

# MATERIAL SAFETY DATA SHEET

## Elite™ Mitochondrial ROS Activity Assay Kit

### 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  
Email: info@eEnzyme.com

### IDENTIFICATION SECTION

Product Name *Elite™ Mitochondrial ROS Activity Assay Kit*  
Other Names None  
Product Code CA-R933  
U.N.Number None allocated  
Dangerous Goods Class and Subsidiary Risk None allocated  
Hazchem Code None allocated  
Poison Schedule None allocated  
Use ROS detection

### Physical Description and Properties

Appearance Solid/Liquid  
Melting Point Not available  
Vapour Pressure Not available  
Specific Gravity Not available  
Flash Point Not available  
Flammability Limits Not available  
Solubility Water

### COMPOSITION/INFORMATION ON INGREDIENTS

<b>Chemical Name</b>	<b>Description</b>	<b>Quantity</b>
Elite™ ROS Deep red	Lyophilized powder	1 vial
Assay Buffer	Common physiological buffer	20 ml
DMSO	Liquid chemical	0.1 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

**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 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.