Safety Data Sheet (SDS)

	Last updated 14 April 2020
<u>on</u>	
348-357- Ly	-2 Spike RBD (receptor binding domain), ys(Biotin-LC)
ASVYAWNE	RKR-K(Biotin-LC)-NH2
www.anasp 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, s Saint Jean 5 4102 Seraing Belgium 3727400
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	SARS-CoV 348-357- Ly ASVYAWNE AnaSpec, In www.anaspe 34801 Camp Fremont, Ca Tel: 510-79 Email: servi Kaneka Eur Rue du Bois Tel. +32-4-3 Fax. +32-4-3 E-mail info Kaneka Eur Tel. +32-4-3 AS-65608 For laborato Please conta country or Epm)

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.	Com	position

Ingredients/Components:

Chemical Name: SARS-CoV-2 Spike RBD (receptor binding domain), 348-357-

Lys(Biotin-LC)

ASVYAWNRKR-K(Biotin-LC)-NH2

Molecular formula: NA Molecular weight: NA CAS-No NA EC-No NA

4. First Aid Measures

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.

5. Fire Fighting Meas	<u>ures</u>	Las	
Extinguishing media:		Water spray or fog. 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.	
Unusual fire and explosions hazards:		Emits toxic fumes under fire conditions	
6. Accidental Release	Measures		
		ll ignition sources.	
		all spills immediately.	
		atact with skin and eyes. Personal contact by using protective equipment.	
		ean up procedures and avoid generating dust.	
		suitable, labeled container for waste disposal	
		personal contact, including inhalation.	
	Wear prot	ective clothing when risk of exposure occurs.	
		Use in a well-ventilated area.	
		enter confined spaces until atmosphere has been checked.	
Avoid con When hand Keep conta		allow material to contact humans, exposed food or food utensils.	
		ntact with incompatible materials. dling, DO NOT eat, drink or smoke.	
		ainers securely sealed when not in use.	
		vsical damage to containers.	
	1 *	ash hands with soap and water after handling.	
		occupational work practice.	
		ntainers may contain residual dust which has the potential to accumulate settling. Such dusts may explode in the presence of an appropriate ignition	
	_		
	source.	cut, drill, grind or weld such containers	
PPE	source. Do NOT o	cut, drill, grind or weld such containers nal protective equipment	
PPE	source. Do NOT o		

8. Exposure Controls Engineering controls		ilation is required where solids are handled as powders or crystals;
Linguieering controls		ates are relatively large, a certain proportion will be powdered by
	mutual friction.	T I I I I I I I I I I I I I I I I I I I
	Exhaust ventilation	should be designed to prevent accumulation and re-circulation of
	particulates in the	
		exhaust an adverse concentration of the substance in air could occur, on should be considered. Such protection might consist of:
		spirators, if necessary, combined with an absorption cartridge;
		rs with absorption cartridge or canister of the right type;
	(c): fresh-air hoods	
		static charge on the dust particle, may be prevented by bonding and
	grounding.	the state of the s
		quipment such as dust collectors, dryers and mills may require on 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	
PPE	Use personal prote	
		•
9. Physical and Chemi	ical Properties	
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 Read	<u>etivity</u>	
Thermal Decomposition	n	No data available
Dangerous Products of	Decomposition	No data available
Dangerous Reactions		COx, NOx when burned
Keep container tightly	closed in a dry well-v	entilated place. Store in -20 °C, dry refrigerator.
11. Toxicological Info	rmation	
RTECS Number		N/A
T		NT - 1 - C

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
	L L

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.