## **Material Safety Data Sheet**

Section 1: Chemical Product Company Identification	
Product Name	Cyclo(-Ala-Gln)
CAS No.	268221-76-7
Identified uses	Pharmaceutical Reference Standard
Details of the Supplier Company	SynZeal Research Pvt Ltd Plot No. F, Ganesh Industrial Estate 423/24/8, MahagujaratInd Estate Sarkhej-Bavla Road, Ahmedabad-382 213. Gujarat, India.
Telephone	+91-7969225400

Section 2: Chemical Information	
Chemical Name	3-((2S,5S)-5-Methyl-3,6-Dioxopiperazin-2-yl)Propanamide
CAS No.	268221-76-7
Molecular Weight	199.2
Molecular Formula	C8H13N3O3

Section 3: Hazards Identification		
Emergency Overview:		
Appearance	White Solid	
Target Organs	NA	
Potential Health Effects:		
Eye	NIL	
Skin	NIL	
Ingestion	NIL	
Inhalation	NIL	
Chronic	NIL	

Section 4: First Aid Measures	
Еуе	Wash with plenty of water
Skin	Wash with plenty of water

Ingestion Medical assistance for gastric lawage. Inhalation Remove to fresh air, artificial respiration or oxygen if necessary.  Notes to Physician Cyclof-Ala-Gin] can be washed with plenty of water in case of any exposure  Section 5: Firefighting Measures  Extinguishing Media Carbon dioxide, dry chemical powder, foam, water.  Unusual Fire and Explosion Hazards None indicated  ***  ***  ***  ***  ***  ***  **  **				
Notes to Physician  Cyclof-Ala-Gin) can be washed with plenty of water in case of any exposure  Section 5: Firefighting Measures  Extinguishing Media  Carbon dioxide, dry chemical powder, foam, water.  Unusual Fire and Explosion Hazards  None indicated  Section 6: Accidental Release Measures  Personal Precautions  Wear self-contained breathing apparatus, avoid dust formation.  Spilis/Leaks  Wear surgical gloves  Section 7: Handlings and Storage  Handling  Wear surgical gloves  Can be stored at room temperature  Section 8: Exposure Controls, Personal Protection  Respiratory Protection  Self-contained breathing apparatus  Exposure Limits  NA  Exp Protective Equipment  Wear safety goggles  Other Protective Equipment  Protective Equipment  Protective Equipment  Section 9: Physical and Chemical Properties  Section 9: Physical and Chemical Properties  Melting Point  NA  PH  Basic  Vapor Pressure  NA  Vapor Density  NA  Exporation Rate  NA  Exporation Rate	Ingestion	Medical assistance for gastric lavage.		
Section 5: Firefighting Measures  Extinguishing Media Carbon dioxide, dry chemical powder, foam, water.  Unusual Fire and Explosion Hazards None indicated  Section 6: Accidental Release Measures  Personal Precautions Wear self-contained breathing apparatus, avoid dust formation.  Spills/Leaks Wash with plenty of water, provide adequate ventilation.  Section 7: Handlings and Storage  Handling Wear surpical gloves  Section 8: Exposure Controls, Personal Protection  Respiratory Protection Self-contained breathing apparatus  Exposure Controls, Personal Protection  Respiratory Protection Wear safety gogsles  Other Protective Equipment Protection  Self-contained breathing apparatus  Exposure Limits NA  Eye Protection Wear safety gogsles  Other Protective Equipment Protection  Ciotton  Clothing Cotton  Clothing Cotton  Odor Odor less  Melting Point NA  PH  Basic  Vapor Pressure  NA  Vapor Density  NA  Eyaporation Rate  NA  Exporation Rate	Inhalation	Remove to fresh air, artificial respiration or oxygen if necessary.		
Extinguishing Media Carbon dioxide, dry chemical powder, foam, water.  Unusual Fire and Explosion Hazards None indicated  Section 6: Accidental Release Measures  Personal Precautions Wear self-contained breathing apparatus, avoid dust formation.  Spills/Leaks Wash with plenty of water, provide adequate ventilation.  Section 7: Handlings and Storage  Handling Wear surgical gloves  Storage Can be stored at room temperature  Section 8: Exposure Controls, Personal Protection  Respiratory Protection Self-contained breathing apparatus  Exposure Limits NA  Eye Protection Wear safety goggles  Other Protective Equipment Protective Equipment Protective Equipment Cotton  Section 9: Physical and Chemical Properties  Appearance White Solid  Odor Odor less  Melting Point NA  PH Basic  Vapor Pressure NA  Evaporation Rate  NA  Evaporation Rate  NA  Evaporation Rate	Notes to Physician			
Unusual Fire and Explosion Hazards  Section 6: Accidental Release Measures  Personal Precautions  Wear self-contained breathing apparatus, avoid dust formation.  Spills/Leaks  Wash with plenty of water, provide adequate ventilation.  Section 7: Handlings and Storage  Handling  Wear surgical gloves  Storage  Can be stored at room temperature  Section 8: Exposure Controls, Personal Protection  Respiratory Protection  Self-contained breathing apparatus  NA  Eye Protection  Wear safety goggles  Other Protective Equipment  Protective Equipment  Protective Equipment  Skin  Full sleeves apron  Clothing  Cotton  Section 9: Physical and Chemical Properties  Appearance  White Solid  Odor  Odor less  Melting Point  NA  PH  Basic  Vapor Pressure  NA  Exporation Rate  NA  Exporation Rate	Section 5: Firefighting Measures			
Section 6: Accidental Release Measures  Personal Precautions  Wear self-contained breathing apparatus, avoid dust formation.  Spills/Leaks  Wash with plenty of water, provide adequate ventilation.  Section 7: Handlings and Storage  Handling  Wear surgical gloves  Storage  Can be stored at room temperature  Section 8: Exposure Controls, Personal Protection  Respiratory Protection  Self-contained breathing apparatus  NA  Eye Protection  Wear safety goegles  Other Protective Equipment  Protective clothing  Skin  Full sleeves apron  Clothing  Cotton  Section 9: Physical and Chemical Properties  Appearance  White Solid  Odor  Odor less  Melting Point  NA  PH  Basic  Vapor Pressure  NA  Eyaporation Rate  NA  Evaporation Rate	Extinguishing Media	Carbon dioxide, dry chemical powder, foam, water.		
Personal Precautions  Wear self-contained breathing apparatus, avoid dust formation.  Spills/Leaks  Wash with plenty of water, provide adequate ventilation.  Section 7: Handlings and Storage  Handling  Wear surgical gloves  Storage  Can be stored at room temperature  Section 9: Exposure Controls, Personal Protection  Respiratory Protection  Self-contained breathing apparatus  NA  Eye Protection  Wear safety goggles  Other Protective Equipment  Protective clothing  Skin  Full sleeves apron  Clothing  Cotton  Section 9: Physical and Chemical Properties  Appearance  White Solid  Odor  Odor less  Melting Point  NA  pH  Basic  Vapor Pressure  NA  Vapor Density  NA  Even Protection Rate  NA  NA  Even Protessure  NA  NA  NA  Even Protessure  NA  NA  Even Protessure  NA  NA  NA  Even Protessure  NA  NA  NA  Even Protessure  NA  NA  Even Protessure  NA  NA  NA  Even Protessure  NA  NA  Even Protessure  NA  NA  Even Protessure  NA  NA  NA  Even Protessure  NA  NA  Even Protessure  NA  NA  Even Protessure  NA  NA  NA  Even Protessure  NA  Even Protessure  NA  NA  Even Protessure  NA  Even Protessure	Unusual Fire and Explosion Hazards	None indicated		
Spills/Leaks Wash with plenty of water, provide adequate ventilation.  Section 7: Handlings and Storage  Handling Wear surgical gloves Storage Can be stored at room temperature  Section 8: Exposure Controls, Personal Protection  Respiratory Protection Self-contained breathing apparatus Exposure Limits NA Eye Protection Wear safety goggles Other Protective Equipment Protective Equipment Protective Interpretative Cotton  Section 9: Physical and Chemical Properties  Appearance White Solid Odor Odor less Melting Point NA PH Basic Vapor Pressure NA Vapor Density NA Evaporation Rate NA NA	Section 6: Accidental Release Measures			
Section 7: Handlings and Storage  Handling  Wear surgical gloves  Storage  Can be stored at room temperature  Section 8: Exposure Controls, Personal Protection  Respiratory Protection  Exposure Limits  NA  Eye Protection  Wear safety goggles  Other Protective Equipment  Protective clothing  Skin  Full sleeves apron  Clothing  Cotton  Section 9: Physical and Chemical Properties  Appearance  White Solid  Odor  Odor less  Melting Point  NA  pH  Basic  Vapor Pressure  NA  Vapor Density  NA  Evaporation Rate  NA  NA  Evaporation Rate	Personal Precautions	Wear self-contained breathing apparatus, avoid dust formation.		
Handling Wear surgical gloves  Storage Can be stored at room temperature  Section 8: Exposure Controls, Personal Protection  Respiratory Protection Self-contained breathing apparatus  Exposure Limits NA  Eye Protection Wear safety goggles  Other Protective Equipment Protective Equipment Protective Coltning  Skin Full sleeves apron  Clothing Cotton  Section 9: Physical and Chemical Properties  Appearance White Solid  Odor Odor less  Melting Point NA  pH Basic  Vapor Pressure NA  Vapor Density NA  Evaporation Rate NA	Spills/Leaks	Wash with plenty of water, provide adequate ventilation.		
Section 8: Exposure Controls, Personal Protection  Respiratory Protection  Exposure Limits  NA  Eye Protection  Wear safety goggles  Other Protective Equipment  Protective Equipment  Protective Equipment  Section 9: Physical and Chemical Properties  Appearance  White Solid  Odor  Odor less  Melting Point  NA  PH  Basic  Vapor Pressure  NA  Vapor Density  Evaporation Rate  Can be stored at room temperature  Can be stored at room temperature  Can be stored at room temperature  Self-contained breathing apparatus  NA  Wear safety goggles  Cotton  Wear safety goggles  Odor  Wear safety goggles  Odorless  Full sleeves apron  Odorless  White Solid  Odor less  Melting Point  NA  NA  NA  Vapor Density  NA	Section 7: Handlings and Storage			
Section 8: Exposure Controls, Personal Protection  Respiratory Protection  Exposure Limits  NA  Eye Protection  Wear safety goggles  Other Protective Equipment  Protective clothing  Skin  Full sleeves apron  Clothing  Cotton  Section 9: Physical and Chemical Properties  Appearance  White Solid  Odor  Odor less  Melting Point  PH  Basic  Vapor Pressure  NA  Vapor Density  NA  Evaporation Rate  NA  NA  Section 9: NA	Handling	Wear surgical gloves		
Respiratory Protection  Exposure Limits  NA  Eye Protection  Wear safety goggles  Other Protective Equipment  Skin  Full sleeves apron  Clothing  Cotton  Section 9: Physical and Chemical Properties  Appearance  Melting Point  NA  Melting Point  NA  Pasic  Vapor Pressure  NA  Vapor Density  Evaporation Rate  Self-contained breathing apparatus  NA  Self-contained breathing apparatus  NA  Self-contained breathing apparatus  NA  Wear safety goggles  NA  Wear safety goggles  Vear safety goggles  Vear safety goggles  Vear safety goggles  Vall sleeves apron  Cotton  Odor  Odor  Odor less  NA  NA  NA	Storage	Can be stored at room temperature		
Exposure Limits NA  Eye Protection Wear safety goggles  Other Protective Equipment Protective Equipment Full sleeves apron  Clothing Cotton  Section 9: Physical and Chemical Properties  Appearance White Solid  Odor Odor less  Melting Point NA  pH Basic  Vapor Pressure NA  Vapor Density NA  Evaporation Rate NA	Section 8: Exposure Controls, Personal Protection			
Eye Protection Wear safety goggles  Other Protective Equipment Protective Equipment Full sleeves apron  Clothing Cotton  Section 9: Physical and Chemical Properties  Appearance White Solid  Odor Odor less  Melting Point NA  pH Basic  Vapor Pressure NA  Vapor Density NA  Evaporation Rate Na  Protective clothing  Full sleeves apron  Cotton  Author  Full sleeves apron  Odor  Odor  Odor  NA  NA  NA  NA  NA  NA  NA  NA  NA  N	Respiratory Protection	Self-contained breathing apparatus		
Other Protective Equipment  Skin Full sleeves apron Clothing Cotton  Section 9: Physical and Chemical Properties  Appearance Odor Odor less Melting Point PH Basic Vapor Pressure NA Vapor Density NA Evaporation Rate  Protective clothing Full sleeves apron  Cutton	Exposure Limits	NA		
Skin Full sleeves apron  Clothing Cotton  Section 9: Physical and Chemical Properties  Appearance White Solid  Odor Odor less  Melting Point NA  pH Basic  Vapor Pressure NA  Vapor Density NA  Evaporation Rate NA	Eye Protection	Wear safety goggles		
Clothing Cotton  Section 9: Physical and Chemical Properties  Appearance White Solid  Odor Odor less  Melting Point NA  pH Basic  Vapor Pressure NA  Vapor Density NA  Evaporation Rate NA	Other Protective Equipment	Protective clothing		
Section 9: Physical and Chemical Properties  Appearance White Solid  Odor Odor less  Melting Point NA  PH Basic  Vapor Pressure NA  Vapor Density NA  Evaporation Rate NA	Skin	Full sleeves apron		
Appearance White Solid Odor Odor less Melting Point NA  pH Basic Vapor Pressure NA Vapor Density NA  Evaporation Rate NA	Clothing	Cotton		
Odor Odor less  Melting Point NA  pH Basic  Vapor Pressure NA  Vapor Density NA  Evaporation Rate NA	Section 9: Physical and Chemical Properties			
Melting Point NA  pH Basic  Vapor Pressure NA  Vapor Density NA  Evaporation Rate NA	Appearance	White Solid		
pH Basic Vapor Pressure NA Vapor Density NA Evaporation Rate NA	Odor	Odor less		
Vapor Pressure NA Vapor Density NA Evaporation Rate NA	Melting Point	NA		
Vapor Density NA  Evaporation Rate NA	рН	Basic		
Evaporation Rate NA	Vapor Pressure	NA		
	Vapor Density	NA		
Viscosity	Evaporation Rate	NA		
	Viscosity	NA		

Boiling Point	NA
Decomposition Temp	NA
Auto ignition Temp.	NA
Flash Point	NA
NFPA Rating	NA
Explosion Limits	
Lower	NA
Upper	NA
Solubility	Chloroform, Methanol
Specific Gravity/Density	NA

Section 10: Stability and Reactivity		
Chemical Stability Stable		
Conditions to avoid	Direct contract to skin	
Incompatibilities with other Materials	Keep away	
Hazardous Decomposition Products	NIL	
Hazardous Polymerization	NIL	

Section 11: Toxicological Information		
CAS	NA	
LD50/LC50	NA	
Carcinogenicity	NIL	
Epidemiology	NIL	
Teratogenicity	NIL	
Reproductive Effects	NIL	
Neurotoxicity	NIL	
Mutagencity	NIL	
Other Studies	NA	

Section 12: Ecological Information	
Data not available	

RCRA P-Series	Can be incinerated
RCRA U-Series	NA

Section 14: Transport Consideration

**UN-Number** 

ADR/RID: IMDG: IATA:

UN proper shipping name

ADR/RID: Not dangerous goods IMDG: Not dangerous goods IATA: Not dangerous goods

Transport hazard class(es)

ADR/RID: IMDG: IATA:

**Packaging Group** 

ADR/RID: IMDG: IATA:

**Environmental hazards** 

ADR/RID: No IMDG Marine pollutant: No IATA: No

Special precautions for users

**Further information** 

Section	15:	Regulator	v Inforn	nation
Section	TJ.	regulator	y 1111011	nation

TSCA	Attached the letter
Health and Safety Reporting List	No data available
Chemical Test Rules	Chemical analysis report is attached

## Section 16: Additional Information

 $This \ product \ is \ not \ bioactive, \ non-radio active. \ It \ is \ for \ R/D \ use \ only. \ Not \ for \ drug, \ household \ or \ other \ uses.$ 

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. It does not represent any guarantee of the product.