

Material Safety Data Sheet



6X Agarose Gel Loading Dye

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Biozoa Biological Supply Company

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Section 1 – Product Description

Product Name: 6X Agarose Gel Loading Dye

Product Code(s): 172230

Size: 1mL

Chemical Name: N/A

Formula: N/A

Distributor: Biozoa Biological Supply Company. Seoul, Geumcheon-gu, Doosan-ro 70, B-1008(Hyundai-Center)

Chemical Information: 02-862-1372 (9am-5pm (ET) M-F)

Section 2 – Hazard Identification

Emergency Overview: Signal Word -Warning

Potential Health Effects:

Eyes: Causes serious eye irritation

Ingestion: May cause gastrointestinal discomfort.

Skin: May Causes irritation to skin.

Inhalation: May Causes irritation to respiratory tract.

Section 3 – Composition / Information on Ingredients

Principal Hazardous Components: No components need to be disclosed according to the applicable regulations.; EC Bromophenol blue (115-39-9) <0.25% Xylene cyanol FF (2650-17-1) <0.25% Sucrose (57-50-1) < 40%

TLV units: N/A

PEL units: N/A

Section 4 – First Aid Measures

Emergency and First Aid Procedures:

Eyes – In case of contact with eyes, Flush eyes with water as a precaution.

Skin – Wash off with soap and plenty of water

Ingestion – If swallowed, Never give anything by mouth to an unconscious person. Rinse mouth with water.

Inhalation –If breathed in, move person into fresh air. If not breathing, give artificial respiration.

Section 5 – Firefighting Procedures

Flash Point (Method Used): N/A

NFPA Rating:

Health: 1

Fire: 0

Reactivity: 0

Extinguisher Media: Use media suitable to extinguish surrounding fire.

Flammable Limits in Air % by Volume: N/A

Autoignition Temperature: N/A

Special Firefighting Procedures: Firefighters should wear full protective equipment and NIOSH approved self-contained breathing apparatus.

Unusual Fire and Explosion Hazards: None

Section 6 – Spill or Leak Procedures

Steps to Take in Case Material Is Released or Spilled: Ventilate area of spill. Eliminate all sources of ignition. Remove all non-essential personnel from area. Clean-up personnel should wear proper protective equipment and clothing. Absorb material with suitable absorbent and containerize for disposal.

Section 7 – Special Precautions

Precautions to Take in Handling or Storing: Do not ingest or take internally. Suitable for any general chemical storage.

Section 8 – Protection Information

Respiratory Protection (Specify Type): None needed under normal conditions of use with adequate ventilation. A NIOSH/MSHA chemical cartridge respirator should be worn if PEL or TLV is exceeded.

Ventilation:

Local Exhaust: Yes

Mechanical (General): Yes

Special: No

Other: No

Protective Gloves: Natural rubber, Neoprene, PVC or equivalent.

Eye Protection: Splash proof chemical safety goggles should be worn.

Other Protective Clothing or Equipment: Lab coat, apron, eyes wash, safety shower.

Section 9- Physical Data

Molecular Weight: N/A

Boiling Point: N/A

Vapor Density (Air=1): N/A

Percent Volatile by Volume: N/A

Solubility in Water: Soluble

Melting Point: N/A

Vapor Pressure: N/A

Specific Gravity (H₂O=1): N/A

Evaporation Rate (BuAc=1): N/A

Appearance and Odor: Unclear liquid

Section 10 - Reactivity Data

Stability: Stable

Conditions to Avoid: None Known

Incompatibility (Material to Avoid): Water-reactive Material

Hazardous Decomposition Product: CO_x,

Hazardous Polymerization: Will not occur

Section 11 – Toxicity Data

Toxicity Data: N/A

Effects of Overexposure:

Acute: See Section 2

Chronic: To the best of our knowledge, the toxicological properties of this mixture have not been thoroughly evaluated.

Conditions Aggravated by Overexposure: N/A

Target Organs: N/A

Primary Route(s) of Entry: Ingestion, skin and eye contact.

Section 12- Ecological Data

EPA Waste Numbers: N/A

Section 13 – Disposal Information

Waste Disposal Methods: OBSERVE ALL FEDERAL, STATE AND LOCAL ENVIRONMENTAL REGULATIONS

Section 14 – Transport Information

DOT Proper Shipping Name: Not Regulated

Section 15 – Regulatory Information

EPA TSCA Status: On TSCA Inventory

Hazard Category for SARA Section 311/312 Reporting: Acute

Name List

No

Chemical Category:

No

CERCLA Section 103 RQ(lb.): NO

RCRA Section 261.33: No

Section 16 – Additional Information

The information provided in this Material Safety Data Sheet represents a compilation of data drawn directly from various sources available to us. Biozoa Biological Supply makes representation or guarantee as to the suitability of this information to a particular application of the substance covered in the Material Safety Data Sheet. Any employer must carefully assess the applicability of any information contained herein in regards to the particular use to which the employer puts the material.

Glossary

ACGIH	American Conference of Governmental Industrial Hygienists
CAS Number	Chemical Services Abstract Number
CERCLA	Comprehensive Environmental Response, Compensation, and Liability Act
DOT	U.S. Department of Transportation
IARC	International Agency of Research on Cancer
N/A	Not Available
NTP	National Toxicology Program
OSHA	Occupational Safety and Health Administration
PEL	Permissible Exposure Limit
ppm	Parts per million
RCRA	Resource Conservation and Recovery Act
SARA	Superfund Amendments and Reauthorization Act
TLV	Threshold Limit Value
TSCA	Toxic Substances Control Act