Safety Data Sheet

ChemStart DNA Polymerase

Section 1 Product Description

Product name:	ChemStart DNA Polymerase
Product number:	AZ-1405, AZ-1410, AZ-1450
Components:	ChemStart DNA Polymerase 5x Reaction buffer
Recommended use:	Life science applications, research and development use only
Supplier of SDS:	Azura Genomics 44 Commercial St. Unit 1 Raynham, MA 02767 888-333-3895
Chemical Information:	888-333-3895
Emergency:	888-333-3895

Section 2 Hazard Identification

GHS Classification:	Not a hazardous substance or mixture
Health hazards	Product contains no substances considered to be hazardous to health at their given concentrations
Physical hazards	Not hazardous
Precautionary Statements	May cause eye and skin irritation in susceptible persons. Use appropriate protective gear.

Section 3 Composition/Information on Ingredients

This product contains no substances that are known to be hazardous at their given concentrations. As with all chemicals, handle with caution and use appropriate protective clothing.

Hazardous Ingredients

Name	CAS	EINECS	Content (% w/v)
Glycerol	56-81-5	200-289-5	2.5%

Section 4 First Aid Measures

Emergency First Aid Procedures

Inhalation:	If inhaled, move person to fresh air.
Eye contact:	In case of eye contact, immediately flush eyes and under eyelids with plenty of water for at least 15 minutes. Seek medical advice if necessary.
Dermal exposure:	In case of contact, wash immediately with soap and water. If symptoms occur, seek medical advice.
Ingestion:	Rinse mouth with water. If large amounts are ingested, drink plenty of water and get medical attention.

Section 5 Firefighting Measures

Extinguishing media:	Dry chemical
Firefighter advice:	Wear full protective equipment, self contained breathing apparatus
Fire/explosion Hazards:	None

Section 6 Spill or Leak Procedures

Steps to take:	Exercise appropriate precautions to minimize direct contact with skin or eyes. Prevent inhalation of vapors. Wear disposable coveralls and discard after use. Soak up with inert absorbing materials and place in a closed container for disposal. Ventilate area and wash spill site after material pickup is complete.

Section 7 Handling and Storage

Handling:	Always wear recommended personal protective equipment. Avoid contact with skin and eyes. As with all laboratory reagents, observe good industrial hygiene practices.
Storage:	Store closed in original container. Refer to product insert for appropriate storage temperatures. Do not store near food or drink.

Section 8 Exposure and/or Personal Protection

Control parameters:	As supplied, contains no substances with occupational exposure limits.
Engineering measures:	Ensure adequate ventilation, especially in confined areas.
Personal protective equipment:	Eye/face - Wear compatible safety goggles. Hands - Wear chemical resistant gloves. Inspect before use, dispose of after use. Body - Wear lightweight protective clothing, such as a lab coat. Respiratory - Wear suitable respiratory equipment if ventilation is insufficient.
Hygiene measures:	Handle in accordance with good industrial hygiene and safety practice.

Section 9 Physical and Chemical Properties

Appearance	Clear liquid	Vapor pressure	No data
Odor	None	Vapor density	No data
Odor threshold	No data	Relative density	No data
pH	8.0	Water solubility	No data
Melting/freezing point:	-25°C	Log Pow	No data
Boiling point	No data	Auto ignition temp	No data
Flash point	No data	Decomposition temp	No data
Evaporation rate	No data	Viscosity	No data
Flammability	No data	Explosive properties	No data
Flammability limits	No data	Oxidizing properties	No data

Section 10 Reactivity Data

Reactivity:	No data available
Stability:	Stable under normal conditions
Materials to avoid:	Oxidizing agents, alkenes
Conditions to avoid:	Heat
Decomposition products:	No decomposition if stored and used as directed

Section 11 Toxicity Data

Acute Toxicity:

Glycerol (56-81-5)	Oral LD 50=12,000mg/kg rat, Dermal LD 50 - 10,000mg/kg rabbit, Inhalation Vapor LD50 = no data available, Inhalation Dust/Mist LD50 = no data, Inhalation Gas, LD50 ppm = no data
Methane, sulfinylbis (67-68-5)	Oral LD50 = 14,500 mg/kg rat, Skin LD50 = 5,000 mg/kg Rabbit, Inhalation Vapor LD50 = no data available, Inhalation Dust/Mist LD50 = no data, Inhalation Gas, LD50 ppm = 40,250 rat

Routes of entry:

Eye and skin	May cause mild irritation
Inhalation	May cause mild irritation
Ingestions	May cause mild irritation

Carcinogenic effects:	None
Mutagenic effects:	None
Reproductive toxicity:	No information available
Sensitization:	No information available

Section 12 Ecological Data

Ecotoxicity effects:	No information available
Mobility:	No information available
Biodegradation:	No information available
Bioaccumulation:	No information available

Section 13 Disposal Considerations

Keep out of drains, sewers and waterways. Dispose of waste and residues in accordance with local safety regulations.

Section 14 Transport Information

DOT US)	Not regulated
IMDG	Not regulated
IATA	Not regulated

Section 15 Regulatory Information

US Federal Regulations

CWA (Clean Water Act)	Product does not contain any regulated substances

US State Regulations

CA Prop 65	Contains no listed chemicals

Canadian Regulations

This product has been classified in accordance with the hazard criteria of the Controlled Products Regulations (CPR) and the SDS contains all the information required by CPR.

Section 16 Other Information

For R&D use only. Not for drug, household or other uses.

The above information is believed to be correct but does not purport to be all inclusive and shall be used only as a guide. The information in this document is based on the present state of our knowledge and is applicable to the product with regard to the appropriate safety precautions. It does not represent any guarantee of the properties of this product.

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