Material Safety Data Sheet (MSDS)

Revision Number: 1.0	Last updated March 2
1) Product and Company Identifica	<u>ition</u>
Product Name:	HCV NS3/4A protease, Mutant A156S, A156T, A156V, D168A, D168V, R155K, V170A, V36M, T54A
Manufacturer/Supplier:	AnaSpec, Inc. www.anaspec.com 34801 Campus Drive Fremont, CA 94555 Tel: 510-791-9560 Fax: 510-791-9572 Email: service@anaspec.com
Catalog Number	72022, 72023, 72031, 72032, 72033, 72034, 72035, 72036, 72037
Unit Size	5ug, 10ug
2) Hazards Identification Emergency Overview: GHS Hazard Classification: GHS Physical Hazards	Skin irritation Eye irritation
GHS Health and Environmental Haza	H316 Causes mild skin irritation H320 Causes mild eye irritation
GHS Signal Words	Warning
GHS Hazard Statements: GHS Precautionary Statements:	None
онь и гесашонагу магететs.	P280 Wear Eye Protection
HMIS Classification Health hazard: 1 Flammability: 0 Physical hazards	
NFPA Rating Health hazard: 1 Fire: 0 Reactivity Hazard: 0	

3) Composi	tion / Informat	ion on Ingred	ients		
Ingradiants	Components:				
	Components. Chemical Name:			CAS Number:	
		rotogg Mut	ant A156S, A156T, A156V, D168A, D168V,	N/A	
	R155K, V170A			IV/A	
2	0mM phospha	te buffer and	20% glycerol	56-81-5	
4) First Aid	Measures				
Inhalation: Move subject to fresh as stopped. Get prompt medi			r. If breathing is difficult, give oxygen. Give art	ificial respiration if breathing ha	
Ingestion:			. If swallowed, wash out mouth with water if subject	is conscious. Immediately consul-	
Ü			nything by mouth to an unconscious person.	•	
Skin:			thing. Wash skin thoroughly with soap and water. C	onsult a physician.	
Eyes:	Immediatel	y flush eyes w	th large amount of water for at least 15 minutes. Co	nsult a physician.	
5) Fire Figh	nting Measures				
Extinguishing media:			Use water spray, alcohol-resistant foam, dry chemical or carbon dioxide.		
Special firefighting procedures:		res:	Wear self contained breathing apparatus if fire fighting is necessary.		
Unusual fire and explosions hazards:		hazards:	None		
6) Accident	al Release Mea	sures			
Spill respon	se	Soak up wi	th inert absorbent material.		
		None.			
PPE		Gloves, lab	coat, goggles.		
		<u> </u>			
7) Handling	g and Storage				
Store at –8	80 °C				
	e Controls / Per	canal Protoct	ion		
			<u> </u>		
Engineering PPE		one	and the cost when her directly and the William	a rials accomment about air.	
PPE	pu ty _l so	rifying respirate pe ABEK (EN le means of pro	oves and lab coat when handling this product. Wher tors are appropriate use a full-face respirator with multi-14387) respirator cartridges as a backup to engineer of otection, use a full-face supplied air respirator. Use reder appropriate government standards such as NIOS	ulti-purpose combination (US) or ing controls. If the respirator is the espirators and components tested	
9) Physical	and Chemical l	<u>Properties</u>			
Physical Sta	ite	Liquid			
Odor Not determine			ed		
Solubility in	Water	Soluble			
Specific Gro	ıvity	Not determine	ed		
рН		7.5			
Boiling Poir	it	Not determine	ed		

Melting Point	Not determined	
Flash Point	Not determined	
Vapor Pressure:	Not determined	
Vapor Density:	Not determined	

10) Stability and Reactivity

Thermal Decomposition	Stable under recommended storage conditions
Dangerous Products of Decomposition Formed Under Fire Conditions	Carbon oxides
Dangerous Reactions	No dangerous reactions known.

11) Toxicological Information

RTECS Number	Not listed.
Toxicity	Not identified
Health Hazards	May cause skin irritation.
	May cause eye irritation.
	May be harmful if inhaled.
	May be harmful if swallowed.
Potential Hazards	Not identified
Carcinogenicity:	Not listed by NTP, IARC, or OSHA
OSHA Permissible Exposure Limit (PEL) Data	Not identified
ACGIH Threshold Limit Values (TLV)	Not identified

12) Ecological Information

Do not allow product to reach ground water, watercourse, or sewage system.

13) Disposal Considerations

Consult local, state, or national regulations for proper disposal.

14) Transport Information

Hazard Class	This substance is considered to be non-hazardous for transport	
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15) Regulatory Information

California Proposition 65: Not Listed

US TSCA (Toxic Substance Control Act): Not Listed

US CERCLA (Comprehensive Environmental Response, Compensation, and Liability Act: Not Listed

US SARA Title III (Superfund Amendments and Reauthorization Act: Not Listed

US Other: Not listed

EC EINICS (European Inventory of Existing Commercial Chemical Substances) Number: Not Listed

EC Risk Statements: Not Determined

Other Country Regulations: Not Determined

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.