

Material Safety Data Sheet

Section 1. Product and Company Identification

Product Name: TurboFectin Transfection Reagent

Catalog Number: TF81001, TF81005

Manufacturer: OriGene Technologies, Inc. 9620 Medical Center Drive, Suite 200, Rockville, MD 20850, USA

Contact: 888-267-4436 (Tel) or 301-340-8606 (Fax), techsupport@origene.com, www.origene.com

Validation Date: 11/06/09

MSDS# OTITC0407

Component/Item (and Parts number if listed)

Transfection Reagent as a solution of Ethanol in individual eppendorf tubes

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

All components of the products are considered non-hazardous. As yet, the chemical, physical, and toxicological properties of these products have not been thoroughly investigated. These products are provided as a solution in ethanol and this MSDS is written to apply to denatured ethanol.

Component	CAS#	Hazard	Weight %
Ethanol	64-17-5	Highly toxic, Flammable	80.0
Water	7732-18-5	N/A	20.0

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

Fire Extenquishing Media: Use water, alcohol foam, dry chemical or CO2

Special Fire Fighting Procedures: Avoid breathing vapors. Use self-contained breathing apparatus.

Firefighters should wear proper protective equipment

Unusual Fire and Explosion Hazards: None

Section 6. Accidental Release Measures

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

Section 7. Handling and Storage

See User's Manual for 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: Clear Solution.

Boiling Point: 78°C

Specific Gravity: 0.816

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

TLV: 1000 ppm

PEL: N/A

Oral Rat LD50:

Carcinogenicity:

7060 mg/kg

Unknown

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 for additional guidance on disposal.

Section 14. Transport Information

Contact OriGene for all transport information.

AIR (ICAO)

Proper shipping Name: Ethyl Alcohol

Hazard Class: 3

Packing Group: II

Labels: Flammable Liquid

Section 15. Regulatory Information

N/A.

Section 16. Other Information

Validated by OriGene Safety Office on 11/06/09. Verified by OriGene Administration and Printed on 11/06/09.

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N/A - Not applicable or no information available.