

# MATERIAL SAFETY DATA SHEET

## Elite™ Fluorimetric NAD/NADH Ratio Assay Kit

### COMPANY DETAILS

Company: eENZYME LLC  
Address: 401 Professional Drive, Suite 160  
Gaithersburg, MD 20879  
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### IDENTIFICATION SECTION

Product Name *Elite™ Fluorimetric NAD/NADH Ratio Assay Kit*  
Other Names None  
Product Code CA-N226  
U.N.Number None allocated  
Dangerous Goods Class None allocated  
and Subsidiary Risk  
Hazchem Code None allocated  
Poison Schedule None allocated  
Use NAD/NADH 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

<b>Chemical Name</b>	<b>Description</b>	<b>Quantity</b>
NAD/NADH Recycling Enzyme Mixture	Lyophilized powder	2 bottles
NADH Sensor Buffer	Common physiological buffer	20 ml
NADH Standard	Lyophilized powder	1 vial
NADH Extraction Solution	Liquid chemical	10 ml
NAD Extraction Solution	Liquid chemical	10 ml
NAD/NADH Control Solution	Liquid chemical	10 ml
NAD/NADH Lysis Buffer	Common physiological buffer	10 ml

## HEALTH HAZARD INFORMATION

### Health Effects:

#### *Acute*

Swallowed:	May casuse 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

## PRECAUTIONS FOR USE

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

## 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 facepiece 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.