

Safety Data Sheet (SDS)

<i>Revision Number: 1.1</i>	<i>Last updated: January 2015</i>
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1. Product and Company Identification

<i>Product Name:</i>	Human Renin , Recombinant
<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>	AS-72041
<i>Unit Size</i>	5 µg

2. Hazards Identification

<i>Emergency Overview:</i>	
<i>GHS Hazard Classification:</i>	Non-hazardous
<i>GHS Physical Hazards:</i>	None
<i>GHS Health and Environmental Hazards:</i>	None
<i>GHS Signal Words:</i>	None
<i>GHS Hazard Statements:</i>	None
<i>GHS Precautionary Statements:</i>	None
<i>HMIS Classification:</i>	
<i>Health hazard:</i>	0
<i>Flammability:</i>	0
<i>Physical hazards:</i>	0
<i>NFPA Rating:</i>	
<i>Health hazard:</i>	0
<i>Fire:</i>	0
<i>Reactivity Hazard:</i>	0

3. Composition / Information on Ingredients

Ingredients/Components:

<i>Chemical Name:</i>	<i>Description</i>	<i>CAS Number:</i>
Human Renin, Recombinant	The Human renin in 50 mM Mops, pH 7.0 with BSA and sodium azide.	NA

4. First Aid Measures

General advice

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

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.

5) Fire Fighting Measures

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<i>Extinguishing media:</i>	Use water spray, alcohol-resistant foam, dry chemical or carbon dioxide.
<i>Special firefighting procedures:</i>	Wear self-contained breathing apparatus (SCBA) if necessary.
<i>Unusual fire and explosions hazards:</i>	Not applicable
<u>6. Accidental Release Measures</u>	
<i>Containment and spill response</i>	Keep in suitable, closed containers for disposal. Do not let material enter drains.
<i>PPE</i>	Use personal protective equipment
<u>7. Handling and Storage</u>	
<i>Handling:</i> Avoid contact with skin and eyes. Normal measures for preventive fire protection.	
<i>Storage:</i> Store at -80 °C	
<u>8. Exposure Controls / Personal Protection</u>	
<i>Engineering controls</i>	None
<i>PPE</i>	None
<u>9. Physical and Chemical Properties</u>	
<i>Physical State</i>	Liquid
<i>Odo</i>	Not determined
<i>Solubility in Water</i>	Soluble
<i>Specific Gravity</i>	Not determined
<i>pH</i>	7.0
<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
<u>10. Stability and Reactivity</u>	
<i>Thermal Decomposition</i>	Not applicable
<i>Dangerous Products of Decomposition</i>	Not Applicable
<i>Dangerous Reactions</i>	Not Applicable
<u>11. Toxicological Information</u>	
<i>RTECS Number</i>	NA
<i>Toxicity</i>	<i>Not identified</i>
<i>Health Hazards</i>	<i>No data available</i>
<i>Potential Hazards</i>	May cause skin irritation. May cause eye irritation. May be harmful if swallowed May be harmful if absorbed through skin.
<i>Carcinogenicity:</i>	No data available
<i>OSHA Permissible Exposure Limit(PEL) Data</i>	No data available

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<i>ACGIH Threshold Limit Values (TLV)</i>	No data available
<u>12. Ecological Information</u>	
Toxicity Toxicity to daphnia and other aquatic invertebrates. EC50 - Daphnia pulex (Water flea) - >100 mg/l – 48 h <i>Persistence and degradability</i> :No data available <i>Bio accumulative potential</i> : No data available <i>Mobility in soil</i> : No data available <i>PBT and vPvB assessment</i> : No data available <i>Other adverse effects</i> : No data available	
<u>13. Disposal Considerations</u>	
Offer surplus and non-recyclable solutions to a licensed disposal company. Contaminated packaging Dispose of as unused product.	
<u>14. Transport Information:</u> IATA Exempted quantities labeling	
<u>15. Regulatory information</u>	
<i>California Proposition 65: Not Listed</i> <i>US TSCA (Toxic Substance Control Act): Not Listed</i> <i>US CERCLA (Comprehensive Environmental Response, Compensation, and Liability Act): Not Listed</i> <i>US SARA Title III (Superfund Amendments and Reauthorization Act): Not Listed</i> <i>US Other: Not listed</i> <i>EC EINECS (European Inventory of Existing Commercial Chemical Substances) Number: Not Listed</i> <i>EC Risk Statements: Not Determined</i> <i>Other Country Regulations: Not Determined</i>	
<u>16. Other Information</u>	
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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