

# Safety Data Sheet (SDS)

<i>Revision Number: 1.2</i>	<i>Last updated: April 2015</i>
<b>1. Product and Company Identification</b>	
<i>Product Name:</i>	<b>SensoLyte<sup>®</sup> FDP Protein Phosphatase Assay Kit *Fluorimetric*</b>
<i>Manufacturer/Supplier:</i>	AnaSpec, Inc. <a href="http://www.anaspec.com">www.anaspec.com</a> 34801 Campus Drive Fremont, CA 94555 Tel: 510-791-9560 Fax: 510-791-9572 Email: <a href="mailto:service@anaspec.com">service@anaspec.com</a>
<i>Catalog Number</i>	AS-71100
<i>Unit Size</i>	1 kit
<b>2. Hazards Identification</b>	
<i>Emergency Overview:</i>	
<i>GHS Hazard Classification:</i>	
<i>GHS Physical Hazards</i>	
<p>Component A: Flammable liquids (Category 2), Acute toxicity, Oral (Category 3) Acute toxicity, Inhalation (Category 3), Acute toxicity, Dermal (Category 3) Specific target organ toxicity - single exposure (Category 1)</p> <p>Component B and C: Skin irritation (Category 2), Eye irritation (Category 2A) Specific target organ toxicity - single exposure (Category 3), Acute toxicity, Oral (Category 5), Acute aquatic toxicity (Category 3)</p> <p>Component D: Acute toxicity, Oral (Category 4), Skin irritation (Category 3), Serious eye damage (Category 1), Acute aquatic toxicity (Category 2), Chronic aquatic toxicity (Category 2)</p> <p>Component E: Skin corrosion (Category 1A), Serious eye damage (Category 1), Acute aquatic toxicity (Category 3)</p> <p>Component F: Acute toxicity, Oral (Category 4), Skin irritation (Category 2), Eye irritation (Category 2A), Specific target organ toxicity - single exposure (Category 3)</p> <p>Component G: Flammable liquid (Category 4)</p>	
<i>GHS Health and Environmental Hazards</i>	
<p>Component A: Toxic by inhalation., Toxic by ingestion, Toxic by skin absorption</p> <p>Component B and C: Irritant to eyes, skin and respiratory system.</p> <p>Component D: Irritant to eyes, skin and respiratory system. Cause eye damage</p> <p>Component E: May be harmful if inhaled. Material is extremely destructive to the tissue of the mucous membranes and upper respiratory tract. May be harmful if absorbed through skin. Causes skin burns. Causes severe eye burns. May be harmful if swallowed.</p> <p>Component F: Irritant to eyes, skin and respiratory system. Harmful if swallow.</p> <p>Component G: Irritant to eyes and skin</p>	
<i>GHS Signal Words:</i>	
<p>Component A, B, D and E: Danger</p> <p>Component C, F and G: Warning</p>	

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**GHS Hazard Statements:**

- Component A: H225 Highly flammable liquid and vapour. H301 + H311 + H331 Toxic if swallowed, in contact with skin or if inhaled. H370 Causes damage to organs.
- Component B: H315 Causes skin irritation. H319 Causes serious eye irritation. H335 May cause respiratory irritation. H302 Harmful if swallowed. H318 Causes serious eye damage. H401 Toxic to aquatic life.
- Component C: H315 Causes skin irritation. H319 Causes serious eye irritation. H335 May cause respiratory irritation. H303 May be harmful if swallowed. H402 Harmful to aquatic life.
- Component D: H302 Harmful if swallowed. H316 Causes mild skin irritation. H318 Causes serious eye damage. H411 Toxic to aquatic life with long lasting effects.
- Component E: H314 Causes severe skin burns and eye damage. H402 Harmful to aquatic life.
- Component F: H302 Harmful if swallowed. H315 Causes skin irritation. H319 Causes serious eye irritation. H335 May cause respiratory irritation.
- Component G: H227 Combustible liquid

**GHS Precautionary Statements:**

- Component A: P210 Keep away from heat/sparks/open flames/hot surfaces. - No smoking. P260 Do not breathe dust/ fume/ gas/ mist/ vapors/ spray. P280 Wear protective gloves/ protective clothing. P301 + P310 IF SWALLOWED: Immediately call a POISON CENTER or doctor/ physician. P307 + P311 IF exposed: Call a POISON CENTER or doctor/ physician.
- Component B: P261 Avoid breathing dust/ fume/ gas/ mist/ vapors/ spray. P305 + P351 + P338 IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. P280 Wear protective gloves/ eye protection/ face protection.
- Component C: P261 Avoid breathing dust/ fume/ gas/ mist/ vapors/ spray. P305 + P351 + P338 IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. P264 Wash skin thoroughly after handling. P273 Avoid release to the environment. P280 Wear protective gloves/ eye protection/ face protection. P312 Call a POISON CENTER or doctor/ physician if you feel unwell. P337 + P313 If eye irritation persists: Get medical advice/ attention. P501 Dispose of contents/ container to an approved waste disposal plant.
- Component D: P273 Avoid release to the environment. P280 Wear protective gloves/ eye protection/ face protection. P305 + P351 + P338 IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.
- Component E: P280 Wear protective gloves/ protective clothing/ eye protection/ face protection. P305 + P351 + P338 IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. P310 Immediately call a POISON CENTER or doctor/ physician.
- Component F: P261 Avoid breathing dust/ fume/ gas/ mist/ vapours/ spray. P305 + P351 + P338 IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.
- Component G: None

**HMIS Classification:**

<b>Component A:</b>	<b>Component B:</b>	<b>Component C:</b>	<b>Component D:</b>	<b>Component E:</b>	<b>Component F:</b>	<b>Component G:</b>
<i>Health hazard:</i> 2	<i>Health hazard:</i> 2	<i>Health hazard:</i> 1	<i>Health hazard:</i> 2	<i>Health hazard:</i> 3	<i>Health hazard:</i> 2	<i>Health hazard:</i> 0
<i>Flammability:</i> 3	<i>Flammability:</i> 0	<i>Flammability:</i> 0	<i>Flammability:</i> 1	<i>Flammability:</i> 0	<i>Flammability:</i> 1	<i>Flammability:</i> 2
<i>Physical hazards:</i> 0	<i>Physical hazards:</i> 0	<i>Physical hazards:</i> 0	<i>Physical hazards:</i> 0	<i>Physical hazards:</i> 1	<i>Physical hazards:</i> 0	<i>Physical hazards:</i> 0

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*NFPA Rating:*

<b>Component A:</b>	<b>Component B:</b>	<b>Component C:</b>	<b>Component D:</b>	<b>Component E:</b>	<b>Component F:</b>	<b>Component G:</b>
Health hazard: 2	Health hazard: 2	Health hazard: 1	Health hazard: 2	Health hazard: 3	Health hazard: 2	Health hazard: 0
Fire: 3	Fire: 0	Fire: 0	Fire: 1	Fire: 0	Fire: 1	Fire: 2
Reactivity hazard: 0	Reactivity hazard: 0	Reactivity hazard: 0	Reactivity hazard: 0	Reactivity hazard: 1	Reactivity hazard: 0	Reactivity hazard: 0

**3. Composition / Information on Ingredients***Ingredients/Components:*

<i>Chemical Name:</i>	<i>Description</i>	<i>CAS Number:</i>
Component A	Contain Methanol	67-56-1
Component B	Proprietary	N/A
Component C	Proprietary	N/A
Component D	Contains Triton X-100	9002-93-1
Component E	Contains sodium hydroxide	1310-73-2
Component F	Contains DTT	16096-97-2
Component G	Contains DMSO	67-68-5

**4. First Aid Measures****General advice**

Consult a physician. Show this safety data sheet to the doctor in attendance. Move out of dangerous area.

**Component A**

*Inhalation:* If breathed in, move person into fresh air. If not breathing, give artificial respiration. Consult a physician.

*Ingestion:* Do NOT induce vomiting. Never give anything by mouth to an unconscious person. Rinse mouth with water. Consult a physician.

*Skin:* Wash off with soap and plenty of water. Take victim immediately to hospital. Consult a physician. Wash off with soap and plenty of water.

*Eyes:* Rinse thoroughly with plenty of water for at least 15 minutes and consult a physician.

**Component B**

*Inhalation:* If breathed in, move person into fresh air. If not breathing, give artificial respiration. Consult a physician.

*Ingestion:* Do NOT induce vomiting. Never give anything by mouth to an unconscious person. Rinse mouth with water. Consult a physician.

*Skin:* Wash off with soap and plenty of water. Consult a physician.

*Eyes:* Rinse thoroughly with plenty of water for at least 15 minutes and consult a physician.

**Component C**

*Inhalation:* If breathed in, move to fresh air. If not breathing, give artificial respiration. If breathing is difficult, give oxygen. Get medical aid.

*Ingestion:* Never give anything by mouth to an unconscious person. Rinse mouth with water. Consult a physician.

*Skin:* Wash off with soap and plenty of water. Consult a physician.

*Eyes:* Rinse thoroughly with plenty of water for at least 15 minutes and consult a physician.

**Component D**

*Inhalation:* If breathed in, move person into fresh air. If not breathing, give artificial respiration. Consult a physician.

*Ingestion:* Never give anything by mouth to an unconscious person. Rinse mouth with water. Consult a physician.

*Skin:* Wash off with soap and plenty of water. Consult a physician.

*Eyes:* Rinse thoroughly with plenty of water for at least 15 minutes and consult a physician.

**Component E**

*Inhalation:* If breathed in, move person into fresh air. If not breathing, give artificial respiration. Consult a physician.

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*Ingestion:* Do NOT induce vomiting. Never give anything by mouth to an unconscious person. Rinse mouth with water. Consult a physician.  
*Skin:* Take off contaminated clothing and shoes immediately. Wash off with soap and plenty of water. Consult a physician.  
*Eyes:* Rinse thoroughly with plenty of water for at least 15 minutes and consult a physician. Continue rinsing eyes during transport to hospital.

**Component F**

*Inhalation:* If breathed in, move to fresh air. If not breathing, give artificial respiration. If breathing is difficult, give oxygen. Get medical aid.

*Ingestion:* Never give anything by mouth to an unconscious person. Rinse mouth with water. Consult a physician.

*Skin:* Wash off with soap and plenty of water. Consult a physician.

*Eyes:* Rinse thoroughly with plenty of water for at least 15 minutes and consult a physician.

**Component G**

*Inhalation:* If breathed in, move person into fresh air. If not breathing, give artificial respiration. Consult a physician.

*Ingestion:* Do NOT induce vomiting. Never give anything by mouth to an unconscious person. Rinse mouth with water. Consult a physician.

*Skin:* Wash off with soap and plenty of water. Consult a physician.

*Eyes:* Flush eyes with water as a precaution.

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<b><u>5. Fire Fighting Measures</u></b>	
<i>Extinguishing media:</i>	<p><b>Component A, B, C, D, F:</b> Use water spray, dry chemical or carbon dioxide.</p> <p><b>Component E:</b> Use extinguishing measures that are appropriate to local circumstances and the surrounding environment.</p> <p><b>Component G:</b> For small fires, use dry chemical, or carbon dioxide. For large fires, use water spray from a safe distance.</p>
<i>Special firefighting procedures:</i>	<p><b>Component A, B, C, D, E, F:</b> Wear self-contained breathing apparatus for firefighting if necessary.</p> <p><b>Component G:</b> Fire fighters should wear positive pressure self-contained breathing apparatus and full turnout gear.</p>
<i>Unusual fire and explosions hazards:</i>	<p><b>Component A, D:</b> Carbon oxides formed under fire conditions.</p> <p><b>Component B:</b> Carbon oxides, nitrogen oxides (NOx) formed under fire conditions.</p> <p><b>Component C:</b> Carbon oxides, nitrogen oxides (NOx), hydrogen chloride gas, sodium oxides formed under fire conditions.</p> <p><b>Component E:</b> Sodium oxides formed under fire conditions.</p> <p><b>Component F:</b> Carbon oxides, Sulphur oxides formed under fire conditions.</p> <p><b>Component G:</b> Combustible liquid and vapor. Vapors are heavier than air and may travel to a source of ignition and flash back. Vapors can spread along the ground and collect in low or confined areas. Hazardous carbon oxides and sulphur oxides formed under fire conditions.</p>
<b><u>6. Accidental Release Measures</u></b>	
<i>Containment and spill response</i>	<p><b>Component A:</b> Contain spillage, and then collect with an electrically protected vacuum cleaner or by wet-brushing and place in container for disposal according to local regulations.</p> <p><b>Component B, C, D, E, F:</b> Keep in suitable, closed containers for disposal.</p> <p><b>Component G:</b> Immediately contact emergency personnel. Prevent further leakage or spillage if safe to do so. Avoid breathing vapors or mist. Remove all sources of ignition and provide ventilation. Collect with an electrically protected vacuum cleaner, by wet-brushing, or by absorbing with vermiculite, sand or earth, and place in appropriate container for disposal. Do not let material enter drains.</p>
<i>PPE</i>	Use personal protective equipment
<b><u>7. Handling and Storage</u></b>	
<p><b>Component A:</b> <i>Handling:</i> Avoid contact with skin and eyes. Avoid inhalation of vapor or mist. Use explosion-proof equipment. Keep away from sources of ignition - No smoking. Take measures to prevent the build-up of electrostatic charge. <i>Storage:</i> Keep container tightly closed in a dry and well-ventilated place. Containers which are opened must be</p>	

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carefully resealed and kept upright to prevent leakage.

**Component B, C, E, F:**

Avoid contact with skin and eyes. Provide appropriate exhaust ventilation. Normal measures for preventive fire protection. Keep container tightly closed in a dry and well-ventilated place.

**Component D:**

*Handling:* Avoid contact with skin and eyes. Avoid inhalation of vapor or mist.

*Storage:* Keep container tightly closed in a dry and well-ventilated place. Containers which are opened must be carefully resealed and kept upright to prevent leakage.

**Component G:**

*Handling:* Wash thoroughly after handling. Remove and wash any contaminated clothing. Keep container tightly closed and avoid contact with eyes, skin, and clothing. Use with adequate ventilation and avoid ingestion and inhalation. Keep away from heat and flame.

*Storage:* Store in a tightly closed container away from moisture, heat, and flame. Store away from incompatible substances. Storage under a nitrogen blanket has been recommended.

## **8. Exposure Controls / Personal Protection**

<i>Engineering controls</i>	<p><b>Component A:</b> Where risk assessment shows air-purifying respirators are appropriate use a full-face respirator with multi-purpose combination (US) or type AXBEK (EN 14387) respirator cartridges as a backup to engineering controls.</p> <p><b>Component B, E:</b> Where risk assessment shows air-purifying respirators are appropriate use a full-face particle respirator type N100 (US) or type P3 (EN 143) respirator cartridges as a backup to engineering controls.</p> <p><b>Component C:</b> Not applicable</p> <p><b>Component D:</b> Where risk assessment shows air-purifying respirators are appropriate use a full-face respirator with multi-purpose combination (US) or type ABEK (EN 14387) respirator cartridges as a backup to engineering controls.</p> <p><b>Component F:</b> Not applicable</p> <p><b>Component G:</b> Facilities storing and using this material should be equipped with a safety shower and eyewash station. Adequate ventilation should also be present.</p>
<i>PPE</i>	<p><b>All components:</b></p> <p><i>Respiratory System:</i> Wear proper respirator or mask.</p> <p><i>Skin and Body:</i> Wear appropriate work uniform or laboratory coat to prevent skin exposure.</p> <p><i>Hands:</i> Use chemical resistant, impervious gloves. Appropriate techniques should be used to remove potentially contaminated gloves.</p> <p><i>Eyes:</i> Wear chemical splash goggles.</p>

## **9. Physical and Chemical Properties**

<i>Physical State</i>	Liquid
<i>Odor</i>	Not determined
<i>Solubility in Water</i>	Soluble
<i>Specific Gravity</i>	Not determined
<i>pH</i>	Component B 6.5 Component C 7.5 Component D: 9.7 Component E: 14 Component F: 4 - 6 at 15.4 g/l at 25 °C

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<i>Boiling Point</i>	Not determined
<i>Melting Point</i>	Not determined
<i>Flash Point</i>	Not determined
<i>Vapor Pressure:</i>	Not determined
<i>Vapor Density:</i>	Not determined
<b><u>10. Stability and Reactivity</u></b>	
<i>Thermal Decomposition</i>	Not applicable
<i>Dangerous Products of Decomposition</i>	Not applicable
<i>Dangerous Reactions</i>	Not applicable
<b><u>11. Toxicological Information</u></b>	
<i>RTECS Number</i>	Component A: PC1400000 Component B and C: N/A Component D: MD0907700 Component E: WB4900000 Component F: EK1610000 Component G: PV6210000
<i>Toxicity</i>	<p><b>Component A:</b> Acute toxicity Oral LD50 LDLO Oral - Human - 143 mg/kg Remarks: Lungs, Thorax, or Respiration:Dyspnea. Ingestion may cause gastrointestinal irritation, nausea, vomiting and diarrhoea. LD50 Oral - rat - 1,187 - 2,769 mg/kg Inhalation LC50 LC50 Inhalation - rat - 4 h - 128.2 mg/l LC50 Inhalation - rat - 6 h - 87.6 mg/l Dermal LD50 LD50 Dermal - rabbit - 17,100 mg/kg Other information on acute toxicity no data available</p> <p><b>Component B:</b> No data available</p> <p><b>Component C:</b> No data available</p> <p><b>Component D:</b> Acute toxicity Oral LD50 LD50 Oral - rat - 1,800 mg/kg Inhalation LC50 no data available Dermal LD50 LD50 Dermal - rabbit - 8,000 mg/kg Other information on acute toxicity no data available</p> <p><b>Component E:</b> Acute toxicity Oral LD50 no data available</p>

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	<p>Inhalation LC50 no data available Dermal LD50 no data available Other information on acute toxicity no data available <b>Component F:</b> LD50 Oral-rat-400 mg/kg <b>Component G</b> contain DMSO <i>For DMSO</i> Oral LD50 LD50 Oral - rat - 14,500 mg/kg Inhalation LC50 LC50 Inhalation - rat - 4 h - 40250 ppm Dermal LD50 LD50 Dermal - rabbit - &gt; 5,000 mg/kg</p>
<i>Health Hazards</i>	No data available
<i>Potential Hazards</i>	<p><b>Potential Health Effects</b> Component A: <i>Inhalation:</i> Toxic if inhaled. Causes respiratory tract irritation. <i>Ingestion:</i> Toxic if swallowed. <i>Skin:</i> Toxic if absorbed through skin. Causes skin irritation. <i>Eyes:</i> Causes eye irritation. Component B, C, D, F, G: <i>Inhalation:</i> May be harmful if inhaled. Causes respiratory tract irritation. <i>Ingestion:</i> May be harmful if swallowed. <i>Skin:</i> May be harmful if absorbed through skin. Causes skin irritation. <i>Eyes:</i> Causes eye irritation. Component E: <i>Inhalation:</i> May be harmful if inhaled. Material is extremely destructive to the tissue of the mucous membranes and upper respiratory tract. <i>Ingestion:</i> May be harmful if swallowed. <i>Skin:</i> May be harmful if absorbed through skin. Causes skin burns. <i>Eyes:</i> Causes eye burns. Causes severe eye burns. Aggravated Medical Condition: Avoid contact with DMSO solutions containing toxic materials or materials with unknown toxicological properties. Dimethyl sulfoxide is readily absorbed through skin and may carry such materials into the body.</p>
<i>Carcinogenicity:</i>	No data available
<i>OSHA Permissible Exposure Limit(PEL) Data</i>	<p>Component A: TWA 200 ppm (260 mg/m<sup>3</sup>) Component B, C, D, F and G: No data available Component E: 2mg/m<sup>3</sup></p>
<i>ACGIH Threshold Limit Values (TLV)</i>	<p>Component A: 250 ppm; 328 mg/m<sup>3</sup> (skin) Component B, C, D, F and G: No data available Component E: 2mg/m<sup>3</sup></p>

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**12. Ecological Information****Component A****Toxicity**

Toxicity to fish mortality LC50 - *Lepomis macrochirus* (Bluegill) - 15,400.0 mg/l - 96 h  
 NOEC - *Oryzias latipes* - 7,900 mg/l - 200 h

Toxicity to daphnia and other aquatic invertebrates

EC50 - *Daphnia magna* (Water flea) - > 10,000.00 mg/l - 48 h

Toxicity to algae Growth inhibition

EC50 - *Scenedesmus capricornutum* (fresh water algae) - 22,000.0 mg/l - 96 h

**Persistence and degradability**

Biodegradability aerobic

Result: 72 % - rapidly biodegradable

**Bioaccumulative potential**

Bioaccumulation *Cyprinus carpio* (Carp) - 72 d at 20 °C

Bioconcentration factor (BCF): 1.0

**Mobility in soil**

Will not adsorb on soil.

**PBT and vPvB assessment**

Results of PBT assessment

This substance is not considered to be persistent, bioaccumulating nor toxic (PBT). This substance is not considered to be very persistent nor very bioaccumulating (vPvB).

**Other adverse effects**

Biochemical Oxygen Demand (BOD) 600 - 1,120 mg/g

Demand (BOD)

Chemical Oxygen Demand (COD) 1,420 mg/g

Demand (COD)

Additional ecological information Avoid release to the environment.

**Component B:** No data available

**Component C:** No data available

**Component D:****Toxicityable**

Toxicity to daphnia and other aquatic invertebrates

EC50 - *Daphnia* - 26 mg/l - 48 h

Persistence and degradability

Biodegradability Biotic/Aerobic Biochemical oxygen demand

Result: 36 % - Not readily biodegradable.

Method: Closed Bottle test

**Other adverse effects**

Chemical Oxygen Demand (COD) 2.19 mg/g

Demand (COD)

**Component E:****Toxicity**

Toxicity to fish LC50 - *Gambusia affinis* (Mosquito fish) - 125 mg/l - 96 h

Toxicity to daphnia and other aquatic invertebrates

Immobilization EC50 - *Daphnia* - 40.38 mg/l - 48 h

**Component F:**

Do not allow product to reach ground water.

**Component G contains DMSO**

For DMSO, CAS-No. 67-68-5

**Toxicity**

Toxicity to fish LC50 - *Pimephales promelas* (fathead minnow) - 34,000 mg/l - 96 h

LC50 - *Oncorhynchus mykiss* (rainbow trout) - 35,000 mg/l - 96 h

Toxicity to daphnia and other aquatic invertebrates. EC50 - *Daphnia pulex* (Water flea) - 27,500 mg/l

Toxicity to algae EC50 - *Lepomis macrochirus* (Bluegill) - > 400,000 mg/l - 96 h

**13. Disposal Considerations*****Components A:***

Burn in a chemical incinerator equipped with an afterburner and scrubber but exert extra care in igniting as this material is highly flammable. Offer surplus and non-recyclable solutions to a licensed disposal company. Contact a licensed professional waste disposal service to dispose of this material.

**Contaminated packaging**

Dispose of as unused product.

***Component B, C, D***

Offer surplus and non-recyclable solutions to a licensed disposal company.

***Component E, F***

Offer surplus and non-recyclable solutions to a licensed disposal company. Contact a licensed professional waste disposal service to dispose of this material. Dissolve or mix the material with a combustible solvent and burn in a chemical incinerator equipped with an afterburner and scrubber.

***Component G***

This combustible material may be burned in a chemical incinerator equipped with an afterburner and scrubber. Offer surplus and non-recyclable solutions to a licensed disposal company.

**Contaminated packaging**

Dispose of as unused product.

**14. Transport Information:**

<i>UN Number</i>	3316
<i>Hazard Class</i>	9
<i>Packing Group</i>	III
<i>Proper Shipping Name (DOT)</i>	Chemical kit

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<b>15. Regulatory information</b>						
<i>California Proposition 65:</i>		N/A				
<i>US TSCA (Toxic Substance Control Act)</i>		<b>Component A, D, E, F and G:</b> Listed <b>Component B and C:</b> N/A				
<i>US CERCLA (Comprehensive Environmental Response, Compensation, and Liability Act)</i>		<b>Component A:</b> 5000 lb final RQ; 2270 kg final RQ <b>Component B, C, D and F:</b> N/A <b>Component E:</b> 1000 lb final RQ; 454 kg final RQ <b>Component G:</b> 261.33 8(d).				
<i>US SARA Title III</i>		<b>Component A</b> SARA 302 components: N/A SARA 313 components: Toxic Chemicals SARA 311/312 Hazards: Acute Health Hazard, Chronic Health Hazard <b>Component B, C and F</b> SARA 302 components: N/A SARA 313 components: N/A SARA 311/312 Hazards: N/A <b>Component D and E</b> SARA 302 components: N/A SARA 313 components: N/A SARA 311/312 Hazards: Acute Health hazard <b>Component G</b> SARA 302 components: N/A SARA 313 components: N/A SARA 311/312 Hazards: Fire Hazard, Chronic Health Hazard				
<i>US Clean Air Act</i>		<b>Component A</b> <i>Listed under Hazardous Air Pollutants: Listed</i> <i>Listed under Class 1 Ozone depletors: Not listed</i> <i>Listed under Class 2 Ozone depletors: Not listed</i> <b>Component B, C, D, E, F, G</b> <i>Listed under "Hazardous Substances": Not listed</i> <i>Listed under "Priority Pollutants": Not listed</i> <i>Listed under "Toxic Pollutants": Not listed</i>				
<i>US Clean Water Act</i>		<b>Component A, B, C, D, F, G</b> <i>Listed under "Hazardous Substances": Not listed</i> <i>Listed under "Priority Pollutants": Not listed</i> <i>Listed under "Toxic Pollutants": Not listed</i> <b>Component E</b> <i>Listed under "Hazardous Substances": Listed</i> <i>Listed under "Priority Pollutants": Not listed</i> <i>Listed under "Toxic Pollutants": Not listed</i>				
<b>US States: Right-to-Know: Listed in the following States:</b>						
Component A:	Component B:	Component C:	Component D:	Component E:	Component F:	Component G:
Pennsylvania Revision Date 2007-07-01 67-56-1	Pennsylvania Revision Date N/A 6976-37-0	Pennsylvania Revision Date N/A 7647-14-5	Pennsylvania Revision Date N/A 9002-93-1	Pennsylvania Revision Date 2007/03/01 1310-73-2	Pennsylvania Revision Date N/A 3483-12-3	Pennsylvania Revision Date 2007-03-01 67-68-5

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Massachusetts Revision Date 2007-07-01 67-56-1	Massachusetts N/A	Massachusetts N/A	Massachusetts N/A	Massachusetts Revision Date 2007/03/01 1310-73-2	Massachusetts N/A	Massachusetts N/A

**European/International Regulations:**

	Component A:	Component B:	Component C:	Component D:	Component E:	Component F:	Component G:
EC EINICS	200-659-6	230-237-7	231-598-3	255-695-5	231-659-4	222-468-7	200-664-3
<i>EC Risk statements</i>	10, 20/21/22, 68/20/21/22, 39/23/24/25, 23/24/25, 11, 40, 36, 36/38, 23/25	36/37/38- 21/22- 20/21/22	36- 36/37/38-22	41-36/38-22- 51/53-36- 36/37/38- 37/38	36/38-35-34	25-36/37/38	36/37/38
<i>WGK</i>	1	3	1	3	1	3	1
<i>Canada- DSL/NDSL</i>	Listed	Listed	Listed	Listed	Listed	Listed	Listed
<i>Canada- WHMIS classification</i>	D2B	N/A	N/A	D2B	D2B	D2B, D1B	D2B
<i>Canada- Canadian Ingredient Disclosure List</i>	Listed	N/A	N/A	Listed	Listed	N/A	Listed

**16. Other Information**

It is not intended for food, drug, household, agricultural or cosmetic use. A technically qualified individual experienced in handling potentially hazardous chemicals must supervise its use. The above information is believed to be correct but does not purport to be all-inclusive and shall be used only as a guide. Users should make independent decisions regarding completeness of the information based on all sources available. AnaSpec shall not be held liable for any damage resulting from handling or from contact with the above product.

**AnaSpec Inc.**

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