

Doc Name:	Material Safety Data Sheet (MSDS) for QuickStart Taq Polymerase Enzyme (5U/μl)		
Doc No.	MSDS/HL/042	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 Emergency Contact Tel: +91-08413-232256/	
		+91 9052226226	
		Email: info@huwellifesciences.com	
2	Product	http://www.huwellifesciences.in	
_	identification		
2.1	Name of the Product	: QuickStart Taq Polymerase Enzyme (5U/µl)	
2.2	Product Code	: HL-QSTaq-50 HL-QSTaq-100 HL-QSTaq-200	
2.3	Pack size (No. of rxns)	: 250 Units, 500 Units, 1000 Units	
2.4	Intended use:	QuickStart Taq Polymerase Enzyme is activated within 30 seconds and helps in avoiding non-specific amplification. QuickStart Taq Polymerase consists of Taq DNA Polymerase and an inhibitor such that the activity is inhibited at room temperature. The active site of QuickStart Taq Polymerase is blocked by an inhibitor which only gets released at higher temperatures. The enzyme ensures higher specificity and yield, hence can be confidently used for faster lab applications. The product enables the setting up of real-time and endpoint PCRs at ambient temperature condition.	
2.5	Composition/	The product contains QuickStart Taq Polymerase Enzyme (5U/µl) and 10X	
	Information on reagents:	Taq buffer with MgCl₂(1mL).	
		Note : 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	when following the precautions 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 Haza	rds
		Inhalation : No information availab	le.
		Ingestion : May be harmful.	
		Skin Contact : No information availab	ile.
		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 immediat	e vomiting

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		Chin Contact . Wash conjough, with water and con		
		Skin Contact : Wash copiously with water and soap.		
		Eye Contact : Flush eyes copiously with water and seek medical advice		
5	Fire fighting	Extinguishing modia: Use any mean suitable to extinguish the		
5	Fire-fighting Measures	Extinguishing media: Use any mean suitable to extinguish the		
	Measures	surrounding fire		
		CAUTION: Use of water spray when fighting fire may be inefficient.		
		Un-extinguishing media : No information available		
		Special hazards of product: No information available		
		Protective equipment For fire fighting: Carry an autonomous respiratory		
		protection apparatus and appropriate protection clothes		
6	Accidental release	Individual Precaution: Use an individual protection equipment		
	Measures	Environmental Precaution: If incident, let flow run copiously		
		Method of cleaning: Clean with an inert absorbent		
7	Handling and	No specific recommendation is requested. Always store in frozen condition,		
	storage	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	Exposure controls			
8.1	Exposure limits	: No information available		
0.1				
9	Personnel	Respiratory protection: No information available		
	Protection	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		
4.5	<u> </u>			
10	Physical and			
	Chemical			
101	properties			
10.1	Physical state	: Liquid		
		Chemical, physical, and toxicological properties have not been thoroughly		
	<u> </u>	investigated		
11	Stability and	Stability: Stable under conditions described in the Product insert		
	reactivity	Materials to avoid: No information available		
	· cactivity	Hazardous decomposition Products: No information available		
	-	·		
12	Toxicological	Potential effects on health		
12	-	Potential effects on health Eyes : No information available		
12	Toxicological	Potential effects on health		

Caution

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		Ingestion	: No information available
		11190001011	The information available
		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-		