



Material Safety Data Sheet (MSDS)

1. Chemical and enterprise identification				
Product name	DH5 α chemocompetent cell			
Product item number	C502			
Manufacturer	Nanjing Nuowezan Biotechnology Co., Ltd.			
Address	Building C1-2, Hongfeng Science Park, Kechuang Road, Nanjing Economic and Technological Development Zone			
Contact information	400-600-9335			
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Mailbox	sales@vazyme.com (Sales Consulting) support@vazyme.com (Technical Support) marketing@vazyme.com (Marketing)			
2. Hazard overview				
Hazard category				
Health hazard	May cause eye and skin irritation. May cause irritation of the respiratory tract and digestive tract.			
Main symptoms				
Environmental hazards	Unknown			
Physical and chemical hazards	Unknown			
Special hazards	Unknown			
3. Ingredient/composition information				
Material ____ Preparation ____				
Component name	Main ingredients	Chemical abstract registry number	Percentage%	EC number
DH5 α Competent cell	Glycerol	56-81-5		
	DMSO	847778-77-2		
	CaCl ₂	10043-52-4		
4. First aid measures				
Inhalation	If irritation is caused by inhalation, remove to fresh air and wait for recovery. If irritation persists, seek immediate medical attention.			
Intake	Trigger vomiting. If discomfort continues, seek immediate medical attention			
Skin contact	Wash immediately with clean water.			
Eye contact	Rinse eyes with clean water for more than 15 minutes. If necessary, seek medical advice immediately.			
Protection of first aid personnel	Unknown			
Remarks to the doctor	Unknown			

5. Fire protection measures			
Extinguishing agent	Suitable extinguishing agent	Water Spray, Carbon Dioxide (CO ₂), Foam, Dry Chemical Powder	
	Improper extinguishing agent		
Special exposure hazards			
Hazardous combustion products			
Advice to Firemen			
6. Emergency treatment of leakage			
Personal precautions		Avoid contact with substances	
Environmental Precautions		Do not discharge directly into the sewer/no special environmental prevention requirements.	
Massive leak			
A small leak		Sweep, bag, and leave for waste disposal. After the material has been picked up, ventilate the area and clean the leak point.	
7. Handling and storage			
Operation and disposal		Wear protective equipment to avoid contact with eyes and skin. Pay attention to ventilation and local exhaust system when handling.	
Storage		Store in the sample tube. Store at about -20 ° C.	
Packaging materials			
8. Exposure Control/Personal Protection			
Control parameters	Exposure limits		
	Biological limit		
Engineering control		Provide a good ventilation and exhaust system in the work area.	
Respiratory system protection		Put on a gas mask.	
Hand protection		Chemical safety gloves.	
Eye protection		Chemical safety goggles.	
Skin protection		Long sleeves to prevent contact with skin.	
Sanitary measures			
Environmental exposure control			
9. Physical and chemical properties			
Physical state	Liquid	Shape	
Color	Colorless	Smell	None
pH		Boiling point/boiling ran	No data available
Decomposition temperature	No data available	Ignition point	No data available
Autoignition temperature		Explosive	
Vapor pressure		Relative density	
Relative density		Solubility	No data available
Oxidizing		Distribution Coefficient	
Other properties			

10. Stability and reactivity		
Stability	Stable under normal operating and storage conditions	
Conditions to be avoided	Unknown	
Materials to be avoided	Strong acids, bases and oxidants	
Hazardous decomposition products	Unknown	
11. Toxicological data		
Acute toxicity	Inhalation	Unknown
	Intake	Unknown
	Skin contact	Unknown
	Eye contact	Unknown
	LD50	Unknown
	LC50	Unknown
Sensitization		Unknown
Potential Chronic Health Effects Chronic Toxicity		Unknown
Carcinogenicity		
Mutagenicity		Unknown
Teratogenicity		Unknown
Reproductive toxicity		Unknown
Local influence		Unknown
Specific influence		May cause eye and skin irritation. May cause irritation of the respiratory tract and digestive tract.
12. Ecological data		
Environmental impact	Unknown	
Aquatic ecotoxicity	Unknown	
Biodegradability	Unknown	
Other adverse effects	Unknown	
13. Waste disposal		
Waste disposal method	Refer to relevant national and local laws and regulations before disposal.	
Hazardous waste;	Unknown	
14. Transportation information		
United Nations Dangerous Goods Number (UN Number)	Uncategorized	
Classification		
Packing		
Label		
Transportation mode and matters needing attention		
Other information	Comply with respective laws and regulations. Handle carefully to prevent the package from breaking.	

15. Regulatory information	
Regulations	Comply with all laws and regulations of the country.
Other warnings	
16. Other information	
References	
Preparation department	
Date of issue	2022.10.10
Version	1.0
Change what is different from previous version	
Other information	