Safety Data Sheet (SDS)

Revision Number: 4.0		1	Last updated	23 July 2019
1. Product and Company Identification	<u>on</u>			
Product Name:	`	- 65), sulfated EI PEE Y(SO3H)LQ -	- ОН	
Manufacturer/Supplier:	AnaSpec, Inc. www.anaspec.com 34801 Campus Drive Fremont, CA 94555 Tel: 510-791-9560 Fax: 510-791-9572 Email: service@anaspec.com Kaneka Eurogentec SA, Rue du Bois Saint Jean 5 4102 Seraing Belgium Tel. +32-4-3727400 Fax. +32-4-3727500 E-mail info@eurogentec.com			
	Tel. +32-4-3	gentec Helpdesk 727665		
Catalog Number	AS-62986			
Relevant identified uses of the substance/preparation and uses advised against	For laborator	y use only.		
Emergency information	Please contact the regional Eurogentec representation in your country or Kaneka Eurogentec S.A. directly (from 8 am to 6 pm)			
2. Hazards Identification				
Emergency Overview: We do re protective equipment (PPE) when hand have not been thoroughly investigated.				
GHS Hazard Classification: GHS Physical Hazards: Not a d GHS Health and Environmental Haz		ce according to the GHS agerous substance accord		S
GHS Signal Words: None				

GHS Hazard Statements: None

GHS Precautionary Statements: None

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: Hirudin (54 - 65), sulfated

Ac - GDF EEI PEE Y(SO3H)LQ - OH

Molecular formula: NA Molecular weight: 1590.7

CAS-No NA EC-No NA

4. First Aid Measures

Inhalation:	If dust is inhaled, remove from contaminated area.
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	Encourage patient to blow nose to ensure clear passage of breathing.
	If irritation or discomfort persists seek medical attention.
Ingestion:	If swallowed do NOT 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.
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5. Fire Fighting Meas	<u> </u>	TXX	
Extinguishing media:		Water spray or fog.	
		Alcohol resistant foam. Dry chemical powder.	
		BCF (where regulations permit).	
		Carbon dioxide	
		Caroon dioxide	
Special firefighting pro	ocedures:	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 explosions hazards:		Emits toxic fumes under fire conditions	
C. Assilvatel Delegan	M		
6. Accidental Release			
		ll ignition sources.	
		all spills immediately.	
Control pe		atact with skin and eyes. Personal contact by using protective equipment.	
		ean up procedures and avoid generating dust.	
		suitable, labeled container for waste disposal	
Containment		personal contact, including inhalation.	
		ective clothing when risk of exposure occurs.	
	Use in a w	Use in a well-ventilated area.	
		DO NOT enter confined spaces until atmosphere has been checked.	
		allow material to contact humans, exposed food or food utensils.	
When hand		tact with incompatible materials.	
		lling, DO NOT eat, drink or smoke.	
		ainers securely sealed when not in use.	
		vsical damage to containers.	
	•	ash hands with soap and water after handling.	
		occupational work practice.	
		stainare may contain regidual duet which has the notential to accumulate	
	Empty cor following	ntainers may contain residual dust which has the potential to accumulate settling. Such dusts may explode in the presence of an appropriate ignition	
	Empty cor following source.		
PPF	Empty cor following source. Do NOT c	settling. Such dusts may explode in the presence of an appropriate ignition out, drill, grind or weld such containers	
PPE	Empty cor following source. Do NOT c	settling. Such dusts may explode in the presence of an appropriate ignition	
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8. Exposure Controls / Po	ersonal Protection		
e n	Local exhaust ventilation is required where solids are handled as powders or crystals; even when particulates are relatively large, a certain proportion will be powdered by mutual friction. Exhaust ventilation should be designed to prevent accumulation and re-circulation of		
	articulates in the wo		
			adverse concentration of the substance in air could occur,
			be considered. Such protection might consist of:
			f necessary, combined with an absorption cartridge; or canister of the right type;
	c): fresh-air hoods o		orphion than age of the most of the right type,
			ge on the dust particle, may be prevented by bonding and
	grounding. Powder handling equipment such as dust collectors, dryers and mills may require additional protection measures such as explosion venting.		
P			
			the workplace possess varying "escape" velocities which,
		-	e velocities" of fresh circulating air required to efficiently
	emove the contamir Use personal protect		amont
rre C	se personal protect	ive equip	ment
9. Physical and Chemical	Properties		
Physical State	White Solid		
Odour	Not available		
Solubility in Water	Not available		
Specific Gravity	Not available		
pH	Not available Not available		
Boiling Point	Not available Not available		
Melting Point	Not available		
Flash Point	N/A		
Vapor Pressure:	N/A		
Vapor Density:	N/A		
10. Stability and Reactive	itv		
Thermal Decomposition		No data	available
Dangerous Products of De	composition		available
			Ox when burned
Dungerous reactions		0011,11	
Keep container tightly clos	ed in a dry well-ver	ntilated p	lace. Store in -20 °C, dry refrigerator.
11. Toxicological Informa	ation		
RTECS Number			N/A
Toxicity			No information available.
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
Dotontial II 1			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
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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.