

SAFETY DATA SHEET

Revision Date:	2021/10/01	Version:	2.0
1, Identification of the substance / mixture and of the company/undertaking			
Identification of the substance /preparation			
Product Name:	Artificial serum (Xeno-free)		
Product No.	A2G10P2CC		
For research use only. Not intended for human or animal diagnostic therapeutic uses.			
Company / Undertaking Identification			
Manufacturer:	Cell Science & Technology Institute inc. (CSTI)		
Address:	1-16-16 Seikaen , Aoba-ku Sendai, 982-0262 Japan		
Telephone:	TEL : +81-22-399-6608 FAX : +81-22-399-6638		
2, Hazard identification			
GHS Classification:	No classification		
Classification of the substance or mixture :	Not a hazardous substance or mixture.		
Health hazard:	Not hazardous.		
Physical hazards:	Not hazardous.		
Principle Rutes of Exposure/Potential Health effects			
Eyes:	May cause eye irritation with susceptible persons.		
Skin:	May cause skin irritation in susceptible persons.		
Ingalation:	May be harmful by inhalation.		
Ingestion:	May be harmful if swallowed.		
Other hazards:	None.		
3, Composition / information on ingredients			
Mixtures :	No components need to be disclosed according to the applicable regulations.		
4, First-aid measures			
If inhaled:	If breathed in, move person into fresh air.		
Skin contact:	Rinse with plenty of water. If symptoms arise, call a physician.		
Eye contact:	Rinse immediately with plenty of water, also under the eyelids, for at least 15 minutes. If symptoms arise, call a physician.		
Ingestion:	Never give anything by mouth to an unconscious person. Rinse mouth with water.		
Notes to physician:	Treat symptomatically.		
5, Fire-fighting measures			
Suitable extinguishing media:	Use water spray, alcohol-resistant foam, dry chemical or carbon dioxide.		
Unsuitable extinguishing media:	No data available.		
Special hazards arising from the substance or mixture:	No data available.		
Advice for firefighters:	Wear self contained breathing apparatus for fire fighting if necessary.		

6, Accidental release measures	
Personal precautions, protective equipment and emergency procedures:	Wear protective glasses, protective gloves.
Environmental precautions:	Do not let product enter drains.
Methods and materials for containment and cleaning up:	Soak up with inert absorbent material.
7, Handling and storage	
Handling:	Avoid contact with skin, eyes and clothing. Wear personal protective equipment.
Storage:	Store in cool place. Keep container tightly closed in a dry and well-ventilated place. Containers which are opened must be carefully resealed and kept upright to prevent leakage. Recommended storage temperature: $\leq -20^{\circ}\text{C}$
8, Exposure controls/Personal protection	
Exposure controls:	Explosion of the product has/ not been confirmed.
Individual protection measures:	Respiratory protection: Mask that has been authenticated in the country
	Hand protection: Chemical resistant gloves
	Eye protection: Safety glasses (goggles) Skin protection: Protective clothing
Control of environmental exposure:	Do not let product enter drains.
9, Physical and chemical properties	
Information on basic physical and chemical properties	
Physical state:	liquid
Color:	Pale band brown yellow
Odor:	No data available
Melting point/freezing point:	No data available
Boiling point or initial boiling point and boiling range:	No data available
Flammability:	No data available
Lower and upper explosion limit/flammability limit:	No data available
Flash point:	No data available
Auto-ignition temperature:	No data available
Decomposition temperature:	No data available
pH:	No data available
Kinematic viscosity:	No data available
Solubility:	Water solubility
Partition coefficient n-octanol/water(log value):	No data available

Vapour pressure:	No data available
Density and/or relative density:	No data available
Relative vapour density:	No data available
Particle characteristics:	No data available
10, Stability and reactivity	
Reactivity:	No data available
Chemical stability:	Stable under normal condition.
Possibility of hazardous reactions:	None under normal use.
Conditions to avoid:	No dangerous reaction known under conditions of normal use.
Incompatible materials:	None under normal use.
Hazardous decomposition products:	None under normal use.
Polymerization:	Hazardous polymerization does not occur.
11, Toxicological information	
Acute toxicity (oral/ip):	No data available
Skin corrosion/irritation:	No data available
Serious eye damage/irritation:	No data available
Respiratory or skin sensitization:	No data available
Germ cell mutagenicity:	No data available
Carcinogenicity:	No data available
Reproductive toxicity:	No data available
Specific target organ toxicity- single exposure:	No data available
Specific target organ toxicity- repeated exposure:	No data available
Aspiration hazard:	No data available
12, Ecological Information	
Toxicity:	No data available
Persistence and degradability:	No data available
Bioaccumulative potential:	No data available
Mobility in Soil:	No data available
Hazardous to the ozone layer:	No data available
Other adverse effects:	No data available
13, Disposal Considerations	
Dilute with large amount of water, and dispose in a manner consistent with federal, state and local regulation.	

14, Transport Information

	IATA	IMO	RID/ARD
Shipping Name:	No information available.	No information available.	No information available.
Hazard Class:	Not Regulate	NON	NON
UN number:	Not Regulate	NON	NON
Transportation:	NON HAZARD	NON HAZARD	NON HAZARD

15, Regulatory information

Complies

16, Other information

The above information is believed to be correct, however, it may not be all inclusive. This information should be use only as a guide. CELL SCIENCE & TECHNOLOGY, Inc. shall not be held liable for any damage resulting from the handling or contact with the above product.