

# Safety Data Sheet (SDS)

<i>Revision Number: 1.0</i>	<i>Last updated: 26 October 2023</i>		
<b><u>1. Product and Company Identification</u></b>			
<i>Product Name:</i>	<b>SensoLyte<sup>®</sup> FAP (Seprase) Activity Assay Kit *Fluorimetric*</b>		
<i>Manufacturer/Supplier:</i>	<table style="width: 100%; border: none;"> <tr> <td style="width: 60%;">AnaSpec, Inc. www.anaspec.com 34801 Campus Drive Fremont, CA 94555 Tel: 510-791-9560 Fax: 510-791-9572 Email: service@anaspec.com</td> <td style="width: 40%; text-align: right;">Eurogentec S.A www.eurogentec.com LIEGE Science Park 4102 Seraing, Belgium Tel: +32-4-3727400 Fax: +32-4-3727500 EGT Helpdesk, Tel: +32-4-3727500</td> </tr> </table>	AnaSpec, Inc. www.anaspec.com 34801 Campus Drive Fremont, CA 94555 Tel: 510-791-9560 Fax: 510-791-9572 Email: service@anaspec.com	Eurogentec S.A www.eurogentec.com LIEGE Science Park 4102 Seraing, Belgium Tel: +32-4-3727400 Fax: +32-4-3727500 EGT Helpdesk, Tel: +32-4-3727500
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<i>Catalog Number</i>	AS-72273		
<i>Unit Size</i>	1 kit		
<b><u>2. Hazards Identification</u></b>			
<i>Emergency Overview:</i>			
<i>GHS Hazard Classification:</i>			
<i>GHS Physical Hazards</i>			
<b>Component A, B and E:</b> Flammable liquid (Category 4) <b>Component C:</b> Not applicable <b>Component D:</b> Eye irritation (Category 2A)			
<i>GHS Health and Environmental Hazards</i>			
<b>Component A, B, D and E:</b> Irritant to eyes and skin <b>Component C:</b> Not applicable			
<i>GHS Signal Words:</i>			
<b>Component A, B, C and E:</b> Warning <b>Component D:</b> Danger			
<i>GHS Hazard Statements:</i>			
<b>Component A, B and E:</b> H227 Combustible liquid <b>Component C:</b> Not applicable <b>Component D:</b> H302 Harmful if swallowed.			
<i>GHS Precautionary Statements:</i>			
<b>Component A, B, C, D and E:</b> Not a hazardous substance or mixture.			

*HMIS Classification:*

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

*NFPA Rating:*

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

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

<i>Chemical Name:</i>	<i>Description</i>	<i>CAS Number:</i>
<b>Component A</b>	Contains DMSO	67-68-5
<b>Component B</b>	Contains DMSO	67-68-5
<b>Component C</b>	Contain Glycerol	56-81-5
<b>Component D</b>	Solution	N/A
<b>Component E</b>	Contains DMSO	67-68-5

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**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, B and E:**

*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. Consult a physician.

**Component C and 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:* Flush eyes with water as a precaution. Consult a physician.

**5. Fire Fighting Measures**

<i>Extinguishing media:</i>	<b>Component A, B, C and E:</b> For small fires, use dry chemical, or carbon dioxide. For large fires, use water spray from a safe distance. <b>Component D:</b> Not applicable.
<i>Special firefighting procedures:</i>	<b>Component A, B and E:</b> Fire fighters should wear positive pressure self-contained breathing apparatus and full turnout gear. <b>Component C:</b> Wear self-contained breathing apparatus for firefighting if necessary. <b>Component D:</b> Not applicable.
<i>Unusual fire and explosions hazards:</i>	<b>Component A, B and E:</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. <b>Component C:</b> Hazardous carbon oxides and nitrogen oxides formed under fire conditions. <b>Component D:</b> No data available.

**6. Accidental Release Measures**

<i>Containment and spill response</i>	<b>Component A, B and E:</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 vermiculite, sand or earth, and place in appropriate container for disposal. Do not let material enter drains. Discharge into the environment must be avoided. <b>Component C:</b> Avoid breathing vapors, mist or gas. Avoid substance contact. Do not let product enter drains. Keep in suitable, closed containers for disposal. <b>Component D:</b> No data available.
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PPE	Use personal protective equipment
<b><u>7. Handling and Storage</u></b>	
<p><b>Component A, B and E:</b>  <i>Handling:</i> 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.  <i>Storage:</i> 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.</p> <p><b>Component C and D:</b>  <i>Handling:</i> Avoid contact with skin and eyes.  <i>Storage:</i> Keep container tightly closed in a dry and well-ventilated place.</p>	
<b><u>8. Exposure Controls / Personal Protection</u></b>	
<i>Engineering controls</i>	<p><b>Component A, B and E:</b> Facilities storing and using this material should be equipped with a safety shower and eyewash station. Adequate ventilation should also be present. Avoid contact with skin, eyes and clothing. Wash hands before breaks and immediately after handling the product.</p> <p><b>Component C:</b> Facilities storing or utilizing this material should be equipped with an eyewash facility and a safety shower. Use adequate ventilation to keep airborne concentrations low.</p> <p><b>Component D:</b> Not applicable.</p>
PPE	<p><b>Components A, B and E:</b>  <b><i>Eye/face protection</i></b>  Use equipment for eye protection tested and approved under appropriate government standards such as NIOSH (US) or EN 166(EU).</p> <p><b><i>Skin protection</i></b>  Handle with gloves. Gloves must be inspected prior to use. Use proper glove removal technique (without touching glove's outer surface) to avoid skin contact with this product. Dispose of contaminated gloves after use in accordance with applicable laws and good laboratory practices. Wash and dry hands.</p> <p><b><i>Body Protection</i></b>  Impervious clothing, the type of protective equipment must be selected according to the concentration and amount of the dangerous substance at the specific workplace.</p> <p><b><i>Respiratory protection</i></b>  Respiratory protection is not required. For nuisance exposures use type OV/AG (US) or type ABEK (EU EN 14387) respirator cartridges. Use respirators and components tested and approved under appropriate government standards such as NIOSH (US) or CEN (EU).</p> <p><b><i>Control of environmental exposure</i></b>  No special environmental precautions required.</p>

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	<p><b>Component C:</b> <b>Respiratory protection</b> Respiratory protection is not required. Where protection is desired, use multi-purpose combination (US) or type ABEK (EN 14387) respirator cartridges. Use respirators and components tested and approved under appropriate government standards such as NIOSH (US) or CEN (EU).</p> <p><b>Skin and Body</b> Wear appropriate work uniform or laboratory coat to prevent skin exposure. Hands: For prolonged or repeated contact use protective gloves. Eyes: Safety glasses</p> <p><b>Component D:</b> Not applicable.</p>
<b>9. Physical and Chemical Properties</b>	
<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 D: 7.5
<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>10. Stability and Reactivity</b>	
<i>Thermal Decomposition</i>	Not applicable
<i>Dangerous Products of Decomposition</i>	Not applicable
<i>Dangerous Reactions</i>	Not applicable
<b>11. Toxicological Information</b>	
<i>RTECS Number</i>	<b>Component A, B and E:</b> PV6210000 <b>Component C and D:</b> No data available.
<i>Toxicity</i>	<p><b>Component A, B and E contain DMSO.</b> <b>For DMSO</b> 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> <p><b>Component C:</b> Acute toxicity LD50 Oral - rat - 12,600 mg/kg LD50 Dermal - rabbit - &gt; 10,000 mg/kg Irritation and corrosion Skin - rabbit - Mild skin irritation - 24 h Eyes - rabbit - Mild eye irritation - 24 h</p>

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	<b>Component D:</b> No data available.
<i>Health Hazards</i>	No data available.
<i>Potential Hazards</i>	<i>Inhalation:</i> May be harmful if inhaled. Causes respiratory tract irritation. <i>Ingestion:</i> Harmful if swallowed. <i>Skin:</i> May be harmful if absorbed through skin. May cause skin irritation. <i>Eyes:</i> Causes eye irritation. 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.
<i>Carcinogenicity:</i>	No data available
<i>OSHA Permissible Exposure Limit(PEL) Data</i>	No data available
<i>ACGIH Threshold Limit Values (TLV)</i>	No data available

## **12. Ecological Information**

### *Toxicity*

**Component A, B and E:** (contain DMSO)

Dimethyl sulfoxide (DMSO) CAS-No. 67-68-5

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

**Component C:**

Toxicity to fish LC50 - Carassius auratus (goldfish) - > 5,000 mg/l

LC50 - Pimephales promelas (fathead minnow) - 44,000 mg/l

LC50 - other fish - > 100,100 mg/l

LC50 - Oncorhynchus mykiss (rainbow trout) - 67,500 mg/l - 96 h

**Component D:** No data available.

*Persistence and degradability*

No data available

*Bio accumulative potential*

No data available

*Mobility in soil*

No data available

*PBT and vPvB assessment*

PBT/vPvB assessment not available as chemical safety assessment not required/not conducted

*Other adverse effects*

No data available

## **13. Disposal Considerations**

**The combustible material (Component A, B, C and E)** 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.

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<i>UN Number</i>	N/A
<i>Hazard Class</i>	N/A
<i>Packing Group</i>	N/A
<i>Proper Shipping Name (DOT)</i>	N/A
<b><u>15. Regulatory information</u></b>	
<i>California Proposition 65</i>	N/A
<i>US TSCA (Toxic Substance Control Act)</i>	<b>All components:</b> Listed
<i>US CERCLA (Comprehensive Environmental Response, Compensation, and Liability Act)</i>	<b>Component A, B and E:</b> 261.33 8(d). <b>Component C and D:</b> N/A
<i>US SARA Title III</i>	<b>Component A, B and E</b> SARA 302 components: N/A SARA 313 components: N/A SARA 311/312 Hazards: Fire Hazard, Chronic Health Hazard <b>Component C</b> SARA 302 components: N/A SARA 313 components: N/A SARA 311/312 Hazards: Chronic Health Hazard <b>Component D</b> SARA 302 components: N/A SARA 313 components: N/A SARA 311/312 Hazards: Acute Health Hazard, Chronic Health Hazard
<i>US Clean Air Act</i>	<b>All components</b> <i>Listed under Hazardous Air Pollutants: Not listed</i> <i>Listed under Class 1 Ozone Depletors: Not listed</i> <i>Listed under Class 2 Ozone Depletors: Not listed</i>
<i>US Clean Water Act</i>	<b>All components</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>

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**US States: Right-to-Know: Listed in the following States:**

<b>Component A:</b>	<b>Component B:</b>	<b>Component C:</b>	<b>Component D:</b>	<b>Component E:</b>
Pennsylvania Revision Date 2007-03-01 CAS 67-68-5	Pennsylvania Revision Date 2007-03-01 CAS 67-68-5	Pennsylvania CAS 56-81-5 Revision Date 1991-07-01	Pennsylvania N/A	Pennsylvania Revision Date 2007-03-01 CAS 67-68-5
New Jersey Revision Date 2007-03-01 CAS 67-68-5	New Jersey Revision Date 2007-03-01 CAS 67-68-5	New Jersey CAS 56-81-5 Revision Date 1991-07-01	New Jersey N/A	New Jersey Revision Date 2007-03-01 CAS 67-68-5
Massachusetts N/A	Massachusetts N/A	Massachusetts CAS 56-81-5 Revision Date 1991-07-01	Massachusetts N/A	Massachusetts N/A

**European/International Regulations:**

	<b>Component A:</b>	<b>Component B:</b>	<b>Component C:</b>	<b>Component D:</b>	<b>Component E:</b>
<i>EC EINECS</i>	200-664-3	200-664-3	200-289-5	N/A	200-664-3
<i>EC Risk statements</i>	36/37/38	36/37/38	N/A	N/A	36/37/38
<i>WGK</i>	1	1	0	N/A	1
<i>Canada-DSL/NDL</i>	Listed	Listed	Listed	Not listed	Listed
<i>Canada-WHMIS classification</i>	D2B	D2B	N/A	N/A	D2B
<i>Canada-Canadian Ingredient Disclosure List</i>	Listed	Listed	Not Listed	Not listed	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.

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