
Material Safety Data Sheet

Revision Date: 8-August-2021



1. Product and Company Information

Product Name GelStain Blue
Cat. No. GS102-01
Company TransGen Biotech Co., Ltd.
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2. Composition

Chemical Name	CAS-No	Common Name	EINECS No	Concentration or Concentration Range (%)
Dimethyl Sulfoxide	67-68-5	N/A	200-664-3	95-100

It is recommended to handle all chemicals with caution.

3. Hazards Identification

Health Hazards

Not Hazardous

Physical Hazards

GHS Physical Hazards	Flammable liquids
GHS Physical Hazards No.	Category 4

Environmental Hazards

Not Hazardous

Signal Word

Warning

Hazard Symbol

None

Hazard Statements

H227 - Combustible liquid

Precautionary statements

Precaution

P210 - Keep away from heat/sparks/open flames/hot surfaces. - No smoking.

P280 - Wear protective gloves/protective clothing/eye protection/face protection

Response

P370 + P378 - In case of fire: Use dry sand, dry chemical powder or solvent resistant foam extinguishing agent for extinction.

Storage

P403 - Store in a well-ventilated place.

Dispose

P501 - Dispose of contents/container to qualified waste treatment plant

Other Hazards

N/A

4. First Aid Measures

General advice	In the case of accident or if you feel unwell, seek medical advice immediately (show the label where possible).
Eye contact	Rinse thoroughly with plenty of water for at least 15 minutes, lifting lower and upper eyelids. Consult a physician.
Skin contact	Wash off immediately with plenty of water for at least 15 minutes.
Inhalation	Move to fresh air.
Ingestion	Never give anything by mouth to an unconscious person. If symptoms persist, call a physician. Not an expected route of exposure.
Notes to physician	Treat symptomatically.

5. Fire-Fighting Measures

Suitable extinguishing media	Water spray. Carbon dioxide (CO ₂). Foam. Dry chemical
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Special protective equipment for firefighters	Wear self-contained breathing apparatus and protective suit.
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6. Accidental Release Measures

Personal precautions	Use personal protective equipment.
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Methods for cleaning up	Soak up with inert absorbent material.
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Environmental precautions	Prevent further leakage or spillage if safe to do so.
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7. Handling and Storage

Precautions for safe handling	Avoid contact with skin, eyes and clothing. Handle in accordance with good industrial hygiene and safety practice.
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Conditions for safe storage	Keep container sealed in a dry, cool and well-ventilated place. Keep in properly labeled containers. Prevent direct sunlight.
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8. Exposure Controls/Personal Protection

Control parameter

MAC(mg/m ³)	No standards available
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PC-TWA(mg/m ³)	No standards available
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PC-STEL(mg/m ³)	No standards available
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TLV-C(mg/m ³)	No standards available
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TLV-TWA(mg/m ³)	No standards available
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TLV-STEL(mg/m ³)	No standards available
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9. Physical and Chemical Properties

General Information

Form: Liquid

Water solubility: soluble

Others: No information available.

10. Stability and Reactivity

Stability	Stable under normal conditions
Materials to avoid	No information available
Hazardous decomposition	No information available
Products polymerization	Hazardous polymerisation does not occur

11. Toxicological Information

Information on toxicological effects

Acute Toxicity	No data available
Oral-rat LD50 (mg/kg)	No data available
Dermal-rat LD50 (mg/kg)	No data available
Inhalation-rat LC50 (mg/m ³)	No data available
Subcutaneous-rat LD50 (mg/kg)	No data available
Intravenous-rat LD50 (mg/kg)	No data available
Peritoneal cavity-rat LD50 (mg/kg)	No data available
Oral-mouse LD50 (mg/kg)	No data available
Dermal- mouse LD50 (mg/kg)	No data available
Intravenous-mouse LD50 (mg/kg)	No data available
Peritoneal cavity-mouse LD50 (mg/kg)	No data available

Health effects of routine exposure

Eyes	Causes eye irritation
Skin	Product components may be absorbed by skin, causing slight skin irritation

Inhalation	Irritating to respiratory system
Ingestion	Harmful if swallowed
Sensitization	No data available
Mutagenicity	No data available
Teratogenicity	No data available
Carcinogenicity	No data available

12. Ecological Information

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

13. Disposal Considerations

Dispose of in accordance with local regulations.

14. Transport Information

Hazard class	No data available
UN number	No data available
Packing group	No data available
Packing method	No data available
Transportation considerations	Package should be intact upon departure. Loading should be handled carefully. During transportation, prevent the containers from leakage, collapse, fall or damage. Transportation combined with oxidants, edible chemicals, etc. is strictly prohibited. It should be protected from exposure to sun light, rain and high temperature during transportation. The vehicle should be thoroughly cleaned after transportation. Road transportation must follow the prescribed route.

15. Regulatory Information

The following laws, regulations and standards have made corresponding provisions on the safe use, storage, transportation, loading and unloading , classification and marking of chemicals: The Production Safety Law of the People's Republic of China (adopted at the 27th meeting of the Standing Committee of the Ninth People's Congress on June 29, 2002); The Environmental Protection Law of the People's Republic of China (adopted at the 11th meeting of the Standing Committee of the Seventh National People's Congress on December 26, 1989)

16. Other Information

For research use only. Not intended for human or animal diagnostic or therapeutic uses.

The above information was acquired by diligent search and/or investigation. These recommendations are based on prudent professional judgment. This 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, quantities, 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 MSDS does not constitute a warranty of marketability or suitability for any particular purpose, expressed or implied.**

End of Safety Data Sheet