

MATERIAL SAFETY DATA SHEET

Page 1

Date prepared: 02/10/2001
MSDS Number: ACC00412

Product and Company Identification

Product Name: TMB peroxidase substrate solution
Catalog Number: ACC 00412

Company: Agdia, Inc
Address: 30380 County Rd 6
Elkhart, IN 46514
USA
Phone: 1-800-622-4342 or
1-219-264-2014

Material / Ingredient Identification

Chemical Name:	CAS Number	Exposure Limits
3,3',5,5'-Tetramethylbenzidine	54827-17-7	NA
Dimethyl Sulfoxide	67-68-5	NA

Physical Chemical Characteristics

Boiling Point: 100°C
Vapor Pressure: NA
Vapor Density: NA
Solubility in Water: dilutable
Appearance and odor: Clear solution. May have slight blue color.

Specific Gravity: NA
Melting Point: 30°C
Evaporation Rate: NA
Water Reactive: No

Fire and Explosion Hazard Data

Flash Point: NA
Flammability Limits: NA
Autoignition temperature: 689°F
Extinguisher Media: Water, foam, carbon dioxide or dry chemical.
Special Fire Fighting Procedures: Wear self-contained breathing apparatus and protective clothing to prevent contact with eyes and skin.
Unusual Fire and Explosion Hazards: Emits toxic fumes under fire conditions.

Reactivity Hazard Data

Chemical Stability: Stable X Unstable _____
Conditions To Avoid: N/A
Incompatibility (Materials to avoid): Strong oxidizing agents and strong bases
Hazardous Decomposition Products: Carbon dioxide, carbon monoxide.
Hazardous Polymerization: May Occur _____ Will Not Occur X
Conditions to Avoid: NA

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Page 2

Health Hazard Data

Routes of Entry: Inhalation X Ingestion X Skin Absorption X
Carcinogenicity: NTP _____ IARC Monograph _____ OSHA _____ Not Listed X
Health Hazards:
Acute: May cause eye and skin irritation. May be harmful by inhalation. Harmful if swallowed in copious amounts.
Chronic: NA

Signs and Symptoms of Exposure: Inhalation may cause irritation mucous membranes of throat, nose and respiratory tract. May cause headache, nausea and irritation of the eyes and skin.
Medical Conditions Generally Aggravated by Exposure: No data

First Aid Procedures

Eye Contact: Flush eyes with water for at least 15 minutes.
Skin Contact: Flush skin with water. Remove contaminated clothing and wash before reuse.
Inhalation: Get to fresh air.
Ingestion: If person is conscious, wash mouth out with water. Get medical attention.

Seek medical assistance for further treatment, observation and support if necessary.

Control and Protective Measures

Respiratory Protection: If respirator is needed, follow OSHA respirator protection standards found in 29CFR1910.134.
Protective Gloves: Chemical resistant gloves.
Eye Protection: Chemical safety goggles.
Ventilation: Mechanical exhaust.
Other Protective Clothing and Equipment: Wear lab coat or apron.
Hygienic Work Practices: Use good laboratory practices. Wash hands after using.

Precautions for Safe Handling and Use

Steps to be Taken If Material Is Spilled Or Released: Wear protective clothing to prevent contact with skin and eyes. Contain spill. Ventilate area. Clean up with copious amounts of soap and water.

Waste Disposal Methods: Comply with all applicable federal, state, and local regulations.

Precautions for Handling and Storage: Use in well ventilated area.

Other Precautions and/or Special Hazards: NA

The above information is believed to be correct but is not all inclusive and should be used only as a guide.