Safety Data Sheet (SDS)

	Last updated 22 July 2019
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www.anaspe 34801 Camp Fremont, Ca Tel: 510-79 Fax: 510-79 Email: servi Kaneka Eur Rue du Bois Tel. +32-4-3 Fax. +32-4- E-mail info	ec.com pus Drive A 94555 1-9560 1-9572 ce@anaspec.com ogentec SA, Saint Jean 5 4102 Seraing Belgium 8727400 3727500 @eurogentec.com ogentec Helpdesk
	act the regional Eurogentec representation in your Kaneka Eurogentec S.A. directly (from 8 am to 6
lling chemicals	dling all chemicals with caution. Use proper To our knowledge, the hazards of this material cance according to the GHS angerous substance according to the GHS
	NGR Peptic H - C(S-)NC)K(D-)K(D-) (Disulfide brid AnaSpec, In www.anaspe 34801 Camp Fremont, CA Tel: 510-79 Email: servi Kaneka Eure Rue du Bois Tel. +32-4-3 Fax. +32-4-3 E-mail info Kaneka Eure Tel. +32-4-3 For laborato Please conta country or K pm)

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: NGR Peptide 1

 $H - C(S-)NG \ RC(S-)G \ GK(D-)L(D-) \ A(D-)K(D-)L(D-) \ A(D-)K(D-)K(D-)$

L(D-)A(D-)K(D-)L(D-)A(D-)K(D-)-NH2

(Disulfide bridge: 1-5)

Molecular formula: NA Molecular weight: 2168.7

CAS-No NA EC-No NA

4. First Aid Measures

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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 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.

T	<u>sures</u>	TVV		
Extinguishing media:		Water spray or fog.		
		Alcohol resistant foam. Dry chemical powder.		
		BCF (where regulations permit).		
		Carbon dioxide		
		Caroon 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		
1		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 explo	sions hazards:	Emits toxic fumes under fire conditions		
6. Accidental Release	Measures			
Spill response		Remove all ignition sources.		
		Clean up all spills immediately.		
		tact with skin and eyes.		
		ersonal contact by using protective equipment.		
		Use dry clean up procedures and avoid generating dust. Place in a suitable, labeled container for waste disposal		
		personal contact, including inhalation.		
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8. Exposure Controls	Personal Protection	<u>n</u>				
Engineering controls	even when particular mutual friction.	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				
	particulates in the v					
	If in spite of local exhaust an adverse concentration of the substance in air could occur, respiratory protection should be considered. Such protection might consist of: (a): particle dust respirators, if necessary, combined with an absorption cartridge; (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 bonding and					
	grounding.	quipment such as dust collectors, dryors and mills may require				
	Powder handling equipment such as dust collectors, dryers and mills may require additional protection measures such as explosion venting.					
		generated in the workplace possess varying "escape" velocities which,				
		the "capture velocities" of fresh circulating air required to efficiently				
	remove the contam	inant.				
PPE	Use personal protect	ctive equipment				
9. Physical and Chemic	<u>eal Properties</u>					
Physical State	White Powder					
Odour	Not available					
Solubility in Water	Not available					
Specific Gravity	Not available					
рН	Not available					
Boiling Point	Not available					
Melting Point	Not available					
Flash Point	N/A					
Vapor Pressure:	N/A					
Vapor Density:	N/A					
10. Stability and Reac	<u>ivity</u>					
Thermal Decomposition		No data available				
Dangerous Products of Decomposition		No data available				
Dangerous Reactions		COx, NOx when burned				
	·	entilated place. Store in -20 °C, dry refrigerator.				
11. Toxicological Info	<u>mation</u>					
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				
		cause for concern.				
Potential Hazards		Not available				
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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.