

FLINN SCIENTIFIC, INC.

Safety Data Sheet (SDS)

SDS #: 311.80

Revision Date: January 16, 2014

SECTION 1 — CHEMICAL PRODUCT AND COMPANY IDENTIFICATION

DNA Samples

Flinn Scientific, Inc. P.O. Box 219, Batavia, IL 60510 (800) 452-1261

CHEMTREC Emergency Phone Number: (800) 424-9300

Signal Word N/A

Pictograms

SECTION 2 — HAZARDS IDENTIFICATION

This chemical is considered nonhazardous according to GHS classifications for the Hazard Communication Standard. Treat all laboratory chemicals with caution.

Although this material is considered to be nonhazardous, unpredictable reactions among chemicals are always possible. Prudent laboratory practices should be observed.

The digested Lambda DNA markers are nonpathogenic.

SECTION 3 — COMPOSITION, INFORMATION ON INGREDIENTS

| Component Name | CAS Number | Formula | Formula Weight | Concentration |
|----------------------------------|------------------|--|----------------|---------------|
| Ethylenediamine tetraacetic acid | 60-00-4 | C ₁₀ H ₁₆ N ₂ O ₈ | 292.25 | <0.1% |
| Bromphenol blue, sodium salt | 62625-28-9 | C ₁₉ H ₉ Br ₄ O ₅ SNa | 691.67 | <0.1% |
| Xylene cyanole | 2650-17-1 | C ₂₅ H ₂₇ N ₂ NaO ₆ S ₂ | 538.61 | <0.1% |
| Tris(hydroxymethyl)aminomethane | 77-86-1 | (CH ₂ OH) ₃ CNH ₂ | 121.14 | 0.3% |
| Sucrose | 57-50-1 | C ₁₂ H ₂₂ O ₁₁ | 342.31 | 13% |
| Water | 7732-18-5 | H ₂ O | 18.00 | >76% |
| Digested lambda DNA markers | None established | Unspecified | Unspecified | <0.1% |

SECTION 4 — FIRST AID MEASURES

Call a POISON CENTER or physician if you feel unwell.

If inhaled: Remove victim to fresh air and keep at rest in a position comfortable for breathing.

If in eyes: Rinse cautiously with water for several minutes. Remove contact lenses if present and easy to do so. Continue rinsing.

If on skin: Wash with plenty of water.

If swallowed: Rinse mouth. Call a POISON CENTER or physician if you feel unwell.

SECTION 5 — FIRE FIGHTING MEASURES

Nonflammable, noncombustible solution.

In case of fire: Use a tri-class dry chemical fire extinguisher.

NFPA CODE
None
established

SECTION 6 — ACCIDENTAL RELEASE MEASURES

Wipe the spill with an absorbent towel. See Sections 8 and 13 for further information.

SECTION 7 — HANDLING AND STORAGE

Flinn Suggested Chemical Storage Pattern: Organic Miscellaneous. Keep frozen.

SECTION 8 — EXPOSURE CONTROLS, PERSONAL PROTECTION

Wear protective gloves, protective clothing, and eye protection. Wash hands thoroughly after handling.

SECTION 9 — PHYSICAL AND CHEMICAL PROPERTIES

Dark purple liquid. Odorless.

Not human DNA.

Soluble: Water. The Lambda DNA was completely digested by various restriction enzymes, phenol extracted, ethyl alcohol precipitated, and dissolved in EDTA. Approximately 0.05 mg DNA/mL.

SECTION 10 — STABILITY AND REACTIVITY

Shelf life: 3-6 months at room temperature. Indefinite if stored at -20 °C.

SECTION 11 — TOXICOLOGICAL INFORMATION

Acute effects: N.A.

ORL-RAT LD₅₀: N.A.

Chronic effects: N.A.

IHL-RAT LC₅₀: N.A.

Target organs: N.A.

SKN-RBT LD₅₀: N.A.

N.A. = Not available, not all health aspects of this substance have been fully investigated.

SECTION 12 — ECOLOGICAL INFORMATION

Data not yet available.

SECTION 13 — DISPOSAL CONSIDERATIONS

Please review all federal, state and local regulations that may apply before proceeding.

Flinn Suggested Disposal Method #26b is one option.

SECTION 14 — TRANSPORT INFORMATION

Shipping name: Not regulated. Hazard class: N/A. UN number: N/A.

N/A = Not applicable

SECTION 15 — REGULATORY INFORMATION

Not listed.

SECTION 16 — OTHER INFORMATION

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Consult your copy of the *Flinn Science Catalog/Reference Manual* for additional information about laboratory chemicals.

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