

Material Safety Data Sheet

Section 1. Product and Company Identification

Product Name: SDS Sample Loading Buffer

Catalog Number: none

Manufacturer: OriGene Technologies, Inc. Six Taft Court, Suite 100, Rockville, MD 20850, USA

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Validation Date: 01/02/09

MSDS# OTIVB0109

Component/Item (and Parts number if listed)

2% SDS (sodium dodecyl sulfate) (151-21-3)

62.5mM Tris-HCl (77-86-1)

5% Glycerol (56-81-5)

0.001% Bromphenol blue (115-39-9)

2.5% 2-Mercaptoethanol (60-24-2)

Section 2. Composition and Information on Hazardous (OSHA) Ingredients

The components of this product are considered hazardous. As yet, the chemical, physical, and toxicological properties of these products have not been thoroughly investigated. These products are provided as a solution of small amounts of the above components this MSDS is written to apply to general reagents.

Section 3. Hazards Identification

Review approved and the most current institutional guideline, protocol, SOP(s) and MSDS(s) for the proper handling of institutional materials/equipment associated with the use of this BCI product.

Primary Routes of Entry:

Skin Absorption (**No**); Dermal/skin contact (**Yes**); Eye contact (**Yes**); Inhalation (**No**); Ingestion (**Yes**); Chronic Exposure (**No**).

Medical Conditions Aggravated by Exposure: Not available.

Potential Acute Health Effects: Adverse health effects are not expected from the use of this product.

Carcinogenic Effects: Not listed by NTP, IARC or OSHA.

Mutagenic Effects: Not available. **Teratogenic Effects:** Not available.

Section 4. First Aid Measures

Emergency First Aid Procedures: Wash affected area with water for at least 15 minutes. See physician.

Section 5. Fire Fighting Measures

Special Fire Fighting: N/A

Section 6. Accidental Release Measures

If released or spilled Absorb on neutral material. Wash area thoroughly.

Section 7. Handling and Storage

Keep at -20° C (See User's Manual for detailed storage information).

Section 8. Exposure Controls and Personal Protection

Effects of Overexposure: N/A **Respiratory Protection:** None needed
Ventilation: General ventilation **Protective Glove:** General lab safe gloves
Eye Protection: Use general eye protection-goggles.
Handling and Storage: Wear appropriate protective clothing and gloves. Store in cold.

Section 9. Physical and Chemical Properties

Appearance: Solution
Boiling Point: N/A
Specific Gravity: N/A
Vapor Density & Pressure: N/A
Solubility in H₂O: Soluble

Section 10. Stability and Reactivity

Stability and Reactivity: The product is stable
Incompatibility: N/A
Hazardous Decomposition Products: N/A

Section 11. Toxicological Information

N/A

Section 12. Ecological Information

The product itself and its products of degradation are not toxic.

Section 13. Disposal Considerations

Please consult local, state and federal regulation on additional guidance on disposal.

Section 14. Transport Information

Contact OriGene for all transport information.

Section 15. Regulatory Information

N/A.

Section 16. Other Information

Validated by OriGene Safety Office on 01/02/2009. Verified by OriGene Administration and Printed on 01/02/2009.

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