# Safety Data Sheet (SDS)

Revision Number: 2.0	Last updated: 22 July 2019
1. Product and Company Iden	<u>tification</u>
Product Name:	Adrenomedullin (22 - 52), human
	TVQKLAHQIYQFTDKDKDNVAPRSKISPQGY - NH2
Manufacturer/Supplier:	AnaSpec, Inc.
	www.anaspec.com
	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>
Catalog Number:	AS-60449

### 2. Hazards Identification

*Emergency Overview:* We do recommend handling all chemicals with caution. Use proper protective equipment when handling chemicals. To our knowledge, the hazards of this material have not been thoroughly investigated.

GHS Hazard Classification:

GHS Physical Hazards:

GHS Health and Environmental Hazards

GHS Signal Words: None

GHS Hazard Statements: H303, H313, Maybe harmful if swallowed or in contact with skin. Wear PPE.

GHS Precautionary Statements: P302, P340 May be respiratory irritant if inhaled. May cause respiratory tract irritation.

Potential Health Effects for:

*Inhalation:* If inhaled, remove to fresh air. If not breathing, give artificial respiration. If breathing is difficult, give oxygen. Good hygiene practice requires that exposure be kept to a minimum and that suitable control

measures be used in an occupational setting.

*Ingestion:* If swallowed, wash out mouth with water provided person is conscious. Call a physician.

Skin: In case of contact, immediately wash skin with soap and copious amount of water.

Eyes: In case of contact, immediately flush eyes with copious amounts of water for at least 15 minutes.

Chronic Exposures: No information available. We recommend limiting prolonged exposure.

Target Organs: No information available

HMIS Classification

Health hazard: 0

Chronic Health Hazard: 0

Flammability: 0
Physical hazards: 0

NFPA Rating

Health hazard: 0

Fire: 0

Reactivity Hazard: 0

# 3. Composition

Ingredients/Components:

Chemical Name: Adrenomedullin (22 - 52), human

TVQKLAHQIYQFTDKDKDNVAPRSKISPQGY-NH2

Molecular formula: N/A Molecular weight: 3576 CAS-No: N/A EC-No: N/A

Inhalation:	If dust is inhaled, remove from contaminated area.			
	Encourage patient to blow nose to ensure clear passage of breathing.			
	If irritation or discomfort persists seek medical attention.			
Ingestion:	If swallowed do <b>NOT</b> induce vomiting.			
	If vomiting occurs, lean patient forward or place on left side (head-down position, if possible) to			
	maintain open airway and prevent aspiration.			
	Observe the patient carefully.			
	Give water to rinse out mouth, then provide liquid slowly and as much as casualty can comfortably			
	drink.			
	Seek medical advice.			
Skin:	If skin or hair contact occurs:			
	Flush skin and hair with running water (and soap if available).			
	Seek medical attention in event of irritation.			
Eyes:	If this product comes in contact with the eyes:			
	Wash out immediately with fresh running water.			
	Ensure complete irrigation of the eye by keeping eyelids apart and away from eye and moving the			
	eyelids by occasionally lifting the upper and lower lids.			
	If pain persists or recurs seek medical attention.			

Extinguishing media:		Water spray or fog.
Exunguishing medid.		Alcohol resistant foam.
		Dry chemical powder.
		BCF (where regulations permit).
		Carbon dioxide
Special firefighting procedures:		Alert Emergency Responders and tell them location and nature of
		hazard.
		Wear breathing apparatus plus protective gloves.
		Prevent, by any means available, spillage from entering drains or water course.
		Use water delivered as a fine spray to control fire and cool adjacent
		area.
		DO NOT approach containers suspected to be hot.
		Cool fire exposed containers with water spray from a protected
		location.  If safe to do so, remove containers from path of fire.
		Equipment should be thoroughly decontaminated after use.
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Unusual fire and explos	ions hazards:	Emits toxic fumes under fire conditions
6. Accidental Release	<u>Measures</u>	
Spill response		ll ignition sources.
-		
		ıll spills immediately.
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8. Exposure Controls	/ Personal Protection	<u>on</u>	
Engineering controls	Local exhaust ventilation is required where solids are handled as powders or even when particulates are relatively large, a certain proportion will be powdern mutual friction.  Exhaust ventilation should be designed to prevent accumulation and re-circul particulates in the workplace.  If in spite of local exhaust an adverse concentration of the substance in air corespiratory protection should be considered. Such protection might consist of (a): particle dust respirators, if necessary, combined with an absorption cartric (b): filter respirators with absorption cartridge or canister of the right type; (c): fresh-air hoods or masks  Build-up of electrostatic charge on the dust particle, may be prevented by borgrounding.  Powder handling equipment such as dust collectors, dryers and mills may requadditional protection measures such as explosion venting.  Air contaminants generated in the workplace possess varying "escape" velocion turn, determine the "capture velocities" of fresh circulating air required to the substance of the substance in air contaminants generated in the workplace possess varying air required to the substance of the substance in air contaminants generated in the workplace possess varying air required to the substance of the substance in air contaminants generated in the workplace possess varying "escape" velocion turn, determine the "capture velocities" of fresh circulating air required to the substance of the s		
PPE	remove the contaminant.  Use personal protective equipment		
9. Physical and Chemical PropertiesPhysical StateWhite PowderOdorNot availableSolubility in WaterNot availableSpecific GravityNot available			
pH Boiling Point Melting Point	Not available Not available Not available		
Flash Point Vapor Pressure: Vapor Density:	N/A N/A N/A		
10. Stability and Rea			
Thermal Decompositio		No data available	
Dangerous Products of	Decomposition	No data available	
Dangerous Reactions		COx, NOx when burned	
	·	ventilated place. Store in -20°C refrigerator.	
11. Toxicological Info	<u>ormation</u>	N/A	
		INI/A	

Health Hazards	Although ingestion is not thought to produce harmful
	effects, the material may still be damaging to the
	health of the individual following ingestion, especially
	where pre-existing organ (e.g. liver, kidney)
	damage is evident. In an occupational setting however,
	ingestion of insignificant quantities is not thought to be
	cause for concern.
Potential Hazards	Not available
Carcinogenicity:	No significant acute toxicological data identified
OSHA Permissible Exposure Limit(PEL) Data	N/A
ACGIH Threshold Limit Values (TLV)	N/A
ACGITI Inresnoia Limii Values (ILV)	IV/A

Reproductive Toxicity:

No information available

# 12. Ecological Information

No information available.

#### 13. Disposal Considerations

All waste must be handled in accordance with local, state and federal regulations. Legislation addressing waste disposal requirements may differ by country, state and/ or territory. Each user must refer to laws operating in their area. In some areas, certain wastes must be tracked.

# 14. Transport Information

Hazard Class	N/A
Identification Number	N/A
Packing Group	N/A
Proper Shipping Name (DOT)	N/A

# 15. Regulatory Information

California Proposition 65: N/A

US TSCA (Toxic Substance Control Act): N/A

US CERCLA (Comprehensive Environmental Response, Compensation, and Liability Act: N/A

US SARA Title III (Superfund Amendments and Reauthorization Act: N/A

US Other: N/A

EC EINICS (European Inventory of Existing Commercial Chemical Substances) Number: N/A

EC Risk Statements: N/A

Other Country Regulations: N/A

## 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.