Safety Data Sheet (SDS)

Revision Number: 4.0		Last updated 23 July 2019		
1. Product and Company Identification				
Product Name:	Human Lactotransferrin (37-61), Lactoferricin H			
	H - TKC(S-) FQW QRN MRK VRG PPV SC(S-)I KRD S - OH		
	(Disulfide bety	ween Cys3 and Cys20)		
Manufacturer/Supplier:	AnaSpec, In	nc.		
•	www.anaspec.com			
	34801 Campus Drive			
	Fremont, C	-		
	Tel: 510-79			
	Fax: 510-79			
		ice@anaspec.com		
	Zinan. <u>sor</u> vi	ee e unuspecteom		
	Kaneka Eur	rogentec SA,		
	Rue du Bois Saint Jean 5 4102 Seraing Belgium			
	Tel. +32-4-3			
	Fax. +32-4-	3727500		
	E-mail info	@eurogentec.com		
		ogentec Helpdesk		
	Tel. +32-4-3	3727665		
Catalog Number	AS-64074			
Relevant identified uses of the substance/preparation and uses advised	For laborate	ory use only.		
against				
Emergency information		act the regional Eurogentec representation in your		
	country or k	Kaneka Eurogentec S.A. directly (from 8 am to 6		
	pm)			
2. Hazards Identification				
		dling all chemicals with caution. Use proper and a control our knowledge, the hazards of this material		
		ance according to the GHS angerous substance according to the GHS		
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: Human Lactotransferrin (37-61), Lactoferricin H

H - TKC(S-) FQW QRN MRK VRG PPV SC(S-)I KRD S - OH

(Disulfide between Cys3 and Cys20)

Molecular formula: NA Molecular weight: 3019.7

CAS-No NA EC-No NA

4. First Aid Measures

x 1 1	
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.		
		Equipment should be thoroughly decontainmated after use.		
Unusual fire and explosions hazards:		Emits toxic fumes under fire conditions		
6. Accidental Release	Measures			
		move all ignition sources.		
		all spills immediately.		
		tact with skin and eyes.		
		ersonal contact by using protective equipment. ean up procedures and avoid generating dust.		
		suitable, labeled container for waste disposal		
Containment				
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Containment	Wear prot	ective clothing when risk of exposure occurs.		
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Containment	Wear prot Use in a w DO NOT	ective clothing when risk of exposure occurs. vell-ventilated area.		
Containment	Wear prot Use in a w DO NOT DO NOT Avoid con	ective clothing when risk of exposure occurs. rell-ventilated area. enter confined spaces until atmosphere has been checked. allow material to contact humans, exposed food or food utensils. ttact with incompatible materials.		
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8. Exposure Controls / P	ersonal Protection		
Engineering controls I I I I I I I I I I I I I	cocal exhaust ventilations when particulate nutual friction. Exhaust ventilations warticulates in the word in spite of local expessivatory protectionals: particle dust respirators continuous productions and the production of the	should be orkplace. haust an n should boirators, i with absor masks attic charguipment s n measure nerated ir e "capture	equired where solids are handled as powders or crystals; latively large, a certain proportion will be powdered by designed to prevent accumulation and re-circulation of adverse concentration of the substance in air could occur, be considered. Such protection might consist of: f necessary, combined with an absorption cartridge; orption cartridge or canister of the right type; ge on the dust particle, may be prevented by bonding and such as dust collectors, dryers and mills may require as such as explosion venting. In the workplace possess varying "escape" velocities which, the velocities of fresh circulating air required to efficiently
	emove the contamir		
PPE U	Jse personal protect	ive equip	ment
9. Physical and Chemical	<u>Properties</u>		
Physical State	White Powder		
Odour	Not available		
Solubility in Water	Not available		
Specific Gravity	Not available		
pH	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 Reactiv	<u>ity</u>		
Thermal Decomposition		No data	available
Dangerous Products of De	composition	No data	available
			Ox when burned
	·		lace. Store in -20 °C, dry refrigerator.
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

Carcinogenicity:	No significant acute toxicological data identified
OSHA Permissible Exposure Limit(PEL) Data	N/A
ACGIH Threshold Limit Values (TLV)	N/A
	<u> </u>

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.