

MATERIAL SAFETY DATA SHEET

Effective Date: June 1, 2014

Revision 6

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MSDS for Swabzymes™-Oxidase - pg. 2 of 2.

PRODUCT IDENTIFICATION

Name : Swabzymes™-Oxidase

Catalog Number : 13-106-50

EMERGENCY INFORMATION

EY Laboratories, Inc.
107 North Amphlett Blvd.
San Mateo, CA 94401

EMERGENCY PHONE: 650-342-3296

HAZARDOUS COMPONENTS

<u>MATERIAL</u>	<u>CONCENTRATION</u>
N,N,N',N'- tetramethyl- <i>p</i> -phenylenediamine Dihydrochloride (TMPD)	< 750 µg / swab
Molecular Formula : C ₁₀ H ₁₆ N ₂ • 2HCl	
Formula Weight : 237.2	
CAS # : 637-01-4	

HEALTH HAZARD INFORMATION

EXPOSURE LIMITS	None established. The toxicological properties of these chemicals have not been thoroughly investigated.
EFFECTS OF OVER EXPOSURE	The chemical may cause local irritation if allowed to contact skin. Irritation may result if affected skin is allowed to contact the eyes or mucous membranes of the nose or mouth.
ROUTES OF EXPOSURE	TMPD may be harmful by inhalation, ingestion, or absorption through the skin. Since the chemical is embedded on the swab the primary route of exposure would be by skin contact with the swab. Contact with the hands may lead to subsequent contact the eyes or mucous membranes.
ADDITIONAL INFORMATION	Specific hazards are also associated with the bacteria being tested. Follow appropriate safety procedures for the handling of micro-organisms.

PHYSICAL CHARACTERISTICS

APPEARANCE	Chemicals dried on a cotton swab.
FORM	White to pale gray-blue swab.
MELTING POINT	222 - 224°C

FIRE AND EXPLOSION HAZARDS

Not considered to be a fire hazard.	
EXTINGUISHING MEDIA	Water spray, CO ₂ , or dry chemical powder.
SPECIAL FIRE FIGHTING NOTE PRECAUTIONS	Wear protective equipment to prevent contact with skin, eyes, and respiratory tract.

REACTIVITY DATA

STABILITY	Stable. Toxic fumes of carbon monoxide, carbon dioxide, nitrogen oxides and HCl gas are the primary combustion or decomposition products.
HAZARDOUS POLYMERIZATION	Will NOT occur.
INCOMPATIBILITY	Strong oxidizing agents and strong bases.

SPILL / LEAK PROCEDURES

MATERIAL RELEASE / SPILL	Avoid contact with material. Clean up spill and place all waste in a bag for disposal. Ventilate area.
WASTE DISPOSAL	Mix material with a combustible solvent and incinerate in a chemical incinerator equipped with an afterburner and scrubber according to all Local, State, and federal regulations.

EMERGENCY FIRST AID PROCEDURES

May be harmful if swallowed, inhaled, or allowed to absorb through the skin. Wash contacted area with water for 15 minutes. If inhaled remove to fresh air. Report exposure to the appropriate safety official. Consult physician as necessary. Consult the appropriate medical authority if contact is made with the test bacteria.

SPECIAL HANDLING PRECAUTIONS

VENTILATION	Mechanical exhaust recommended.
EYE PROTECTION	Safety glasses required.
RESPIRATORY PROTECTION	OSHA approved respirator.
PROTECTIVE GLOVES	Required.
ADDITIONAL INFORMATION	Avoid skin contact.

SPECIAL PRECAUTIONS

This material is for in vitro diagnostic use only. It is not intended for food, drug, household, agricultural, or cosmetic use. All materials should be handled only by technically qualified individuals experienced with working with potentially hazardous chemicals. The above information is correct to the best of our knowledge. The user should make independent decisions regarding completeness of the information, based on all sources available. EY Laboratories, Inc. shall not be held liable for any damage resulting from handling or contact with the above product.