

Safety Data Sheet

Section 1: Identification

Product identifier

Product Name: 5X sample buffer

Product Code: MB01015

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

Recommended use: Hazard Communication & Compliance

Details of the supplier of the safety data sheet

Manufacturer: GenScript
860 Centennial Ave.
Piscataway, NJ 08854 United States

www.genscript.com

product@genscript.com

Telephone (General): 1-732-885-9188

Emergency telephone number Chemtrec 1-800-424-9300 (USA/Canada), +1-703-527-3887 (Intl)

Manufacturer: 1-877-436-7274

Section 2: Hazards identification

According to OSHA 29 CFR 1910.1200 HCS

Emergency Overview: sepharose suspenstion. Toxicological properties of components have not been fully investigated.

Health Effects: Not classified

Inhalation: Not known to present an inhalation hazard under normal use.

Skin: Causes skin irritation

Eyes: Causes serious eye irritation

Ingestion: May be harmful if swallowed.

Chronic Effects/Target Organ Effects: None known.

Medical Conditions Aggravated By Exposure: None known.

Environmental Effects: None known.

Section 3 - Composition/Information on Ingredients

Chemical Name	CAS-No	EINECS-No	Weight %
SDS	151-21-3	205-788-1	10
Tris	77-86-1	201-064-4	1.5
Glycerol	56-81-5	200-289-5	50
2-Mercaptoethanol	60-24-2	200-464-6	10

The product contains no substances which at their given concentration, are considered to be hazardous to health.

Section 4: First-Aid Measures Description of first aid measures

Inhalation	Remove the victim into fresh air. Respiratory problems: consult a doctor/medical service. Assure fresh air breathing. Allow the victim to rest.
Skin	Rinse with water. Soap may be used. Take victim to a doctor if irritation persists. Remove affected clothing and wash all exposed skin area with mild soap and water, followed by warm water rinse.
Eye	Rinse cautiously with water for several minutes. Rinse with water. Do not apply neutralizing agents. Take victim to an ophthalmologist if irritation persists. Remove contact lenses, if present and easy to do. Continue rinsing. If eye irritation persists: Get medical advice/attention.
Ingestion	Rinse mouth with water. Immediately after ingestion: give lots of water to drink. Call Poison Information Centre (www.big.be/antigif.htm). Consult a doctor/medical service if you feel unwell. Ingestion of large quantities: immediately to hospital. Rinse mouth. Do NOT induce vomiting. Obtain emergency medical attention.

Section 5: Fire-Fighting Measures Extinguishing media

Extinguishing Media: Water spray. Alcohol-resistant foam. Dry chemical powder. Carbon dioxide. Dry sand. Foam. Dry powder. Carbon dioxide. Water spray. Sand.

Special Exposure Hazards INDIRECT EXPLOSION HAZARD. Reactions with explosion hazards: see "Reactivity Hazard".

Special Protective Equipment: Heat/fire exposure: compressed air/oxygen apparatus. Do not enter fire area without proper protective equipment, including respiratory protection.

Section 6 - Accidental Release Measures Personal precautions, protective equipment and emergency procedures

Personal Precautions	Gloves. Protective clothing.
Emergency Procedures	Mark the danger area. No naked flames. Wash contaminated clothes. In case of reactivity hazard: consider evacuation. Evacuate unnecessary personnel.
Environmental precautions	Prevent entry to sewers and public waters. Notify authorities if liquid enters sewers or public waters.

Section 7 - Handling and Storage Precautions for safe handling

Handling: Wash hands and other exposed areas with mild soap and water before eat, drink or smoke and when leaving work. Provide good ventilation in process area to prevent formation of vapor.

Storage: Store refrigerated at -20°C.

Specific Uses: For R&D/experimental use only; Electrophoresis precast gels.

Section 8 - Exposure Controls/Personal Protection

Personal protective equipment	Avoid all unnecessary exposure.
Hand protection	Wear protective gloves.
Eye protection	Chemical goggles or safety glasses.
Respiratory protection	Wear approved mask.
Other information	When using, do not eat, drink or smoke.

Section 9 - Physical and Chemical Properties

General information

Form	Liquid
Appearance	Blue
Odor	No data available
Odor Threshold	No data available
Boiling point / boiling range	No data available

Melting point / melting range	No data available
Flash point:	No data available
Autoignition Temperature	No data available
Oxidizing properties	No data available
Water solubility	No data available

Section 10: Stability and Reactivity

Reactivity

No additional information available

Chemical stability

Stable under normal conditions.

Possibility of hazardous reactions

Not established.

Conditions to avoid

Direct sunlight. Extremely high or low temperatures.

Incompatible materials

No additional information available

Hazardous decomposition products

None.

Section 11 - Toxicological Information

None available for the product.

Section 12 - Ecological Information

Ecotoxicity No data available.

Mobility No data available.

Biodegradation

No data available.

Bioaccumulation

Partition coefficient: n-octanol/water: no data available

Section 13 - Disposal Considerations Waste treatment methods

Product waste: Dispose according to local legislation. Consult the appropriate local waste disposal expert about waste disposal.

Packaging waste: Dispose according to local legislation. Handle contaminated packages in the same way as the substance itself.

Section 14 - Transport Information

Product Name: 5 X sample buffer

Not known to be hazardous for transport.

Section 15 - Regulatory Information

Safety, health and environmental regulations/legislation specific for the substance or mixture

US Regulations:

This product meets the following SARA 311/312 hazard categories: none.

This product contains the following SARA 302 Extremely Hazardous Substances: none.

This product contains the following SARA 313 Toxic Chemicals: none.

This product contains the following CERCLA Hazardous Substances: none.

The components of this product are listed on TSCA.

EU Regulations:

This product does not meet the classification and labeling criteria under 1999/45/EC as a dangerous preparation.

The components of this product are listed on the European Inventory of Existing Chemical Substances (EINECS) or meet the polymer exemption.

Canadian Regulations:

This MSDS has been prepared according to the hazard criteria of the Controlled Products Regulations (CPR) and it contains the information required by the CPR.

This product meets WHMIS classification D2B.

Components of this product are listed on the DSL.

Section 16 - Other Information

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