
MATERIAL SAFETY DATA SHEET

Date Revised: November 8, 2010

1. PRODUCT AND COMPANY INFORMATION

Product Name: ROX Reference Dye
Catalog Number: 29052
Unit Size: 5 x 1 mL
Manufacturer/Supplier: Biotium, Inc.
3159 Corporate Place, Hayward, CA 94545, USA
Phone: 1-510-265-1027, Fax: 1-510-265-1352
Web: <http://www.biotium.com>
Emergency Phone: 1-510-589-7179

2. COMPOSITION AND INFORMATION ON INGREDIENTS

Molecular Formula: The dye is composed of a 25 µM solution in 10mM Tris-HCL (pH 8.6), 0.1 mM EDTA, and 0.01% Tween®-20.
Molecular Weight: Not applicable
CAS Number/Name: Not applicable

3. HAZARDS IDENTIFICATION

Emergency Overview: Handle with care—substance has not been fully tested.

POTENTIAL HEALTH EFFECTS

Inhalation: May cause irritation to respiratory tract
Ingestions: May be harmful if swallowed
Skin: May cause skin irritation
Eyes: May cause eye irritation
Chronic Exposures: Not available
Target Organs: Not available

4. FIRST AID MEASURES

Oral Exposure

If swallowed, wash out mouth with water provided person is conscious. Call a physician.

Inhalation Exposure

If inhaled, remove to fresh air. If breathing becomes difficult, call a physician.

Dermal Exposure

In case of contact, immediately wash skin with soap and copious amounts of water.

Eye Exposure

In case of contact with eyes, flush with copious amounts of water for at least 15 minutes. Assure adequate flushing by separating the eyelids with fingers. Call a physician.

5. FIRE FIGHTING MEASURES

Use carbon dioxide, dry chemical extinguishers, foam extinguishers or water. An approved self-contained breathing apparatus and protective clothing are recommended.

6. ACCIDENTAL RELEASE MEASURES

Use appropriate protective equipment and methods to clean up spilled substance promptly. Absorb spill onto an appropriate material. Collect and dispose of all waste in accordance with applicable laws.

7. HANDLING AND STORAGE

Storage

Store desiccated at -20°C. Avoid long-term light exposure.

Handling

User exposure: Do not breathe vapor. Avoid contact with eyes, skin, and clothing. Avoid prolonged or repeated exposure. Under no circumstances eat, drink, or smoke while handling this material. Wash hands and face thoroughly after working with material. Contaminated clothing should be removed and washed before re-use.

Recommended: Use original container

8. EXPOSURE CONTROLS AND PERSONAL PROTECTION

Gloves, protective clothing and eyewear should be worn and safe laboratory practices followed. Use in a well ventilated area.

9. PHYSICAL AND CHEMICAL PROPERTIES

Form:	Liquid
Odor:	Not available
Solubility in Water:	High
Specific Gravity:	Not available
pH:	Not available
Boiling Point:	Not available
Melting Point:	Not available
Flash Point:	Not available
Vapor Pressure:	Not available

10. STABILITY AND REACTIVITY

Stability:

Thermal Decomposition: No decomposition if used according to specifications

Dangerous Reactions: No dangerous reactions identified

Dangerous Products of Decomposition: No dangerous decomposition products identified

11. TOXICOLOGICAL INFORMATION

Routes of Exposure: Multiple routes: May cause irritation. May be harmful by inhalation, ingestion, or skin absorption.

RTECS Number: Not available

Toxicity: Not available

Carcinogenicity: Not listed by NTP, IARC or OSHA

12. ECOLOGICAL INFORMATION

Do not allow product to enter drinking water supplies, wastewater or soil. Adverse ecological effects cannot be excluded in the event of improper handling or disposal.

13. DISPOSAL CONSIDERATIONS

Consult local, state or national regulations for proper disposal. Chemical residues are generally classified as hazardous or special waste, and as such are covered by regulations, which vary according to location. Contact your local waste disposal authority for advice, or pass to a chemical disposal company.

14. TRANSPORT INFORMATION

DOT

Hazards Class: Not available

UN Number: Not available

Packing Group: Not classified

Proper Shipping Name (Technical Name): Not available

IATA

Hazardous for air Transport: Non-Hazardous for air transport.

15. REGULATIONS

US Regulations

SARA Listed: Not regulated

US Toxic Substances Control Act (TSCA): Not listed

US Other: Not applicable

EU Regulations

EEC EINECS Number: Not identified

EEC Risk Statements: None identified

EEC Safety Statements: None identified

Other Country Regulations: None identified

16. OTHER INFORMATION

Disclaimer: The information provided above is believed to be correct to our best knowledge, but does not purport to be all inclusive, and shall be used only as a guide. This material is sold for research purposes only and is not required to appear on the TSCA inventory. It is not intended for food, drug, household, agricultural or cosmetic use. Its use must be supervised by a technically qualified individual experienced in handling potentially hazardous chemicals. Biotium shall not be held liable for any damage resulting from handling or contact with the above product.