

Safety Data Sheet

Section 1: Identification

Product identifier**Product Name:** GST Tag ELISA Detection Kit**Product Code:** L00411**Relevant identified uses of the substance or mixture and uses advised against****Recommended use:** Hazard Communication & Compliance**Components:**

L00411-1	GST Capture Plate
L00411-2	Sample Dilution Buffer
L00411-3	Biotin-GST Mab Stock
L00411-4	Antibody Dilution Buffer
L00411-5	Streptavidin-HRP
L00411-6	GST Protein Stock (1.0 mg/ml)
L00411-7	20 X Wash Solution
L00411-8	TMB Substrate
L00411-9	Stop Solution
L00411-10	Adhesive Plate Cover

Details of the supplier of the safety data sheet**Manufacturer:** GenScript

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www.genscript.comproduct@genscript.com**Telephone (General):** 1-732-885-9188**Emergency telephone number****Manufacturer:** 1-877-436-7274**860 Centennial Ave., Piscataway, NJ 08854, USA**

Section 2: Hazards identification

According to OSHA 29 CFR 1910.1200 HCS

Emergency Overview:	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:	May cause skin irritation in susceptible persons.
Eyes:	May cause eye irritation with susceptible persons.
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

Components	CAS-No	EINECS-No	Weight %
Hydrochloric Acid	9004-54-0	231-595-7	2.63
TMB Substrate	54827-17-7	259-364-6	0.05
ProClin 300	96118-96-6	613-267-00-5	0.03
Hydrogen Peroxide	7722-84-1	231-765-0	<30%

Section 4: First-Aid Measures Description

Inhalation: Follow standard care for a respiratory emergency as necessary. Remove to fresh air. If not breathing, give artificial respiration. If breathing is difficult, give oxygen. Get medical attention immediately.

Skin: Follow standard care for skin contact as needed. Immediately wash thoroughly with soap and water. Remove contaminated clothing and shoes. Get medical attention if symptoms develop. Wash clothing and shoes before reuse, or discard in a manner which limits further exposure.

Eye: In case of contact, immediately flush eyes with plenty of water for at least 15 minutes. Get medical attention immediately if irritation persists.

Ingestion: If swallowed, get medical attention immediately. Do not induce vomiting unless directed to do so by medical personnel. Never give anything by mouth to an unconscious person.

Section 5: Fire-Fighting Measures

Extinguishing Media: Dry chemical, fire-fighting foam, water spray, or carbon dioxide.

Special Exposure Hazards: This product is water-based and is expected to present a negligible fire hazard. However, under fire conditions the residual organic components can burn generating toxic and irritating gases and/or smoke. Evacuate area and fight fire from safe distance.

Special Protective Equipment: Wear approved pressure-demand self-contained breathing apparatus and full protective gear.

Section 6 - Accidental Release Measures

Personal Precautions: Evacuate surrounding areas. Keep unnecessary and unprotected personnel from entering. Do not touch or walk through spilled material. Avoid breathing vapor or mist. Provide adequate ventilation. Wear appropriate respirator when ventilation is inadequate. Put on appropriate personal protective equipment.

Emergency Procedures: As an immediate precautionary measure, isolate spill or leak area for at least 50 meters (150 feet) in all directions. ELIMINATE all ignition sources (no smoking, flares, sparks or flames in immediate area) Keep out of low areas. Keep unauthorized personnel away.

Methods for cleaning up: Sweep up, place in a bag and hold for waste disposal. Avoid raising dust. Ventilate area and wash spill site after material pickup is complete.

Environmental precautions: No special environmental precautions required

Section 7 - Handling and Storage

- Handling:** Use with adequate ventilation as desired. Wash thoroughly after handling. Remove contaminated clothing and wash before reuse. Follow all MSDS/label precautions. Avoid contact with skin and eyes.
- Storage:** Store at 2-8°C. Do not freeze.
- Specific Uses:** For R&D experimental use only;

Section 8 - Exposure Controls/Personal Protection

- Exposure Limit Values:** None established
- Exposure Controls:** Use process enclosures, local exhaust ventilation, or other engineering controls as needed.
- Respiratory Protection:** Not expected to be required. However, if used, consult with respirator manufacturer to determine respirator selection, use, and limitations.
- Eye/Face Protection:** Use safety glasses. Where contact with the eyes is likely, use chemical goggles.
- Skin/Hand Protection:** Use chemical gloves as needed. Use of a lab coat or equivalent is recommended to minimize contact with clothing and skin as a good hygiene practice.

Section 9 - Physical and Chemical Properties

Appearance:	Physical State	Color
GST Capture Plate	Solid	White
Sample Dilution Buffer	Liquid	Colorless
Biotin-GST Mab Stock	Liquid	Colorless
Antibody Dilution Buffer	Liquid	Colorless
Streptavidin-HRP	Liquid	Colorless
GST Protein Stock (1.0 mg/ml)	Liquid	Colorless
20 X Wash Solution	Liquid	Colorless
TMB Substrate	Liquid	Colorless
Stop Solution	Liquid	Colorless
Adhesive Plate Cover	Solid	White
Odor:	Odorless	
Flash point:	Not available	
Viscosity:	Not available	
Solubility:	Not available	
Density (water =1):	Not available	
Partition coefficient:	Not available	
Boiling point:	Not available	
Melting point:	Not available	
pH:	Not available	
Other:	Not available	

Section 10: Stability and Reactivity

Stability:	Stable.
Conditions To Avoid:	None.
Materials To Avoid:	None.
Hazardous Decomposition Products:	None.

Section 11 - Toxicological Information

None available for the product.

Section 12 - Ecological Information

Ecotoxicity:	Contains no substances known to be hazardous to the environment or not degradable in waste water treatment plants.
Mobility:	No information available.
Biodegradation:	Inherently biodegradable.
Bioaccumulation:	Material does not bioaccumulate.

No Ecological information is available.

Section 13 - Disposal Considerations

Product waste:	Dispose of content and/or container in accordance with local, regional, national, and/or international regulations.
Packaging waste:	Dispose of content and/or container in accordance with local, regional, national, and/or international regulations.

Section 14 - Transport Information

Proper Shipping Name:	No dangerous good in sense of these transport regulations
Hazard Class:	None
Subsidiary class:	None
Packing group:	None
UN-No:	None

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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