



# Material Safe Data Sheet

Creation date 18/05/2022

Version 1.0

## Section 1- Identification

**Product Name** Future PAGE™ 8% 12 Wells  
**Cat. No.** ET12008Gel  
**Product Type** Gel  
**Company** Changzhou Boyi Biotech co., Ltd  
No.8 Lanxiang Road. West Taihu Science and Technology  
Industrial Park ,Wujin District, ChangZhou ,JiangSu.P.R.China.  
(0086)0519-83822256  
**Emergency Response** 0519-83820182  
**For Research Use Only. Not for use in diagnostic procedures.**

## Section 2- Hazards Identification

### Emergency Overview

Toxicological properties of components have not been fully investigated.

### GHS-Classification

**Healthy hazards** Not Hazardous  
**Physical hazards** Not Hazardous  
**Environmental Hazards** Not Hazardous

### GHS-Label element

**Signal Word** None  
**Hazard Pictograms** Not Applicable

### Precautionary Statements

**Prevention** Not Applicable  
**Response** Not Applicable  
**Storage** Not Applicable  
**Disposal** Not Applicable

## Section 3- Composition / Information on Ingredients

Component	%	CAS No.
Bis-Tris	6.63	6976-37-0
Glycerol	4-6	56-81-5

## Section 4- First Aid Measures

**Inhalation** Not expected to be an inhalation hazard under anticipated conditions of normal use of this material. Consult a physician if necessary.

**Skin Contact** In case of contact, immediately flush skin with plenty of water. Seek medical attention if necessary.

**Eye Contact** In case of contact, immediately flush eyes with plenty of water for moment, lifting the upper and lower eyelids occasionally. Check for and remove any contact lenses. Continue to wash. Get medical attention.

**Ingestion** Not expected to present a significant ingestion hazard under anticipated



conditions of normal use.If you feel unwell,seek medical advice.

**Most important symptoms and effects, both acute and delayed**

Not Applicable.

**Notes to Physician**

Treat symptomatically.

**Section 5- Fire Fighting Measures**

<b>Suitable Extinguishing Media</b>	Dry chemical. Foam.Water spray. Carbon dioxide.
<b>Unsuitable Extinguishing Media</b>	No information available.
<b>Specific Hazards arising from the substance or mixyure</b>	No information available.
<b>Special protective actions for firefighters</b>	Promptly isolate the scene by removing all persons from the vicinity of the incident if there is a fire. No action shall be taken involving any personal risk or without suitable training. Use water spray to keep fire-exposed containers cool.
<b>Special protective equipment for firefighters</b>	Fire-fighters should wear appropriate protective equipment and self-contained breathing apparatus with a full face-piece operated in positive pressure mode.

**Section 6- Accidental Release Measures**

**Personal precautions, protective equipment and emergency procedures**

<b>For non-emergency personnel</b>	Provide adequate ventilation. Wear appropriate respirator. when ventilation is inadequate. Put on appropriate personal protective equipment.
<b>For emergency responders</b>	If specialized clothing is required to deal with the spillage, take note of any information in Section 8. on suitable and unsuitable materials. See also the information in "For non-emergency personnel".

**Section 7- Handling and Storage**

<b>Handling</b>	Always wear recommended Personal Protective Equipment,Provide adequate ventilation.  Eating, drinking and smoking should be prohibited in areas where this material is handled, stored and processed. Workers should wash hands and face before eating, drinking and smoking. Remove contaminated clothing and protective equipment before entering eating areas.Avoid contact with skin and eyes.
<b>Storage</b>	Store at 4℃, do not freeze.
<b>Specific end use</b>	For research use only;Electrophoresis precast gels.



## **Section 8- Exposure Controls/Personal Protection Equipment**

### **Control parameters**

Contains no substances with occupational exposure limit values.

### **Engineering measures**

Ensure adequate ventilation.

### **Personal Protective Equipment**

<b>Respiratory protection</b>	Wear suitable respiratory equipment.
<b>Eye protection</b>	Tight sealing safety glasses with side shields (or goggles).
<b>Hand protection</b>	Wear Latex gloves.
<b>Skin and Body protection</b>	Wear appropriate protective clothing.

**General Hygiene Measures** Handle in accordance with good industrial hygiene and safety practice.

## **Section 9- Physical and Chemical Properties**

<b>Appearance</b>	Gel
<b>Color</b>	Transparent
<b>Odor</b>	No data
<b>pH</b>	No data
<b>MP/MP Range</b>	No data
<b>BP/BP Range</b>	No data
<b>Flash Point</b>	No data
<b>Relative density</b>	No data
<b>solubility</b>	No data
<b>Vapor pressure</b>	No data
<b>Vapor density</b>	No data
<b>Partition coefficient</b>	No data
<b>Flammability</b>	No data
<b>Other</b>	No data

## **Section 10- Stability and Reactivity**

<b>Reactivity</b>	None known.
<b>Chemical stability</b>	Stable under normal conditions.
<b>Possibility of hazardous reactions</b>	Hazardous reactions has not been reported.
<b>Conditions to avoid</b>	No information available.
<b>Incompatible materials</b>	No dangerous reaction known under conditions of normal use.
<b>Hazardous decomposition products</b>	No data available.

## **Section 11- Toxicological Information**

### **Information on toxicological effects**

There is no evidence available indicating acute toxicity.

### **Skin irritation/Corrosion**

Not available.

### **Serious eye damage/irritation**



Not available.

**Respiratory or skin sensitization**

Not available.

**Germ cell mutagenicity**

Not available.

**Carcinogenicity**

Not available.

**Reproductive toxicity**

Not available.

**Specific target organ toxicity(single exposure)**

Not available.

**Specific target organ toxicity(repeated exposure)**

Not available.

**Aspiration hazard**

Not available.

**Section 12- Ecological Information**

**Ecotoxicity**

Contains no substances known to be hazardous to the environment or not degradable in waste water treatment plants.

**Persistence and degradability**

No information available.

**Bioaccumulative potential**

No information available.

**Mobility in soil**

No information available.

**Other adverse effects**

No information available.

**Section 13- Disposal Considerations**

The generation of waste should be avoided or minimized wherever possible. Empty containers or liners may retain some product residues. This material and its container must be disposed of in accordance with approved disposal technique. Contact a licensed professional waste disposal service to dispose of this product, its solutions or any by-products. Observe all federal, state, and local environmental regulations.

**Section 14- Transport Information**

**UN number**

Not Applicable

**UN proper shipping name**

Not Applicable

**Transport hazard class(es)**

Not Applicable

**Packing group**

Not Applicable

**Environmental hazards**

Not Applicable



### Special precautions for user

Not Applicable

## Section 15- Regulatory Information

### US Regulations

#### **SARA 311/312**

None.

#### **SARA 302**

None.

#### **SARA 313**

None.

#### **CERCLA**

None.

#### **TSCA**

Listed.

### EU Regulations

#### **1999/45/EC**

None.

#### **EINECS**

Listed.

### Canadian Regulations

#### **Controlled Products Regulations (CPR)**

All components are listed.

#### **WHMIS classification D2B**

Listed.

#### **DSL**

Listed.

## Section 16- Other Information

**Creation date** 18/05/2022

**Version** 1.0

"The above information was acquired by diligent search and/or investigation and the recommendations are based on prudent application of professional judgment. The information shall not be taken as being all inclusive and is to be used only as a guide. All materials and mixtures may present unknown hazards and should be used with caution. Since the Company cannot control the actual methods, volumes, or conditions of use, the Company shall not be held liable for any damages or losses resulting from the handling or from contact with the product as described herein. THE INFORMATION IN THIS SDS DOES NOT CONSTITUTE A WARRENTY, EXPRESSED OR IMPLIED, INCLUDING ANY IMPLIED WARRANTY OF MERCHANTABILITY OR FITNESS FOR ANY PARTICULAR PUPOSE"

End of Safety Data Sheet



# Material Safe Data Sheet

Creation date 18/05/2022

Version 1.0

## Section 1- Identification

**Product Name** Future PAGE™ 10% 12 Wells  
**Cat. No.** ET12010Gel  
**Product Type** Gel  
**Company** Changzhou Boyi Biotech co. , Ltd  
No.8 Lanxiang Road. West Taihu Science and Technology  
Industrial Park ,Wujin District, ChangZhou ,JiangSu.P.R.China.  
(0086)0519-83822256  
**Emergency Response** 0519-83820182  
**For Research Use Only. Not for use in diagnostic procedures.**

## Section 2- Hazards Identification

### Emergency Overview

Toxicological properties of components have not been fully investigated.

### GHS-Classification

**Healthy hazards** Not Hazardous  
**Physical hazards** Not Hazardous  
**Environmental Hazards** Not Hazardous

### GHS-Label element

**Signal Word** None  
**Hazard Pictograms** Not Applicable

### Precautionary Statements

**Prevention** Not Applicable  
**Response** Not Applicable  
**Storage** Not Applicable  
**Disposal** Not Applicable

## Section 3- Composition / Information on Ingredients

Component	%	CAS No.
Bis-Tris	6.63	6976-37-0
Glycerol	4-6	56-81-5

## Section 4- First Aid Measures

**Inhalation** Not expected to be an inhalation hazard under anticipated conditions of normal use of this material. Consult a physician if necessary.

**Skin Contact** In case of contact, immediately flush skin with plenty of water. Seek medical attention if necessary.

**Eye Contact** In case of contact, immediately flush eyes with plenty of water for moment, lifting the upper and lower eyelids occasionally. Check for and remove any contact lenses. Continue to wash. Get medical attention.

**Ingestion** Not expected to present a significant ingestion hazard under anticipated



conditions of normal use.If you feel unwell,seek medical advice.

**Most important symptoms and effects, both acute and delayed**

Not Applicable.

**Notes to Physician**

Treat symptomatically.

**Section 5- Fire Fighting Measures**

<b>Suitable Extinguishing Media</b>	Dry chemical. Foam.Water spray. Carbon dioxide.
<b>Unsuitable Extinguishing Media</b>	No information available.
<b>Specific Hazards arising from the substance or mixyure</b>	No information available.
<b>Special protective actions for firefighters</b>	Promptly isolate the scene by removing all persons from the vicinity of the incident if there is a fire. No action shall be taken involving any personal risk or without suitable training. Use water spray to keep fire-exposed containers cool.
<b>Special protective equipment for firefighters</b>	Fire-fighters should wear appropriate protective equipment and self-contained breathing apparatus with a full face-piece operated in positive pressure mode.

**Section 6- Accidental Release Measures**

**Personal precautions, protective equipment and emergency procedures**

<b>For non-emergency personnel</b>	Provide adequate ventilation. Wear appropriate respirator. when ventilation is inadequate. Put on appropriate personal protective equipment.
<b>For emergency responders</b>	If specialized clothing is required to deal with the spillage, take note of any information in Section 8. on suitable and unsuitable materials. See also the information in "For non-emergency personnel".

**Section 7- Handling and Storage**

<b>Handling</b>	Always wear recommended Personal Protective Equipment,Provide adequate ventilation.  Eating, drinking and smoking should be prohibited in areas where this material is handled, stored and processed. Workers should wash hands and face before eating, drinking and smoking. Remove contaminated clothing and protective equipment before entering eating areas.Avoid contact with skin and eyes.
<b>Storage</b>	Store at 4℃, do not freeze.
<b>Specific end use</b>	For research use only;Electrophoresis precast gels.



## **Section 8- Exposure Controls/Personal Protection Equipment**

### **Control parameters**

Contains no substances with occupational exposure limit values.

### **Engineering measures**

Ensure adequate ventilation.

### **Personal Protective Equipment**

<b>Respiratory protection</b>	Wear suitable respiratory equipment.
<b>Eye protection</b>	Tight sealing safety glasses with side shields (or goggles).
<b>Hand protection</b>	Wear Latex gloves.
<b>Skin and Body protection</b>	Wear appropriate protective clothing.

**General Hygiene Measures** Handle in accordance with good industrial hygiene and safety practice.

## **Section 9- Physical and Chemical Properties**

<b>Appearance</b>	Gel
<b>Color</b>	Transparent
<b>Odor</b>	No data
<b>pH</b>	No data
<b>MP/MP Range</b>	No data
<b>BP/BP Range</b>	No data
<b>Flash Point</b>	No data
<b>Relative density</b>	No data
<b>solubility</b>	No data
<b>Vapor pressure</b>	No data
<b>Vapor density</b>	No data
<b>Partition coefficient</b>	No data
<b>Flammability</b>	No data
<b>Other</b>	No data

## **Section 10- Stability and Reactivity**

<b>Reactivity</b>	None known.
<b>Chemical stability</b>	Stable under normal conditions.
<b>Possibility of hazardous reactions</b>	Hazardous reactions has not been reported.
<b>Conditions to avoid</b>	No information available.
<b>Incompatible materials</b>	No dangerous reaction known under conditions of normal use.
<b>Hazardous decomposition products</b>	No data available.

## **Section 11- Toxicological Information**

### **Information on toxicological effects**

There is no evidence available indicating acute toxicity.

### **Skin irritation/Corrosion**

Not available.

### **Serious eye damage/irritation**





Not available.

**Respiratory or skin sensitization**

Not available.

**Germ cell mutagenicity**

Not available.

**Carcinogenicity**

Not available.

**Reproductive toxicity**

Not available.

**Specific target organ toxicity(single exposure)**

Not available.

**Specific target organ toxicity(repeated exposure)**

Not available.

**Aspiration hazard**

Not available.

**Section 12- Ecological Information**

**Ecotoxicity**

Contains no substances known to be hazardous to the environment or not degradable in waste water treatment plants.

**Persistence and degradability**

No information available.

**Bioaccumulative potential**

No information available.

**Mobility in soil**

No information available.

**Other adverse effects**

No information available.

**Section 13- Disposal Considerations**

The generation of waste should be avoided or minimized wherever possible. Empty containers or liners may retain some product residues. This material and its container must be disposed of in accordance with approved disposal technique. Contact a licensed professional waste disposal service to dispose of this product, its solutions or any by-products. Observe all federal, state, and local environmental regulations.

**Section 14- Transport Information**

**UN number**

Not Applicable

**UN proper shipping name**

Not Applicable

**Transport hazard class(es)**

Not Applicable

**Packing group**

Not Applicable

**Environmental hazards**

Not Applicable



### Special precautions for user

Not Applicable

## **Section 15- Regulatory Information**

### **US Regulations**

#### **SARA 311/312**

None.

#### **SARA 302**

None.

#### **SARA 313**

None.

#### **CERCLA**

None.

#### **TSCA**

Listed.

### **EU Regulations**

#### **1999/45/EC**

None.

#### **EINECS**

Listed.

### **Canadian Regulations**

#### **Controlled Products Regulations (CPR)**

All components are listed.

#### **WHMIS classification D2B**

Listed.

#### **DSL**

Listed.

## **Section 16- Other Information**

**Creation date** 18/05/2022

**Version** 1.0

"The above information was acquired by diligent search and/or investigation and the recommendations are based on prudent application of professional judgment. The information shall not be taken as being all inclusive and is to be used only as a guide. All materials and mixtures may present unknown hazards and should be used with caution. Since the Company cannot control the actual methods, volumes, or conditions of use, the Company shall not be held liable for any damages or losses resulting from the handling or from contact with the product as described herein. THE INFORMATION IN THIS SDS DOES NOT CONSTITUTE A WARRENTY, EXPRESSED OR IMPLIED, INCLUDING ANY IMPLIED WARRANTY OF MERCHANTABILITY OR FITNESS FOR ANY PARTICULAR PUPOSE"

End of Safety Data Sheet



# Material Safe Data Sheet

Creation date 18/05/2022

Version 1.0

## Section 1- Identification

**Product Name** Future PAGE™ 12% 12 Wells  
**Cat. No.** ET12012Gel  
**Product Type** Gel  
**Company** Changzhou Boyi Biotech co., Ltd  
No.8 Lanxiang Road. West Taihu Science and Technology  
Industrial Park ,Wujin District, ChangZhou ,JiangSu.P.R.China.  
(0086)0519-83822256  
**Emergency Response** 0519-83820182  
**For Research Use Only. Not for use in diagnostic procedures.**

## Section 2- Hazards Identification

### Emergency Overview

Toxicological properties of components have not been fully investigated.

### GHS-Classification

**Healthy hazards** Not Hazardous  
**Physical hazards** Not Hazardous  
**Environmental Hazards** Not Hazardous

### GHS-Label element

**Signal Word** None  
**Hazard Pictograms** Not Applicable

### Precautionary Statements

**Prevention** Not Applicable  
**Response** Not Applicable  
**Storage** Not Applicable  
**Disposal** Not Applicable

## Section 3- Composition / Information on Ingredients

Component	%	CAS No.
Bis-Tris	6.63	6976-37-0
Glycerol	4-6	56-81-5

## Section 4- First Aid Measures

**Inhalation** Not expected to be an inhalation hazard under anticipated conditions of normal use of this material. Consult a physician if necessary.

**Skin Contact** In case of contact, immediately flush skin with plenty of water. Seek medical attention if necessary.

**Eye Contact** In case of contact, immediately flush eyes with plenty of water for moment, lifting the upper and lower eyelids occasionally. Check for and remove any contact lenses. Continue to wash. Get medical attention.

**Ingestion** Not expected to present a significant ingestion hazard under anticipated



conditions of normal use.If you feel unwell,seek medical advice.

**Most important symptoms and effects, both acute and delayed**

Not Applicable.

**Notes to Physician**

Treat symptomatically.

**Section 5- Fire Fighting Measures**

<b>Suitable Extinguishing Media</b>	Dry chemical. Foam.Water spray. Carbon dioxide.
<b>Unsuitable Extinguishing Media</b>	No information available.
<b>Specific Hazards arising from the substance or mixyure</b>	No information available.
<b>Special protective actions for firefighters</b>	Promptly isolate the scene by removing all persons from the vicinity of the incident if there is a fire. No action shall be taken involving any personal risk or without suitable training. Use water spray to keep fire-exposed containers cool.
<b>Special protective equipment for firefighters</b>	Fire-fighters should wear appropriate protective equipment and self-contained breathing apparatus with a full face-piece operated in positive pressure mode.

**Section 6- Accidental Release Measures**

**Personal precautions, protective equipment and emergency procedures**

<b>For non-emergency personnel</b>	Provide adequate ventilation. Wear appropriate respirator. when ventilation is inadequate. Put on appropriate personal protective equipment.
<b>For emergency responders</b>	If specialized clothing is required to deal with the spillage, take note of any information in Section 8. on suitable and unsuitable materials. See also the information in "For non-emergency personnel".

**Section 7- Handling and Storage**

<b>Handling</b>	Always wear recommended Personal Protective Equipment,Provide adequate ventilation.  Eating, drinking and smoking should be prohibited in areas where this material is handled, stored and processed. Workers should wash hands and face before eating, drinking and smoking. Remove contaminated clothing and protective equipment before entering eating areas.Avoid contact with skin and eyes.
<b>Storage</b>	Store at 4℃, do not freeze.
<b>Specific end use</b>	For research use only;Electrophoresis precast gels.



## **Section 8- Exposure Controls/Personal Protection Equipment**

### **Control parameters**

Contains no substances with occupational exposure limit values.

### **Engineering measures**

Ensure adequate ventilation.

### **Personal Protective Equipment**

<b>Respiratory protection</b>	Wear suitable respiratory equipment.
<b>Eye protection</b>	Tight sealing safety glasses with side shields (or goggles).
<b>Hand protection</b>	Wear Latex gloves.
<b>Skin and Body protection</b>	Wear appropriate protective clothing.

**General Hygiene Measures** Handle in accordance with good industrial hygiene and safety practice.

## **Section 9- Physical and Chemical Properties**

<b>Appearance</b>	Gel
<b>Color</b>	Transparent
<b>Odor</b>	No data
<b>pH</b>	No data
<b>MP/MP Range</b>	No data
<b>BP/BP Range</b>	No data
<b>Flash Point</b>	No data
<b>Relative density</b>	No data
<b>solubility</b>	No data
<b>Vapor pressure</b>	No data
<b>Vapor density</b>	No data
<b>Partition coefficient</b>	No data
<b>Flammability</b>	No data
<b>Other</b>	No data

## **Section 10- Stability and Reactivity**

<b>Reactivity</b>	None known.
<b>Chemical stability</b>	Stable under normal conditions.
<b>Possibility of hazardous reactions</b>	Hazardous reactions has not been reported.
<b>Conditions to avoid</b>	No information available.
<b>Incompatible materials</b>	No dangerous reaction known under conditions of normal use.
<b>Hazardous decomposition products</b>	No data available.

## **Section 11- Toxicological Information**

### **Information on toxicological effects**

There is no evidence available indicating acute toxicity.

### **Skin irritation/Corrosion**

Not available.

### **Serious eye damage/irritation**



Not available.

**Respiratory or skin sensitization**

Not available.

**Germ cell mutagenicity**

Not available.

**Carcinogenicity**

Not available.

**Reproductive toxicity**

Not available.

**Specific target organ toxicity(single exposure)**

Not available.

**Specific target organ toxicity(repeated exposure)**

Not available.

**Aspiration hazard**

Not available.

**Section 12- Ecological Information**

**Ecotoxicity**

Contains no substances known to be hazardous to the environment or not degradable in waste water treatment plants.

**Persistence and degradability**

No information available.

**Bioaccumulative potential**

No information available.

**Mobility in soil**

No information available.

**Other adverse effects**

No information available.

**Section 13- Disposal Considerations**

The generation of waste should be avoided or minimized wherever possible. Empty containers or liners may retain some product residues. This material and its container must be disposed of in accordance with approved disposal technique. Contact a licensed professional waste disposal service to dispose of this product, its solutions or any by-products. Observe all federal, state, and local environmental regulations.

**Section 14- Transport Information**

**UN number**

Not Applicable

**UN proper shipping name**

Not Applicable

**Transport hazard class(es)**

Not Applicable

**Packing group**

Not Applicable

**Environmental hazards**

Not Applicable



### Special precautions for user

Not Applicable

## Section 15- Regulatory Information

### US Regulations

#### **SARA 311/312**

None.

#### **SARA 302**

None.

#### **SARA 313**

None.

#### **CERCLA**

None.

#### **TSCA**

Listed.

### EU Regulations

#### **1999/45/EC**

None.

#### **EINECS**

Listed.

### Canadian Regulations

#### **Controlled Products Regulations (CPR)**

All components are listed.

#### **WHMIS classification D2B**

Listed.

#### **DSL**

Listed.

## Section 16- Other Information

**Creation date** 18/05/2022

**Version** 1.0

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End of Safety Data Sheet



# Material Safe Data Sheet

Creation date 18/05/2022

Version 1.0

## Section 1- Identification

**Product Name** Future PAGE™ 4-12% 12 Wells  
**Cat. No.** ET12412Gel  
**Product Type** Gel  
**Company** Changzhou Boyi Biotech co. , Ltd  
No.8 Lanxiang Road. West Taihu Science and Technology  
Industrial Park ,Wujin District, ChangZhou ,JiangSu.P.R.China.  
(0086)0519-83822256  
**Emergency Response** 0519-83820182  
**For Research Use Only. Not for use in diagnostic procedures.**

## Section 2- Hazards Identification

### Emergency Overview

Toxicological properties of components have not been fully investigated.

### GHS-Classification

**Healthy hazards** Not Hazardous  
**Physical hazards** Not Hazardous  
**Environmental Hazards** Not Hazardous

### GHS-Label element

**Signal Word** None  
**Hazard Pictograms** Not Applicable

### Precautionary Statements

**Prevention** Not Applicable  
**Response** Not Applicable  
**Storage** Not Applicable  
**Disposal** Not Applicable

## Section 3- Composition / Information on Ingredients

Component	%	CAS No.
Bis-Tris	6.63	6976-37-0
Glycerol	4-6	56-81-5

## Section 4- First Aid Measures

**Inhalation** Not expected to be an inhalation hazard under anticipated conditions of normal use of this material. Consult a physician if necessary.

**Skin Contact** In case of contact, immediately flush skin with plenty of water. Seek medical attention if necessary.

**Eye Contact** In case of contact, immediately flush eyes with plenty of water for moment, lifting the upper and lower eyelids occasionally. Check for and remove any contact lenses. Continue to wash. Get medical attention.

**Ingestion** Not expected to present a significant ingestion hazard under anticipated





conditions of normal use.If you feel unwell,seek medical advice.

**Most important symptoms and effects, both acute and delayed**

Not Applicable.

**Notes to Physician**

Treat symptomatically.

**Section 5- Fire Fighting Measures**

<b>Suitable Extinguishing Media</b>	Dry chemical. Foam.Water spray. Carbon dioxide.
<b>Unsuitable Extinguishing Media</b>	No information available.
<b>Specific Hazards arising from the substance or mixyure</b>	No information available.
<b>Special protective actions for firefighters</b>	Promptly isolate the scene by removing all persons from the vicinity of the incident if there is a fire. No action shall be taken involving any personal risk or without suitable training. Use water spray to keep fire-exposed containers cool.
<b>Special protective equipment for firefighters</b>	Fire-fighters should wear appropriate protective equipment and self-contained breathing apparatus with a full face-piece operated in positive pressure mode.

**Section 6- Accidental Release Measures**

**Personal precautions, protective equipment and emergency procedures**

<b>For non-emergency personnel</b>	Provide adequate ventilation. Wear appropriate respirator. when ventilation is inadequate. Put on appropriate personal protective equipment.
<b>For emergency responders</b>	If specialized clothing is required to deal with the spillage, take note of any information in Section 8. on suitable and unsuitable materials. See also the information in "For non-emergency personnel".

**Section 7- Handling and Storage**

<b>Handling</b>	Always wear recommended Personal Protective Equipment,Provide adequate ventilation.  Eating, drinking and smoking should be prohibited in areas where this material is handled, stored and processed. Workers should wash hands and face before eating, drinking and smoking. Remove contaminated clothing and protective equipment before entering eating areas.Avoid contact with skin and eyes.
<b>Storage</b>	Store at 4℃, do not freeze.
<b>Specific end use</b>	For research use only;Electrophoresis precast gels.



## **Section 8- Exposure Controls/Personal Protection Equipment**

### **Control parameters**

Contains no substances with occupational exposure limit values.

### **Engineering measures**

Ensure adequate ventilation.

### **Personal Protective Equipment**

<b>Respiratory protection</b>	Wear suitable respiratory equipment.
<b>Eye protection</b>	Tight sealing safety glasses with side shields (or goggles).
<b>Hand protection</b>	Wear Latex gloves.
<b>Skin and Body protection</b>	Wear appropriate protective clothing.

**General Hygiene Measures** Handle in accordance with good industrial hygiene and safety practice.

## **Section 9- Physical and Chemical Properties**

<b>Appearance</b>	Gel
<b>Color</b>	Transparent
<b>Odor</b>	No data
<b>pH</b>	No data
<b>MP/MP Range</b>	No data
<b>BP/BP Range</b>	No data
<b>Flash Point</b>	No data
<b>Relative density</b>	No data
<b>solubility</b>	No data
<b>Vapor pressure</b>	No data
<b>Vapor density</b>	No data
<b>Partition coefficient</b>	No data
<b>Flammability</b>	No data
<b>Other</b>	No data

## **Section 10- Stability and Reactivity**

<b>Reactivity</b>	None known.
<b>Chemical stability</b>	Stable under normal conditions.
<b>Possibility of hazardous reactions</b>	Hazardous reactions has not been reported.
<b>Conditions to avoid</b>	No information available.
<b>Incompatible materials</b>	No dangerous reaction known under conditions of normal use.
<b>Hazardous decomposition products</b>	No data available.

## **Section 11- Toxicological Information**

### **Information on toxicological effects**

There is no evidence available indicating acute toxicity.

### **Skin irritation/Corrosion**

Not available.

### **Serious eye damage/irritation**



Not available.

**Respiratory or skin sensitization**

Not available.

**Germ cell mutagenicity**

Not available.

**Carcinogenicity**

Not available.

**Reproductive toxicity**

Not available.

**Specific target organ toxicity(single exposure)**

Not available.

**Specific target organ toxicity(repeated exposure)**

Not available.

**Aspiration hazard**

Not available.

**Section 12- Ecological Information**

**Ecotoxicity**

Contains no substances known to be hazardous to the environment or not degradable in waste water treatment plants.

**Persistence and degradability**

No information available.

**Bioaccumulative potential**

No information available.

**Mobility in soil**

No information available.

**Other adverse effects**

No information available.

**Section 13- Disposal Considerations**

The generation of waste should be avoided or minimized wherever possible. Empty containers or liners may retain some product residues. This material and its container must be disposed of in accordance with approved disposal technique. Contact a licensed professional waste disposal service to dispose of this product, its solutions or any by-products. Observe all federal, state, and local environmental regulations.

**Section 14- Transport Information**

**UN number**

Not Applicable

**UN proper shipping name**

Not Applicable

**Transport hazard class(es)**

Not Applicable

**Packing group**

Not Applicable

**Environmental hazards**

Not Applicable



### Special precautions for user

Not Applicable

## Section 15- Regulatory Information

### US Regulations

#### **SARA 311/312**

None.

#### **SARA 302**

None.

#### **SARA 313**

None.

#### **CERCLA**

None.

#### **TSCA**

Listed.

### EU Regulations

#### **1999/45/EC**

None.

#### **EINECS**

Listed.

### Canadian Regulations

#### **Controlled Products Regulations (CPR)**

All components are listed.

#### **WHMIS classification D2B**

Listed.

#### **DSL**

Listed.

## Section 16- Other Information

**Creation date** 18/05/2022

**Version** 1.0

"The above information was acquired by diligent search and/or investigation and the recommendations are based on prudent application of professional judgment. The information shall not be taken as being all inclusive and is to be used only as a guide. All materials and mixtures may present unknown hazards and should be used with caution. Since the Company cannot control the actual methods, volumes, or conditions of use, the Company shall not be held liable for any damages or losses resulting from the handling or from contact with the product as described herein. THE INFORMATION IN THIS SDS DOES NOT CONSTITUTE A WARRENTY, EXPRESSED OR IMPLIED, INCLUDING ANY IMPLIED WARRANTY OF MERCHANTABILITY OR FITNESS FOR ANY PARTICULAR PUPOSE"

End of Safety Data Sheet



# Material Safe Data Sheet

Creation date 18/05/2022

Version 1.0

## Section 1- Identification

**Product Name** Future PAGE™ 4-20% 12 Wells  
**Cat. No.** ET12420Gel  
**Product Type** Gel  
**Company** Changzhou Boyi Biotech co. , Ltd  
No.8 Lanxiang Road. West Taihu Science and Technology  
Industrial Park ,Wujin District, ChangZhou ,JiangSu.P.R.China.  
(0086)0519-83822256  
**Emergency Response** 0519-83820182  
**For Research Use Only. Not for use in diagnostic procedures.**

## Section 2- Hazards Identification

### Emergency Overview

Toxicological properties of components have not been fully investigated.

### GHS-Classification

**Healthy hazards** Not Hazardous  
**Physical hazards** Not Hazardous  
**Environmental Hazards** Not Hazardous

### GHS-Label element

**Signal Word** None  
**Hazard Pictograms** Not Applicable

### Precautionary Statements

**Prevention** Not Applicable  
**Response** Not Applicable  
**Storage** Not Applicable  
**Disposal** Not Applicable

## Section 3- Composition / Information on Ingredients

Component	%	CAS No.
Bis-Tris	6.63	6976-37-0
Glycerol	4-6	56-81-5

## Section 4- First Aid Measures

**Inhalation** Not expected to be an inhalation hazard under anticipated conditions of normal use of this material. Consult a physician if necessary.

**Skin Contact** In case of contact, immediately flush skin with plenty of water. Seek medical attention if necessary.

**Eye Contact** In case of contact, immediately flush eyes with plenty of water for moment, lifting the upper and lower eyelids occasionally. Check for and remove any contact lenses. Continue to wash. Get medical attention.

**Ingestion** Not expected to present a significant ingestion hazard under anticipated



conditions of normal use. If you feel unwell, seek medical advice.

**Most important symptoms and effects, both acute and delayed**

Not Applicable.

**Notes to Physician**

Treat symptomatically.

**Section 5- Fire Fighting Measures**

<b>Suitable Extinguishing Media</b>	Dry chemical. Foam. Water spray. Carbon dioxide.
<b>Unsuitable Extinguishing Media</b>	No information available.
<b>Specific Hazards arising from the substance or mixture</b>	No information available.
<b>Special protective actions for firefighters</b>	Promptly isolate the scene by removing all persons from the vicinity of the incident if there is a fire. No action shall be taken involving any personal risk or without suitable training. Use water spray to keep fire-exposed containers cool.
<b>Special protective equipment for firefighters</b>	Fire-fighters should wear appropriate protective equipment and self-contained breathing apparatus with a full face-piece operated in positive pressure mode.

**Section 6- Accidental Release Measures**

**Personal precautions, protective equipment and emergency procedures**

<b>For non-emergency personnel</b>	Provide adequate ventilation. Wear appropriate respirator when ventilation is inadequate. Put on appropriate personal protective equipment.
<b>For emergency responders</b>	If specialized clothing is required to deal with the spillage, take note of any information in Section 8. on suitable and unsuitable materials. See also the information in "For non-emergency personnel".

**Section 7- Handling and Storage**

<b>Handling</b>	Always wear recommended Personal Protective Equipment, Provide adequate ventilation.  Eating, drinking and smoking should be prohibited in areas where this material is handled, stored and processed. Workers should wash hands and face before eating, drinking and smoking. Remove contaminated clothing and protective equipment before entering eating areas. Avoid contact with skin and eyes.
<b>Storage</b>	Store at 4°C, do not freeze.
<b>Specific end use</b>	For research use only; Electrophoresis precast gels.



## **Section 8- Exposure Controls/Personal Protection Equipment**

### **Control parameters**

Contains no substances with occupational exposure limit values.

### **Engineering measures**

Ensure adequate ventilation.

### **Personal Protective Equipment**

<b>Respiratory protection</b>	Wear suitable respiratory equipment.
<b>Eye protection</b>	Tight sealing safety glasses with side shields (or goggles).
<b>Hand protection</b>	Wear Latex gloves.
<b>Skin and Body protection</b>	Wear appropriate protective clothing.

**General Hygiene Measures** Handle in accordance with good industrial hygiene and safety practice.

## **Section 9- Physical and Chemical Properties**

<b>Appearance</b>	Gel
<b>Color</b>	Transparent
<b>Odor</b>	No data
<b>pH</b>	No data
<b>MP/MP Range</b>	No data
<b>BP/BP Range</b>	No data
<b>Flash Point</b>	No data
<b>Relative density</b>	No data
<b>solubility</b>	No data
<b>Vapor pressure</b>	No data
<b>Vapor density</b>	No data
<b>Partition coefficient</b>	No data
<b>Flammability</b>	No data
<b>Other</b>	No data

## **Section 10- Stability and Reactivity**

<b>Reactivity</b>	None known.
<b>Chemical stability</b>	Stable under normal conditions.
<b>Possibility of hazardous reactions</b>	Hazardous reactions has not been reported.
<b>Conditions to avoid</b>	No information available.
<b>Incompatible materials</b>	No dangerous reaction known under conditions of normal use.
<b>Hazardous decomposition products</b>	No data available.

## **Section 11- Toxicological Information**

### **Information on toxicological effects**

There is no evidence available indicating acute toxicity.

### **Skin irritation/Corrosion**

Not available.

### **Serious eye damage/irritation**



Not available.

**Respiratory or skin sensitization**

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**Germ cell mutagenicity**

Not available.

**Carcinogenicity**

Not available.

**Reproductive toxicity**

Not available.

**Specific target organ toxicity(single exposure)**

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**Specific target organ toxicity(repeated exposure)**

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**Aspiration hazard**

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**Persistence and degradability**

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**Bioaccumulative potential**

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**Mobility in soil**

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**Other adverse effects**

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**Section 14- Transport Information**

**UN number**

Not Applicable

**UN proper shipping name**

Not Applicable

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**Packing group**

Not Applicable

**Environmental hazards**

Not Applicable





### Special precautions for user

Not Applicable

## Section 15- Regulatory Information

### US Regulations

#### **SARA 311/312**

None.

#### **SARA 302**

None.

#### **SARA 313**

None.

#### **CERCLA**

None.

#### **TSCA**

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End of Safety Data Sheet