

MATERIAL SAFETY DATA SHEET

Date Revised: February 19, 2010

PRODUCT AND COMPANY INFORMATION

Product Name: EvaEZ Fluorometric DNA Polymerase Activity Assay
Catalog Number: 29051
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>

COMPOSITION AND INFORMATION ON INGREDIENTS

Hazardous/Non-hazardous Components: dimethyl sulfoxide
Weight: 1-5%
CAS Number/Name: 67-68-5

HAZARDS IDENTIFICATION

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

POTENTIAL HEALTH EFFECTS

Inhalation: High concentrations: May cause irritation to respiratory system.
Ingestions: May be harmful if swallowed.
Skin: Moderate skin irritation.
Eyes: Mild eye irritation
Chronic Exposures: May cause damage to the liver and kidneys
Target Organs: Eye, skin, respiratory system, kidney, liver

FIRST AID MEASURES

Potentially harmful; avoid prolonged or repeated exposure. Wash your hands thoroughly after handling. If eye or skin contact occurs, wash affected areas with water for 15 minutes and seek medical advice. If inhaled, move individual to fresh air and seek medical advice. If swallowed, seek medical advice. Treat symptomatically

FIRE FIGHTING MEASURES

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

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. Clean up with soap and water.

HANDLING AND STORAGE

HANDLING: User Exposure: Avoid contact with eyes, skin and clothing. **STORAGE:** Suitable: keep tightly closed. Stored at - 20^o C.

EXPOSURE CONTROLS AND PERSONAL PROTECTION

Gloves, protective clothing and eyewear should be worn and safe laboratory practices followed.

ACGIH/OSHA Permissible Exposure Limit Data: Dimethylsulfoxide (Vapor and mist) 250 ppm, Type; TWA

PHYSICAL AND CHEMICAL PROPERTIES

Form: Liquid
Odor: No data available
Solubility in Water: Soluble

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Specific Gravity: No data available
pH: Not applicable
Boiling Point: No data available
Melting Point: No data available
Flash Point: No data available
Vapor Pressure: No data available

STABILITY AND REACTIVITY

Thermal Decomposition: No decomposition if used according to specifications
Dangerous Reactions: No dangerous reactions identified
Dangerous Products of Decomposition: No dangerous decomposition products identified

TOXICOLOGICAL INFORMATION

RTECS Number: None known
Toxicity: LD50 (oral, rat): 14500 mg/kg, LD50 (dermal, rat): 40g/kg.
Health Hazards: May enter the body through inhalation, ingestion, and eye and skin contact.
Potential Hazards: No information available
Carcinogenicity: No information available

ECOLOGICAL INFORMATION

The product is not classified as environmentally hazardous. However, this does not exclude the possibility that large or frequent spills can have a harmful or damaging effect on the environment.

DISPOSAL CONSIDERATIONS

Consult local, state or national regulations for proper disposal.

TRANSPORT INFORMATION

Hazards Class: No information available
Identification Number: No information available
Packing Group: Not classified
Proper Shipping Name (Technical Name): No information available

REGULATIONS

International inventories:
Dimethylsulfoxide is listed on TSCA, PICCS, ENCS, DSL, AICS
US Regulations:
CERCLA Hazardous Substance List (40 CFR 302.4): Not regulated.
Section 302 Extremely Hazardous Substances (40 CFR 355, Appendix A): Not regulated.
Section 313 Toxic Release Inventory (40 CFR 372): Not regulated.
Clean Air Act (CAA) Section 112(r) Accidental Release Prevention (40 CFR 68.130): Not regulated.
Clean Water Act Section 311 Hazardous Substances (40 CFR 117.3): Not regulated.
Drug Enforcement Act: Not regulated.
State Regulations:
California Proposition 65: This product does not contain chemicals listed under Proposition 65
WHMIS hazard class:
B3 Combustible liquid

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.