

MATERIAL SAFETY DATA SHEET

Elite™ Hydrogen Peroxide Detection Kit

COMPANY DETAILS

Company: eENZYME LLC
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IDENTIFICATION SECTION

Product Name	Elite™ Hydrogen Peroxide Detection Kit
Other Names	None
Product Code	CA-H501
U.N.Number	None allocated
Dangerous Goods Class and Subsidiary Risk	None allocated
Hazchem Code	None allocated
Poison Schedule	None allocated
Use	Hydrogen peroxide detection

Physical Description and Properties

Appearance	Solid or liquid
Melting Point	Not available
Vapour Pressure	Not available
Specific Gravity	Not available
Flash Point	Not available
Flammability Limits	Not available
Solubility	Water or DMSO

COMPOSITION/INFORMATION ON INGREDIENTS

Chemical Name	Description	Quantity
Elite™ Red Peroxidase Substrate	Lyophilized powder	1 vial
H ₂ O ₂	Liquid chemical	0.2 ml
Assay Buffer	Common physiological buffer	100 ml
Horseradish Peroxidase	Lyophilized powder	1 vial
DMSO	Liquid chemical	1 ml

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

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

<i>PRECAUTIONS FOR USE</i>

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

<i>SAFE HANDLING INFORMATION</i>

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.

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.