingredients.Enterprise CaffeineNo specific test data related to reactivity available forStandard – Cal #3 (2 ug/mL)this product or its ingredients.Enterprise CaffeineNo specific test data related to reactivity available forStandard – Cal #3 (2 ug/mL)No specific test data related to reactivity available forStandard – Cal #4 (5 ug/mL)this product or its ingredients. |
| | Enterprise Caffeine No specific test data related to reactivity available for Standard – Cal #5 (25 ug/ this product or its ingredients. |
| | mL) Enterprise Caffeine Standard – Cal #6 (50 ug/ mL) |
| | Enterprise Caffeine No specific test data related to reactivity available for Standard – Cal #7 (100 ug/ this product or its ingredients. mL) |
| | Enterprise Caffeine No specific test data related to reactivity available for Standard – Cal #8 (200 ug/ this product or its ingredients. mL) |
| Chemical stability | : Enterprise Caffeine The product is stable. Standard – Cal #1 (0.5 ug/ mL) |
| | Enterprise Caffeine The product is stable. Standard – Cal #2 (1 ug/mL) |
| | Enterprise Caffeine The product is stable. Standard – Cal #3 (2 ug/mL) |
| | Enterprise Caffeine The product is stable. Standard – Cal #4 (5 ug/mL) |
| | Enterprise Caffeine The product is stable. Standard – Cal #5 (25 ug/ mL) |
| | Enterprise Caffeine The product is stable. Standard – Cal #6 (50 ug/ |
| | mL) Enterprise Caffeine The product is stable. Standard – Cal #7 (100 ug/ |
| | mL) Enterprise Caffeine The product is stable. Standard – Cal #8 (200 ug/ mL) |
| Possibility of hazardous reactions | : Enterprise Caffeine Under normal conditions of storage and use, Standard – Cal #1 (0.5 ug/ hazardous reactions will not occur. mL) |
| | IntroUnder normal conditions of storage and use,Enterprise CaffeineUnder normal conditions of storage and use,Standard – Cal #2 (1 ug/mL)hazardous reactions will not occur.Enterprise CaffeineUnder normal conditions of storage and use,Standard – Cal #3 (2 ug/mL)hazardous reactions will not occur.Enterprise CaffeineUnder normal conditions of storage and use,Standard – Cal #3 (2 ug/mL)Under normal conditions of storage and use,Enterprise CaffeineUnder normal conditions of storage and use, |
| | Standard – Cal #4 (5 ug/mL)hazardous reactions will not occur.Enterprise CaffeineUnder normal conditions of storage and use,Standard – Cal #5 (25 ug/hazardous reactions will not occur. |

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Section 10. Stability and reactivity

| | mL) 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/ | Under normal conditions of storage and use, hazardous reactions will not occur. |
| | mL) Enterprise Caffeine Standard – Cal #8 (200 ug/ mL) | Under normal conditions of storage and use, hazardous reactions will not occur. |
| Conditions to avoid | : Enterprise Caffeine Standard – Cal #1 (0.5 ug/ mL) | No specific data. |
| | Enterprise Caffeine | No specific data. |
| | Standard – Cal #2 (1 ug/mL) 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/ | No specific data. |
| | mL) Enterprise Caffeine Standard – Cal #6 (50 ug/ | No specific data. |
| | mL) Enterprise Caffeine Standard – Cal #7 (100 ug/ | No specific data. |
| | mL) Enterprise Caffeine Standard – Cal #8 (200 ug/ mL) | No specific data. |
| Incompatible materials | : Enterprise Caffeine Standard – Cal #1 (0.5 ug/ | May react or be incompatible with oxidising materials. |
| | mL) Enterprise Caffeine | May react or be incompatible with oxidising materials. |
| | Standard – Cal #2 (1 ug/mL) Enterprise Caffeine | May react or be incompatible with oxidising materials. |
| | Standard – Cal #3 (2 ug/mL) Enterprise Caffeine | May react or be incompatible with oxidising materials. |
| | Standard – Cal #4 (5 ug/mL) Enterprise Caffeine Standard – Cal #5 (25 ug/ | May react or be incompatible with oxidising materials. |
| | mL) Enterprise Caffeine Standard – Cal #6 (50 ug/ | May react or be incompatible with oxidising materials. |
| | mL) Enterprise Caffeine Standard – Cal #7 (100 ug/ | May react or be incompatible with oxidising materials. |
| | mL) Enterprise Caffeine Standard – Cal #8 (200 ug/ mL) | May react or be incompatible with oxidising materials. |
| 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 | Under normal conditions of storage and use, |
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Section 10. Stability and reactivity

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

Section 11. Toxicological information

| Information on toxicological e | effects | |
|---------------------------------|--|----------------|
| Acute toxicity | | |
| Not available. | | |
| Irritation/Corrosion | | |
| Not available. | | |
| Sensitiention | | |
| Sensitisation Not available. | | |
| | | |
| <u>Mutagenicity</u> | | |
| Conclusion/Summary | : Not available. | |
| <u>Carcinogenicity</u> | | |
| Conclusion/Summary | : Not available. | |
| Reproductive toxicity | | |
| Conclusion/Summary | : Not available. | |
| Teratogenicity | | |
| Conclusion/Summary | : Not available. | |
| Specific target organ toxicity | <u>y (single exposure)</u> | |
| Not available. | | |
| Specific target organ toxicity | <u>y (repeated exposure)</u> | |
| Not available. | | |
| Aspiration hazard | | |
| Not available. | | |
| | | |
| Information on likely routes | : Enterprise Caffeine | Not available. |
| of exposure | Standard – Cal #1 (0.5 ug/ | |
| | mL) | |
| | Enterprise Caffeine Standard – Cal #2 (1 ug/mL) | Not available. |
| | Enterprise Caffeine | Not available. |
| | Standard – Cal #3 (2 ug/mL) | |
| | Enterprise Caffeine Standard – Cal #4 (5 ug/mL) | Not available. |
| | Enterprise Caffeine | Not available. |
| | Standard – Cal #5 (25 ug/ | |

mL)

| Section 11. Toxic | ological mormation | |
|--------------------------------|---|---|
| | 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. |
| Potential acute health effect | , | |
| Eye contact | Enterprise Caffeine | No known significant effects or critical hazards. |
| | Standard – Cal #1 (0.5 ug/ mL) | |
| | 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/ | No known significant effects or critical hazards. |
| | mL) Enterprise Caffeine Standard – Cal #8 (200 ug/ mL) | No known significant effects or critical hazards. |
| Inhalation | : 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/ | No known significant effects or critical hazards. |
| | mL) 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. |
| Skin contact | : Enterprise Caffeine Standard – Cal #1 (0.5 ug/ | No known significant effects or critical hazards. |
| | mL) 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/ | No known significant effects or critical hazards. |
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| | J | |
|-----------|---|---|
| | mL) Enterprise Caffeine Standard – Cal #6 (50 ug/ | No known significant effects or critical hazards. |
| | 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. |
| Ingestion | : 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. |
| | | |

Symptoms related to the physical, chemical and toxicological characteristics

| Eye contact | : Enterprise Caffeine | No specific data. |
|-------------|--|-------------------|
| | Standard – Cal #1 (0.5 ug/ mL) | No on o ifin doto |
| | 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 | No specific data. |

| | Standard – Cal #4 (5 ug/mL) 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. |
| 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. |
| | Énterprise 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. |
| | | No specific data. |
| | | |

| Delayed and immediate effect | ts as well as chronic effects from short and long-term exposure |
|------------------------------|---|
| Short term exposure | |
| Potential immediate effects | : Not available. |
| Potential delayed effects | : Not available. |

| Date | of | issue/ | Date | of | revision | |
|------|-----|--------|------|----------|----------|--|
| Dale | UI. | issue/ | Dale | U | revision | |

| | • | |
|--------------------------------|--|---|
| Long term exposure | | |
| Potential immediate effects | : Not available. | |
| Potential delayed effects | : Not available. | |
| Potential chronic health ef | fects | |
| General | : 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. |
| Carcinogenicity | : 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. |
| Mutagenicity | : 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 | |
| | 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. |
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| | 5 | |
|-------------------------|---|---|
| | 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. |
| Reproductive toxicity : | 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/ | No known significant effects or critical hazards. |
| | mL) Enterprise Caffeine Standard – Cal #8 (200 ug/ mL) | No known significant effects or critical hazards. |
| | , | |

Numerical measures of toxicity

Acute toxicity estimates N/A

Section 12. Ecological information

Toxicity

Not available.

Persistence and degradability

Not available.

Bioaccumulative potential

Not available.

Mobility in soil

 Soil/water partition coefficient (Koc)
 : Not available.

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

Section 13. Disposal considerations

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

Section 14. Transport information

| ADG / IMDG / IATA | : | Not regulated as Dangerous Goods according to the ADG Code . |
|------------------------------|---|---|
| Special precautions for user | : | Transport within user's premises: always transport in closed containers that are upright and secure. Ensure that persons transporting the product know what to do in the event of an accident or spillage. |

Transport in bulk according : Not available. to IMO instruments

Section 15. Regulatory information

| Standard for the Uniform Scheduling of Medicines and Poisons | |
|---|--|
| Not regulated. | |
| Model Work Health and Safety Regulations - Scheduled Substances | |
| No listed substance | |
| International regulations | |
| Chemical Weapon Convention List Schedules I, II & III Chemicals | |
| Not listed. | |
| Montreal Protocol | |
| Not listed. | |
| | |
| Stockholm Convention on Persistent Organic Pollutants | |
| Not listed. | |
| Rotterdam Convention on Prior Informed Consent (PIC) | |
| Not listed. | |
| UNECE Aarhus Protocol on POPs and Heavy Metals | |
| Not listed. | |
| Inventory list | |
| Inventory list Australia | : All components are listed or exempted. |
| New Zealand | |
| | : All components are listed or exempted. |
| United States | : All components are active or exempted. |
| Section 16. Any other relevant information | |
| <u>History</u> | |
| Date of issue/Date of revision | : 22/05/2024 |
| 164131011 | |

Date of previous issue

Version

: 31/05/2022

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Section 16. Any other relevant information

| Key to abbreviations | : ADG = Australian Dangerous Goods |
|--------------------------|---|
| | ADR = The European Agreement concerning the International Carriage of |
| | Dangerous Goods by Road |
| | ATE = Acute Toxicity Estimate |
| | BCF = Bioconcentration Factor |
| | GHS = Globally Harmonized System of Classification and Labelling of Chemicals |
| | IATA = International Air Transport Association |
| | IBC = Intermediate Bulk Container |
| | IMDG = International Maritime Dangerous Goods |
| | LogPow = logarithm of the octanol/water partition coefficient |
| | MARPOL = International Convention for the Prevention of Pollution From Ships, |
| | 1973 as modified by the Protocol of 1978. ("Marpol" = marine pollution) |
| | N/A = Not available |
| | SUSMP = Standard Uniform Schedule of Medicine and Poisons |
| | UN = United Nations |
| Procedure used to derive | e the classification |

Classification

Not classified.

✓ Indicates information that has changed from previously issued version.

Notice to reader

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