

Doc Name:	Material Safety Data Sheet (MSDS) for Taq Polymerase Enzyme (5U/µI)		
Doc No.	MSDS/HL/040	Ver No:00	Effective from: 02/11/23

1	Company	HLSS Manufacturing Pvt Ltd		
	identification	Plot No's M14, M15, M16, TSIIC Medical device park		
		Sulthanpur villiage, Ameenpur Mandal, Sangareddy Dist, TS-502319		
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		Email: info@huwellifesciences.com		
		http://www.huwellifesciences.in		
2	Product	neepi//www.newenieseie	incesiii.	
_	identification			
2.1	Name of the Product	: Taq Polymerase Enzyme (5U/µI)		
		, ,		
2.2	Product Code	: HL-Taq-50 HL-Taq-100 HL-Taq-200		
2.3	Pack size (No. of	: 250 Units, 500 Units, 10	000 Units	
	rxns)	·		
2.4	Intended use:	Taq Polymerase Enzym	e is a temperature-resistant DNA-dependent	
		polymerase used for the	e amplification of DNA using Polymerase chain	
		reaction (PCR). It is a	thermostable DNA polymerase that has $5' \rightarrow 3'$	
		polymerase and exonuclease activity but lacks $3' \rightarrow 5'$ exonuclease		
		(proofreading) activity. The enzyme is ideal for gene amplifications up to		
		3kb.		
2.5	Composition/	ation on Chloride (500µl) and 10X Taq buffer with MgCl <sub>2</sub> (1mL).		
	Information on			
	reagents:			
		<u>Note</u> : This product is for research use only. This product must be used		
		by scientists/ laboratory technicians with strong knowledge on molecular		
		biology as per Good Laboratory practice (GLP) and product insert/		
		instruction manual.		
3	Hazards	Significant health effects are not anticipated from routine use of this kit		
	identification		utions listed within this MSDS and the kit specific	
		package insert. None of the components listed within this kit are		
		considered hazardous as defined by the Occupational Safety and Health		
		Administration (OSHA).		
		OSHA Hazards	: No Known OSHA Hazards	
		Inhalation	: No information available.	
		Ingestion	: May be harmful.	
		Skin Contact	: No information available.	
4	Final Aid M.	Eye Contact	: May cause irritation.	
4	First-Aid Measures	For all incidents, a medical exam is desirable		
		Inhalation : Move to fresh air area.		
		Ingestion : Rinse mouth, seek medical advice if immediate vomiting		
		Skin Contact : Wash copiously with water and soap.		

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		Eye Contact : Flush eyes copiously with water and seek medical advice	
5	Fire-fighting Measures  Extinguishing media: Use any mean suitable to extinguish the surrounding fire  CAUTION: Use of water spray when fighting fire may be inefficien  Un-extinguishing media: No information available  Special hazards of product: No information available  Protective equipment For fire fighting: Carry an autonomous res		
		protection apparatus and appropriate protection clothes	
6	Accidental release Measures	Individual Precaution: Use an individual protection equipment Environmental Precaution: If incident, let flow run copiously Method of cleaning: Clean with an inert absorbent	
7	Handling and storage	No specific recommendation is requested. Always store in frozen condition, Observe all conditions described in the user manual and on the labels. As with all chemical and biological substances, avoid getting the components within this kit spilled on you or into your body. Do not eat or drink while using this kit. This kit should be handled only by qualified clinical or laboratory employees trained on the use of this kit and who are familiar with the potential hazards. Universal precautions to be followed when handling and working with this kit.	
8	Exposure controls		
8.1	Exposure limits	: No information available	
9	Personnel Protection	Respiratory protection: No information available Hands protection: Wear water-proof gloves Eyes protection: Use chemical safety goggles Skin protection: Wear lab coat Hygiene measures: Follow good laboratory hygiene practices and security Instructions	
10	Physical and Chemical properties		
10.1	Physical state	: Liquid Chemical, physical, and toxicological properties have not been thoroughly investigated	
11	Stability and reactivity	Stability: Stable under conditions described in the Product insert Materials to avoid: No information available Hazardous decomposition Products: No information available	
12	Toxicological information	Potential effects on health  Eyes : No information available Skin : No information available Inhalation : No information available	

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		Ingestion	: No information available
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		Special Effects	
		Carcinogen	: No information available
		Mutagen	: No information available
		Toxicity for reproduction	: No information available
		Sensitization	: No information available
13	Ecological	Mobility	: No information available
	information	Persistence/degradation	: Intrinsically biodegradable
		Bioaccumulation	: No information available
		Aquatic Toxicity	: No information available
		Disposal Considerations & requirements : Dispose in accordance with	
		state and local regulations	
14	Transportation	The product is not dangerous. Follow IATA regulations	
	information		
15	Regulatory	No information available	
	information		
16	Other Information	HLSS Manufacturing Pvt Ltd assumes no liability for damages resulting from handling or being in contact with this product. Customer is solely responsible for improper usage of this product other than for what this product is designed to use. The kit and its components may present unknown hazards and should be used with caution. Improper use and/or inappropriate combination with other products and substances may produce harmful results.	
	-End-		