

Chemical Identification

Product Name: Fluoro - GST™
Catalog No: GSTR100-2

Section 1: Identification

Components:

1. **Glutathione S-Transferase Standard (Part# 90041)** Store at 2-8°C upon arrival.
2. **GST Detection Reagent (Part# 90037)** Store at 2-8°C upon arrival.
3. **Glutathione (GSH) (Part# 90040)** Store at 2-8°C upon arrival.
4. **DRY DMSO (Part# 90038)** Store at 2-8°C upon arrival.
5. **Assay Buffer (Part# 90039)** Store at 2-8°C upon arrival.
6. **Black Half Area Plate (Part# 90036)** Store at 2-8°C upon arrival.

Section 2: Hazard Identification

May be harmful if inhaled, absorbed through skin or swallowed. May be irritating to eyes, respiratory system and skin. Harmful to aquatic organisms, may cause long-term adverse effects in aquatic environment.

Hazardous Ingredients

Chemical Name	CAS #	Part#	Percent	SARA 313
Dimethyl sulfoxide	67-68-5	90038	100%	No

Information on other specific chemicals of this kit is being withheld as a trade secret of the manufacturer.

Section 3: First Aid Measures

Inhalation: If inhaled, remove to fresh air.

SKIN: Wash exposed area with soap and water. If irritation persists, seek medical attention.

EYES: Rinse eyes with water as a precaution

INGESTION: If swallowed, wash out mouth with water if person is conscious.

Section 4: Fire Fighting Measures

Fire Extinguisher Type:	Any means suitable for extinguishing surrounding fire.
Fire/Explosion Hazards:	Thermal Decomposition produces highly toxic fumes.
Fire Fighting Procedure:	Wear self-contained breathing apparatus and protective clothing to prevent contact with skin and clothing.

	Dimethyl sulfoxide Part# 90388
Flash Point	87°C (189.2°F) – closed cup
Explosion Limits	N/A
Auto-Ignition Temp	301°C (574°F)
Flammability	N/A
Extinguishing Media	Suitable: Water Spray, alcohol-resistant foam, carbon dioxide, or dry chemical.
Firefighting	Protective Equipment: Wear self-contained breathing apparatus if necessary.

Section 5: Handling and Storage

Handling	Avoid getting components of this kit on you or in you. Do not breathe vapor. Always work with chemicals in fume hood. Wear appropriate protective clothing. Always wash hands and other exposed areas thoroughly after using this kit. Do not eat or drink while using this kit. Qualified and experienced professionals should only handle this kit.
Storage	Store according to the package insert instructions.

Section 6: Exposure Controls and Personal Protection

Engineering Controls	No special engineering controls are required when working with this kit. Use with adequate ventilation. Work with chemicals in fume hood.
Protective Equipment	Safety glasses are recommended to prevent eye contact. Chemical resistant gloves and a lab coat should be worn.

Section 7: Accidental Release Measures

Cleanup Procedures	Wear appropriate protective clothing. Avoid breathing vapors, mist or gas. Contain spill to prevent migration. Wipe up spill, place in suitable, closed container for appropriate disposal. Wash area of spill with soap and water.
Waste Disposal	Dispose of in accordance with Federal, State and Local regulations.

Section 8: Physical and Chemical Properties

	Dimethyl sulfoxide Part# 90388
Appearance	Clear, colorless liquid
Odor	Slight
Boiling Point	189°C (372°F) at 1,013 hPa (760 mmHg)
Melting Point	18.4°C (65.1°F)
Density	1.1g/cm ³
Vapor Pressure	0.55 hPa (0.41 mmHg) at 20°C (68°F)
Solubility in Water	Complete
pH	N/A

Section 9: Stability and Reactivity

Stability	This material is stable until the expiration date on the kit if stored as directed.
Condition to Avoid	Moisture.
Incompatibilities	Strong oxidizing or reducing agents, acid chlorides, phosphorus halides, strong acids.

Section 10: Toxicological Information

Route of Exposure

Skin Contact	May cause skin irritation.
Skin Absorption	May be harmful if absorbed through the skin.
Eye Contact	May cause eye irritation.
Inhalation	May be harmful if inhaled. May be irritating to respiratory tract.
Ingestion	May be harmful if swallowed.
Symptoms of Exposure	To the best of our knowledge, the chemical, physical, and toxicological properties have not been thoroughly investigated.

Section 11: Ecological Information

No data is available.

Section 12: Disposal Considerations

Dispose of waste materials, unused components and contaminated packaging in compliance with country, state, district and local regulations. If unsure of the applicable requirements, contact the authorities for information.

Section 13: Transport Information

U.S. and Canadian Transportation; DOT

Proper Shipping Name - Chemical Kits
UN Identification Number - 3316
Class and Description - 9, Miscellaneous
Packing Group - N/A
Hazard Label - Class 9

International Air Transportation (IATA)

Proper Shipping Name - Chemical Kits
UN Identification Number - 3316
Class and Description - 9, Miscellaneous
Packing Group III
Hazard Label - Class 9

Section 14: Regulatory Information

Product related information

The product is not subject to classification according to the sources of literature known to us. Observe general safety regulations when handling chemicals.

Safety Statements

Avoid release to the environment.

Risk Statements:

Harmful if swallowed. Harmful to aquatic organisms, may cause long-term adverse effects in the aquatic environment.

U.S. Regulatory Information:

Sara Listed: No, none of the materials contained in this product are subject to SARA 313 Reporting requirements.

DISCLAIMER

For Research Use Only. Not for diagnostic, therapeutic, or other uses.

WARRANTY

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