Safety Data Sheet (SDS)

Revision Number: 3.0	Last updated 9 April 202	
1. Product and Company Identification		
Product Name:	Generic 3CLpro FRET peptide substrate <i>HiLyte™ Fluor 488 - ESA TLQ SGL RKA K(QXL520) - NH2</i>	
Manufacturer/Supplier:	AnaSpec, Inc. <u>www.anaspec.com</u> 34801 Campus Drive Fremont, CA 94555 Tel: 510-791-9560	
	Fax: 510-791-9572 Email: <u>service@anaspec.com</u>	
	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	
	Kaneka Eurogentec Helpdesk Tel. +32-4-3727665	
Catalog Number Relevant identified uses of the substance/preparation and uses advised against	AS-65599 For laboratory 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)	
<u>2. Hazards Identification</u> <i>Emergency Overview:</i> We do re		

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

GHS Hazard Classification:

GHS Physical Hazards:Not a dangerous substance according to the GHSGHS Health and Environmental Hazards:Not a dangerous 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

2	Composition	
<u>J.</u>	Composition	

Ingredients/Components:

Chemical Name:

Generic 3CLpro FRET peptide substrate HilpteIM Eluce 488 ESA TLO SCL RKA K(OXL520)

HiLyte™ Fluor 488 - ESA TLQ SGL RKA K(QXL520) - NH2

Molecular formula: NA Molecular weight: 2236.5 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.

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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.	Extinguishing media:		Water spray or fog.	
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Engineering controls	Local exhaust ventilation is required where solids are headled as newders or ervetals
Engineering controls	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
	particulates in the workplace.
	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.
	Powder handling equipment such as dust collectors, dryers and mills may require
	additional protection measures such as explosion venting.
	Air contaminants generated in the workplace possess varying "escape" velocities which,
	in turn, determine the "capture velocities" of fresh circulating air required to efficiently
	remove the contaminant.
PPE	Use personal protective equipment

9. Physical and Chemical Properties

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Physical State	Solid
Odour	Not available
Solubility in Water	Not available
Specific Gravity	Not available
pН	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 Reactivity

Thermal Decomposition	No data available
Dangerous Products of Decomposition	No data available
Dangerous Reactions	COx, NOx when burned

Keep container tightly closed in a dry well-ventilated place. Store in -20 °C, dry refrigerator.

11. Toxicological Information

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

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.