



MATERIAL SAFETY DATA SHEET

HotStart PCR Master Mix
Cat. No. DP-008-0250/DP-008-2500

COMPANY DETAILS

Company: eENZYME LLC
Address: 401 Professional Drive, Suite 160
Gaithersburg, MD 20879
Telephone Number: 1-240-683-5851
Fax Number: 1-240-683-5852

IDENTIFICATION SECTION

Product Name 2x HotStart PCR Master Mix
Other Names None
Product Code DP-008-0250/ DP-008-2500
U.N.Number None allocated
Dangerous Goods Class None allocated
and Subsidiary Risk
Hazchem Code None allocated
Poison Schedule None allocated

Composition / Information on Ingredients

<i>Components</i>	<i>CAS No.</i>	<i>Concentration</i>
Water	7732-18-5	Balance
Tris-HCl Buffer	1185-53-1	Proprietary
MgCl ₂	7786-30-3	Proprietary
(NH ₄) ₂ SO ₄	7783-20-2	Proprietary
Trinton X-100	9002-93-1	0.5%
dNTPs	n/a	Proprietary
Cold-sensitive mutant Taq DNA Polymerases	n/a	Proprietary
Mouse monoclonal anti-Taq DNA Polymerase antibodies	n/a	Proprietary
Stabilizers	Proprietary	Proprietary

Physical Description and Properties

Appearance Clear viscous solution
Melting Point Not available
Vapor Pressure Not available

Specific Gravity	Not available
Flash Point	Not available
Flammability Limits	Not available
Solubility	Soluble

HEALTH HAZARD INFORMATION

Health Effects:

Acute

Swallowed:	May cause irritation
Eye:	May cause irritation
Skin:	May cause irritation
Inhaled:	May cause irritation to upper respiratory tract

Chronic

Carcinogenic effects:	Not applicable
Mutagenic effects:	Not applicable
Reproductive toxicity:	Not applicable
Sensitization:	Not applicable

First Aid:

Swallowed:	If conscious, immediately induce vomiting
Eye:	Wash continuously with water for 15 minutes
Skin:	Immediately wash skin with soap and copious amounts of water. Wash contaminated clothing before reuse.
Inhaled:	Remove to fresh air. If not breathing give artificial respiration. If breathing is difficult, give oxygen.
First Aid Facilities:	Eye bath, safety shower

PRECAUTIONS FOR USE

Exposure Standards:	No data
Engineering Controls:	General or local exhaust ventilation
Personal Protection:	Safety goggles, uniform, apron, rubber gloves are required!!!
Flammability:	Use in well ventilated area

SAFE HANDLING INFORMATION

Storage and Transport:	Keep in a tightly closed container. Stored in a cool, dry, ventilated area.
Spills and Disposal:	With clean shovel, carefully place material into clean, dry container and cover. Remove from area. Flush spill area with water. Dispose in accordance with all applicable federal, state and local environmental regulations. Wear self-contained breathing apparatus and full

protective clothing.

Fire/Explosion Hazard: Use extinguishing media appropriate for surrounding fire. Firefighters should wear proper protective equipment and self-contained breathing apparatus with full face piece in positive pressure mode. Note: decomposes at melting point. Toxic gases produced: hydrogen chloride, nitrogen oxides, carbon monoxide, carbon dioxide.

<i>OTHER INFORMATION</i>

The above information is believed to be correct but does not purport to be complete and should be used only as a guide. The burden of safe use of this material rests entirely with the user.

This material is sold for research and development purposes only. It is not for any human or animal therapeutic or clinical diagnostic use. It is not intended for food, drug, household, agricultural, or cosmetic use. An individual technically qualified to handle potentially hazardous chemicals must supervise the use of this material.