

Material Safety Data Sheet (MSDS)

<i>Revision Number: 1.0</i>	<i>Last updated: January 18, 2013</i>
1. Product and Company Identification	
<i>Product Name:</i>	SensoLyte® anti-beta-Amyloid (1-40) (1-42) Human and Mouse ELISA Kit “Colorimetric”
<i>Manufacturer/Supplier:</i>	AnaSpec, Inc. www.anaspec.com 34801 Campus Drive Fremont, CA 94555 Tel: 510-791-9560 Fax: 510-791-9572 Email: service@anaspec.com
<i>Catalog Number</i>	55551, 55552, 55553, 55554
<i>Unit Size</i>	1 kit
2. Hazards Identification	
<i>Emergency Overview:</i>	
<i>GHS Hazard Classification:</i>	
<i>GHS Physical Hazards</i>	
Component A: Not Applicable	
Component B: Not Applicable	
Component C: Not Applicable	
Component D: Not Applicable	
Component E: Not Applicable	
Component F: Not Applicable	
Component G: Not Applicable	
Component H: Not Applicable	
Component I: Not Applicable	
<i>GHS Health and Environmental Hazards</i>	
Component A: Not Applicable	
Component B: Not Applicable	
Component C: Not Applicable	
Component D: Irritant to eyes	
Component E: Not applicable	
Component F: Causes serious eye damage.	
Causes Skin irritation.	
Component G: Irritant to eyes	
Component H: Not applicable	
Component I: Not Applicable	
<i>GHS Signal Words:</i>	
Component A: Not Applicable	

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Component B: Not Applicable
 Component C: Not Applicable
 Component D: Warning
 Component E: Not Applicable
 Component F: Warning
 Component G: Warning
 Component H: Not Applicable
 Component I: Not Applicable

GHS Hazard Statements:

Component A: Not Applicable
 Component B: Not Applicable
 Component C: H303 May be Harmful if swallowed.
 Component D: H303 May be Harmful if swallowed.
 Component E: H303 May be Harmful if swallowed.
 Component F: H318 Causes serious eye damage.
 H315 Causes skin irritation
 Component G: H303 May be harmful if swallowed.
 Component H: H303 May be harmful if swallowed.
 Component I: Not Applicable

GHS Precautionary Statements:

Component A: -None
 Component B: -None
 Component C: -None
 Component D: -None
 Component E: -None
 Component F: - P280 Wear protective gloves/eye protection/face protection.
 P305 + P351 + P338 IF IN EYES: Rinse cautiously with water.
 Remove contact lenses, if present and easy to do. Continue rinsing.
 Component G: -None
 Component H: -None
 Component I: -None

HMIS Classification:

Component A:	Component B:	Component C:	Component D:	Component F:	Component F:	Component G:	Component H:	Component I:
Health hazard: 0	Health hazard: 0	Health hazard: 0	Health hazard: 0	Health hazard: 0	Health hazard: 3	Health hazard: 0	Health hazard: 0	Health hazard: 0
Flammability: 0	Flammability: 0	Flammability: 0	Flammability: 0	Flammability: 0	Flammability: 0	Flammability: 0	Flammability: : 0	Flammability: 0
Physical hazards: 0	Physical hazards: 0	Physical hazards: 0	Physical hazards: 0	Physical hazards: 0	Physical hazards: 0	Physical hazards: 0	Physical hazards: 0	Physical hazards: 0

NFPA Rating:

Component	Component	Component	Component	Component	Component	Component	Component	Component
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A:	B:	C:	D:	E:	F:	G:	H:	I:
<i>Health hazard:</i> 0	<i>Health hazard:</i> 0	<i>Health hazard:</i> 0	<i>Health hazard:</i> 0	<i>Health hazard:</i> 0	<i>Health hazard:</i> 3	<i>Health hazard:</i> 0	<i>Health hazard:</i> 0	<i>Health hazard:</i> 0
<i>Fire:</i> 0	<i>Fire:</i> 0	<i>Fire:</i> 0	<i>Fire:</i> 0	<i>Fire:</i> 0	<i>Fire:</i> 0	<i>Fire:</i> 0	<i>Fire:</i> 0	<i>Fire:</i> 0
<i>Reactivity hazards:</i> 0	<i>Reactivity hazards:</i> 0	<i>Reactivity hazards:</i> 0	<i>Reactivity hazards:</i> 0	<i>Reactivity hazards:</i> 0	<i>Reactivity hazards:</i> 0	<i>Reactivity hazards:</i> 0	<i>Reactivity hazards:</i> 0	<i>Reactivity hazards:</i> 0

3. Composition / Information on Ingredients

Ingredients/Components:

<i>Chemical Name:</i>	<i>Description</i>	<i>CAS Number:</i>
Component A	Proprietary	N/A
Component B	Proprietary	N/A
Component C	Proprietary	N/A
Component D	Proprietary	N/A
Component E	Proprietary	N/A
Component F	1 M Hydrochloric Acid	7647-01-0
Component G	Proprietary	NA
Component H	Proprietary	NA
Component I	Proprietary	N/A

4. First Aid Measures

Component A, B, C, D, E, G, H, I:

Inhalation: NA

Ingestion: NA

Skin: NA

Eyes: NA

Component F:

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. Continue rinsing eyes during transport to hospital.

5. Fire Fighting Measures

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<i>Suitable Extinguishing media:</i>	Component A, B, C, D, E, F, G, H and I: Use extinguishing measures that are appropriate to local circumstances and the surrounding environment
<i>Special firefighting procedures:</i>	Component A, B, C, D, E, F, G, H and I: Wear self contained breathing apparatus for fire fighting if necessary
<i>Unusual fire and explosions hazards:</i>	Component A, B, C, D, E, G, H and I: Not applicable. Component F : Hazardous decomposition products formed under fire conditions.-Hydrogen chloride gas

6. Accidental Release Measures

<i>Containment and spill response</i>	Component A, B, C, D, E, G, H and I: Not applicable. Component F: Avoid breathing vapors, mist, or gas. Ensure adequate ventilation. Evacuate personnel to safe areas. Do not let material enter drains. Soak up with inert absorbent material and dispose of as hazardous waste. Keep in suitable, closed containers for disposal.
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<i>PPE</i>	Use personal protective equipment
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7. Handling and Storage

Component A, B, C, D, E, G, H and I: Not Applicable.

Component F:

Handling: Avoid contact with skin and eyes. Avoid inhalation of vapors pr mist.

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

8. Exposure Controls / Personal Protection

<i>Engineering controls</i>	Component F: Facilities storing and using this material should be equipped with a safety shower and eyewash station. Adequate ventilation should also be present. Component A, B, C, D, E, G and I: Not applicable.
<i>PPE</i>	Component A, B, C, D, E and G: <i>Respiratory System:</i> Not applicable <i>Skin and Body:</i> Wear appropriate work uniform or laboratory coat to prevent skin exposure. <i>Hands:</i> Use chemical resistant, impervious gloves. Appropriate techniques should be used to remove potentially contaminated gloves. <i>Eyes:</i> Tightly fitting safety goggles safety glasses.

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Component F

Respiratory System: Use a full-face supplied air respirator. Use respirators and components tested and approved under appropriate government standards such as NIOSH (US) or CEN (EU).

Skin and Body: Wear appropriate work uniform or laboratory coat to prevent skin exposure.

Hands: Use chemical resistant, impervious gloves. Appropriate techniques should be used to remove potentially contaminated gloves.

Eyes: Tightly fitting safety goggles safety glasses.

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 C: pH-7.5 Component D: pH-7.5 Component E: pH=7.5 Component F: pH=2.0 Component G: pH-7.5 Component H: pH-7.5
<i>Boiling Point</i>	Not determined
<i>Melting Point</i>	Not determined
<i>Flash Point</i>	Not applicable
<i>Vapor Pressure:</i>	Not determined
<i>Vapor Density:</i>	Not determined

10. Stability and Reactivity

<i>Thermal Decomposition</i>	Hazardous decomposition products formed under fire conditions.- Hydrogen chloride gas
<i>Dangerous Products of Decomposition</i>	No data available
<i>Dangerous Reactions</i>	No data available
<i>Materials to Avoid</i>	Bases, Amines, Alkali metals, Metals, hexalithium desilicide, permanganates, Fluorine

11. Toxicological Information

<i>RTECS Number</i>	Component A: No data available Component B: No data available Component C: No data available Component D: No data available Component E: No data available Component F: No data available Component G: No data available
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	Component H: No data available Component I: No data available
<i>Toxicity</i>	Components A, B, C, D, E, F, G, H, I Oral LD50 No data available Inhalation LC50 No data available Dermal LD50 No data available Other information on acute toxicity No data available
<i>Health Hazards</i>	No data available
<i>Potential Hazards</i>	Components A, B, C, D, E, F, G, H, I No data available Component F: Potential Health Effects Inhalation May be harmful if inhaled. Material is extremely destructive to the tissue of the mucous membranes and upper respiratory tract.. Skin Harmful if absorbed through skin. Causes skin burns. Eyes Causes eye burns. Ingestion Harmful if swallowed
<i>Carcinogenicity:</i> <i>IARC:</i> <i>NTP:</i> <i>OSHA:</i>	Components A, B, C, D, E, F, G, H, I No data available Component F: 3-Group 3: Not classifiable as to its carcinogenicity to humans No component of this product present at levels greater than or equal to 0.1% is identified as a known or anticipated carcinogen by NTP No component of this product present at levels greater than or equal to 0.1% is identified as a known or potential carcinogen by OSHA
<i>OSHA Permissible Exposure Limit(PEL) Data</i>	No data available
<i>ACGIH Threshold Limit Values (TLV)</i>	No data available

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12. Ecological Information:

Components A, B, C, D, E, F, G, H, I:

Toxicity

No data available

Persistence and degradability

No data available

Bioaccumulative potential

No data available

Mobility in soil

No data available

PBT and vPvB assessment

No data available

Other adverse effects

No data available

13. Disposal Considerations**Components A, B, C, D, E, G, H, I:****Product**

Not applicable

Contaminated packaging

Dispose of as unused product.

Component F:**Product**

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

Contaminated packaging

Dispose of as unused product.

14. Transport Information:**DOT (US)****Components A, B, C, D, E, G, H, I:**

Not applicable

Component F:

UN number: 1789 Class:8

Proper shipping name: Hydrochloric acid

Marine pollutant: No

Poison inhalation hazard: No

Packing group: III

IMDG**Components A, B, C, D, E, G, H, I:**

Not applicable

Component F:

UN number: 1789 Class:8

Proper shipping name: HYDROCHLORIC ACID

Marine pollutant: No

Packing group: III

EMS-No: F-A, S-B

IATA**Components A, B, C, D, E, G, H, I:**

Not applicable

Component F:

UN number: 1789 Class:8

Proper shipping name: Hydrochloric acid

Packing group: III

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15. Regulatory information								
California Proposition 65:				Components A, B, C, D, E, F, G, H, I: These products do not contain any chemicals known to the state of California to cause cancer, birth defects, or any other reproductive harm				
US TSCA (Toxic Substance Control Act):				Components A, B, C, D, E, F, G, H, I: Not Listed				
US CERCLA (Comprehensive Environmental Response, Compensation, and Liability Act):				Components A, B, C, D, E, F, G, H, I: Not Listed				
US SARA Title III				Component A, B, C, D, E, G, H and I: SARA 302 components: N/A SARA 313 components: N/A SARA 311/312 Hazards: N/A Component F: SARA 302 components: N/A SARA 313 components: CAS-No. 7647-01-0 SARA 311/312 Hazards: Not listed				
US Clean Air Act:				Component A, B, C, D, E F, G, H and I <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>				
US Clean Water Act:				Components A, B, C, D, E,F, G, H and I Listed under “Hazardous Substances”: Not listed <i>Listed under “Priority Pollutants”: Not listed</i> Listed under “Toxic Pollutants”: Not listed				
US States: Right-to-Know: Listed in the following States:								
Component A:	Component B:	Component C:	Component D:	Component E:	Component F:	Component G:	Component H:	Component I:
N/A	N/A	N/A	N/A	N/A	Pennsylvania: CAS7647-01-0 CAS7732-18-5 Revision date 1993-04-24	N/A	N/A	N/A
N/A	N/A	N/A	N/A	N/A	New Jersey CAS7647-01-0 CAS7732-18-5 Revision date 1993-04-24	N/A	N/A	N/A
N/A	N/A	N/A	N/A	N/A	Massachusetts CAS7647-01-0 Revision date 1993-04-24	N/A	N/A	N/A

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European/International Regulations:

	Component A:	Component B:	Component C:	Component D:	Component E:	Component F:	Component G:	Component H:	Component I:
EC EINICS	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
EC Risk statements	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
WGK	N/A	N/A	N/A	N/A	N/A	N/A		N/A	N/A
Canada-DSL/NDL	Not Listed	Not Listed	Not Listed	Not Listed	Not Listed	Not Listed	Not Listed	Not Listed	Not Listed
Canada-WHMIS classification	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
Canada-Canadian Ingredient Disclosure List	Not Listed	Not Listed	Not Listed	Not Listed	Not Listed	Not Listed	Not Listed	Not Listed	Not Listed

16. Other Information**Components A, B, C, D, E, G, H, I:**

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.

Component F:

H314 Causes severe skin burns and eye damage

H335 May cause respiratory irritation

Skin Corr. Skin Corrosion

STOT SE Specific target organ toxicity-single exposure

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