

Safety Data Sheet

Section 1: Identification of the substance/mixture and of the company/undertaking

1.1 Product identifiers

Product name: Gelite™ 1 kb DNA Ladder
Product number: 17756

1.2 Relevant identified uses of the substance or mixture and uses advised against

Identified uses: For research use only. Not intended for diagnostic or therapeutic use.

1.3 Details of the supplier of the safety data sheet

Company: AAT Bioquest, Inc.
Address: 5775 W Las Positas Blvd, Pleasanton, CA 94588
Telephone: (408)-733-1055
Fax: (408)-733-1304
Email: info@aatbio.com

1.4 Emergency telephone number

Chemtrec (Within USA): 1-(800)-424-9300
Chemtrec (Outside USA): 1-(703)-527-3887

Section 2: Hazard identifications

2.1 Classification of the substance or mixture

Not hazardous

2.2 Label elements

Signal word: Not applicable
Hazard statements: Not applicable
Symbols/Pictograms: Not applicable
Precautionary statements - prevention: Not applicable
Precautionary statements - response: Not applicable
Precautionary statements - storage: Not applicable
Precautionary statements - disposal: Not applicable

2.3 Hazards not otherwise classified (HNOC) or not covered by GHS

Hazards not otherwise classified (HNOC): Not available

2.4 Other information

Other hazards: Not Applicable

Section 3: Composition/information on ingredients

3.1 Substances

Chemical name:	Gelite™ 1 kb DNA Ladder
CAS number:	Not available
Molecular weight:	Not applicable
Formula:	Not available

Section 4: First aid measures

4.1 First-aid measures

General advice:	If symptoms occur, seek medical advice/attention.
Eye contact:	Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.
Skin contact:	Rinse with plenty of water . Immediate medical attention is not required.
Inhalation:	Not expected to be an inhalation hazard under anticipated conditions of normal use of this material. Consult a physician if necessary.
Ingestion:	Not expected to present a significant ingestion hazard under anticipated conditions of normal use. If you feel unwell, seek medical advice.
Self-protection of the first aider:	Use personal protective equipment.

4.2 Most important symptoms and effects, both acute and delayed

Symptoms:	Most important symptoms and effects, both acute and delayed: Not Applicable
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4.3 Indication of any immediate medical attention and special treatment needed

Note to physicians:	Treat symptomatically.
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Section 5: Firefighting measures

5.1 Suitable extinguishing media

Suitable extinguishing media:	Water spray. Carbon dioxide (CO2). Foam. Dry chemical.
Unsuitable extinguishing media:	No information available.

5.2 Specific hazards arising from the chemical

Specific hazards arising from the chemical:	No information available.
Hazardous combustion products:	No information available.

5.3 Explosion data

Sensitivity to mechanical impact:	No information available.
Sensitivity to static discharge:	No information available.

5.4 Protective equipment and precautions for firefighters

Protective equipment and precautions for firefighters:	Standard procedure for chemical fires
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Section 6: Accidental release measures

6.1 Personal precautions, protective equipment, and emergency procedures

Personal precautions:	Ensure adequate ventilation Always wear recommended Personal Protective Equipment. Use personal protection equipment See Section 8 for more detail.
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6.2 Environmental precautions

Environmental precautions:	No special environmental precautions required. .
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6.3 Methods and material for containment and cleaning up

Methods for containment:	Prevent further leakage or spillage if safe to do so.
Methods for cleaning up:	Soak up with inert absorbent material.

Section 7: Handling and storage

7.1 Precautions for safe handling

Advice on safe handling:	Use personal protective equipment as required. No special handling advices are necessary.
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7.2 Conditions for safe storage, including any incompatibilities

Storage conditions:	Keep in a dry, cool and well-ventilated place. Keep in properly labeled containers.
Incompatible materials:	No information available.

Section 8: Exposure controls/personal protection

8.1 Control parameters

Exposure guidelines:	Glycerol: OSHA PEL 15 mg/m ³ 5 mg/m ³ ; OSHA PEL (Ceiling) None; ACGIH OEL (TWA) None; ACGIH OEL (STEL) None; Brazil - OEL - TWAs (LTs) None; Brazil - OEL - Ceilings None; Brazil - OEL - Skin Designations None
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8.2 Appropriate engineering controls

Engineering controls:	Ensure adequate ventilation, especially in confined areas.
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8.3 Individual protection measures, such as personal protective equipment

Eye/face protection:	Tight sealing safety goggles.
Skin and body protection:	Wear suitable protective clothing. Hand protection: Wear suitable gloves. Glove material: Compatible chemical-resistant gloves.
Respiratory protection:	In case of insufficient ventilation wear respirators and components tested and approved under appropriate government standards.
General hygiene considerations:	Handle in accordance with good industrial hygiene and safety practice

Section 9: Physical and chemical properties

Physical state:	Liquid
Solubility in water:	High
Appearance:	No information available.
Odor/odor threshold:	No data available
pH:	Mixture has not been tested
Melting point/freezing point:	°C Mixture has not been tested / °F Mixture has not been tested
Boiling point:	°C Mixture has not been tested / °F Mixture has not been tested
Flashpoint:	°C Mixture has not been tested / °F Mixture has not been tested

Liquid density:	No information available.
Evaporation rate:	No data available
Upper flammability limit:	Mixture has not been tested
Lower flammability limit:	Mixture has not been tested
Vapor pressure:	Mixture has not been tested
Vapor density:	No information available.
Specific gravity:	No data available
Water solubility:	Soluble in water
Solubility in other solvents:	No information available.
Partition coefficient:	No data available
Autoignition temperature:	°C Mixture has not been tested / °F Mixture has not been tested
Decomposition temperature:	°C Mixture has not been tested / °F Mixture has not been tested
Viscosity:	No information available.
Explosive properties:	Mixture has not been tested
Oxidizing properties:	No information available.

Section 10: Stability and reactivity

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

Section 11: Toxicological information

11.1 Information on likely routes of exposure

Inhalation:	Glycerol: LC50 (inhalation, rat/mouse) >570mg/m ³ (Rat)
Eye contact:	No information available.
Skin contact:	Glycerol: LD50 (dermal, rat/rabbit) No data available
Ingestion:	Glycerol: LD50 (oral, rat/mouse) = 12600 mg/kg Oral

11.2 Information on toxicological effects

Symptoms:	No information available.
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11.3 Delayed and immediate effects as well as chronic effects from short and long-term exposure

Chronic toxicity:	Irritation: Conclusive but not sufficient for classification. Corrosivity: Conclusive but not sufficient for classification. Sensitization: Conclusive but not sufficient for classification. STOT - Single Exposure: Conclusive but not sufficient for classification. STOT - Repeated Exposure: Conclusive but not sufficient for classification. Carcinogenicity: Conclusive but not sufficient for classification. Mutagenicity: Conclusive but not sufficient for classification. Reproductive toxicity: Conclusive but not sufficient for classification. Aspiration hazard: Conclusive but not sufficient for classification
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11.4 Numerical measures of toxicity - product information

Unknown acute toxicity:

No information available.

Section 12: Ecological information

Ecotoxicity:

Contains no substances known to be hazardous to the environment or not degradable in waste water treatment plants. Glycerol: Freshwater Algae Data No data available; Water Flea Data Daphnia magna EC50>500 mg/L (24 h); Freshwater Fish Species Data No data available; Microtox Data No data available; log Pow logPow-1.76

Persistence and degradability:

Inherently biodegradable.

Bioaccumulation:

Material does not bioaccumulate.

Mobility:

No information available.

Section 13: Disposal consideration

Disposal of wastes:

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 according to approved disposal technique. Disposal of this product, its solutions or of any by-products, shall comply with the requirements of all applicable local, regional or national/federal regulations.

Contaminated packaging:

Do not reuse container.

Other information:

None

Section 14: Transport information

DOT:

IATA / ADR / DOT-US / IMDG: Not classified as dangerous in the meaning of transport regulations. 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. Transport in bulk according to Annex II of MARPOL 73/78 and the IBC Code: Not Applicable.

IMDG:

IATA / ADR / DOT-US / IMDG: Not classified as dangerous in the meaning of transport regulations. UN number: Not Applicable; UN proper shipping name: Not Applicable; Transport hazard class(es): Not Applicable; Packing group: Not Applicable.

IATA:

IATA / ADR / DOT-US / IMDG: Not classified as dangerous in the meaning of transport regulations. UN number: Not Applicable; UN proper shipping name: Not Applicable; Transport hazard class(es): Not Applicable; Packing group: Not Applicable.

Section 15: Regulatory information

15.1 International Inventories

US Toxic Substances Control Act (TSCA):

Glycerol 56-81-5 (40 - 70) - US TSCA: Listed

Canada (DSL/NDSL):

Not listed

Europe (EINECS/ELINCS/NLP):

Not listed

Australia (AICS):

Not listed

South Korea (KECL):

Not listed

China (IECSC):	Not listed
Japan (ENCS):	Not listed
Phillipines (PICCS):	Not listed

15.2 US Federal Regulations

SARA 313:	This product is not regulated by SARA.
SARA 311/312 components:	Not listed
CWA (Clean Water Act):	No information available.

15.3 US State Regulations

California Proposition 65:	This product does not contain any Proposition 65 chemicals.
Massachusetts-RTK:	Not listed
New Jersey-RTK:	Not listed
Pennsylvania-RTK:	Not listed
U.S. State Right-To-Know Regulations:	Clean Air Act, Section 112 Hazardous Air Pollutants (HAPs) (see 40 CFR 61): This product does not contains HAPs. WHMIS Hazard Class: Non-controlled. National Regulations - Brazil: Glycerol 56-81-5; Brazil - National Agency for Sanitary Surveillance (ANVISA) Not Listed; Brazil - National List of Carcinogen Agents to Humans (LINACH) Not Listed

Section 16: Other information

16.1 HMIS

Health hazards:	Not determined
Flammability:	Not determined
Reactivity:	Not determined
Personal protection:	Not determined

16.2 NFPA

Health hazards:	Not determined
Flammability:	Not determined
Stability:	Not determined
Physical and chemical properties:	Not determined

16.3 Further information

This material is sold for research purposes only and is not required to appear on the TSCA inventory. It is not intended for food, drug, household, agricultural or cosmetic use. Its use must be supervised by a technically qualified individual experienced in handling potentially hazardous chemicals. The above information is believed to be correct but does not purport to be all-inclusive and shall be used only as a guide. Users should make independent decisions regarding the completeness of the information based on all sources available. AAT Bioquest shall not be held liable for any damage resulting from handling or from contact with the above product.