Safety Data Sheet (SDS)

Revision Number: 3.0		Last updated	March 7, 2021
1. Product and Company Iden	ntification		
Product Name:	Fmoc - Lys(I	Fmoc) – OH;	
	$N - \alpha, \varepsilon - di - Fmoc - L - lysine$		
Manufacturer/Supplier:	AnaSpec, Inc	D.	
	www.anaspec.com		
	34801 Campus Drive		
	Fremont, CA 94555		
	Tel: 510-791-9560		
	Fax: 510-791-9572		
	Email: service	ee@anaspec.com	
	Kaneka Euro	gentec SA,	
	Rue du Bois Saint Jean 5 4102 Seraing Belgium		
	Tel. +32-4-3727400		
	Fax. +32-4-3727500		
	E-mail info@eurogentec.com		
	Kaneka Euro	gentec Helpdesk	
	Tel. +32-4-3727665		
Catalog Number	AS-25072; A	AS-25073	

2. Hazards Identification

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

GHS Hazard Classification: Not a hazardous substance or mixture

GHS Physical Hazards: Not a hazardous substance or mixture

GHS Health and Environmental Hazards: Not a hazardous substance or mixture

GHS Signal Words: N/A

GHS Hazard Symbol/Pictogram: N/A

GHS Hazard Statements: N/A

GHS Precautionary Statements: N/A

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: Fmoc - Lys(Fmoc) – OH; N - α , ϵ - di - Fmoc - L – lysine

Molecular formula: C36H34N2O6

Molecular weight: 590.7 CAS-No 78081-87-5

EC-No N/A

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).		

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_	Seek medica	Soak modical attention in event of irritation		
Eyes:		Seek medical attention in event of irritation. If this product comes in contact with the eyes:		
Lyes.	-	· · · · · · · · · · · · · · · · · · ·		
		Wash out immediately with fresh running water. Ensure complete irrigation of the eye by keeping eyelids apart and away from eye and moving the		
			iting the upper and lower lids.	
			eek medical attention.	
	ii pain persis	ts of feedis s	cer medical attention.	
5. Fire Figh	nting Measures			
Extinguishin	g media:		Water spray or fog.	
2	o meaner		Alcohol resistant foam.	
			Dry chemical powder.	
			BCF (where regulations permit).	
			Carbon dioxide	
Special firefi	ighting procedure	?s:	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.	
			Equipment should be theroughly decontainmated after ase.	
Unusual fire and explosions hazards:		azards:	Emits toxic fumes under fire conditions	
6. Accident	al Release Meas			
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Spill respons		Remove all Clean up al Avoid conta Control per Use dry cle	I spills immediately. act with skin and eyes. rsonal contact by using protective equipment.	
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PPE	Use personal	protective equipment	
	Ose personal protective equipment		
7. Handling and Stora			
Store at 4 °C desiccate	ed and protected from	light. Store away from oxidizing agent.	
8. Exposure Controls	/ Personal Protectio	<u>on</u>	
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		
PPE	remove the contaminant. Use personal protective equipment		
PPE	Ose personal prote	cuve equipment	
9. Physical and Chemi	cal Properties		
Physical State	solid		
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		
	.4114		
10. Stability and Read		No data available	
Thermal Decomposition			
Dangerous Products of Decomposition		No data available	
Dangerous Reactions Keep container tightly of	closed in a dry well-v	COx, NOx when burned ventilated place. Store in 4°C 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.