

MATERIAL SAFETY DATA SHEET



Revision Date: June 3, 2009

1. **IDENTIFICATION**

TMB Peroxidase Substrate System

CATALOG NO.

50-76-00/50-76-01/50-76-02/50-76-03/50-76-08/50-76-09/50-76-25

2. **COMPOSITION AND INGREDIENTS INFORMATION**

<u>Reagent</u>	<u>Weight %</u>	<u>CAS #</u>
N.N.-Dimethylformamide	26%	6812-2

3. **HAZARDS IDENTIFICATION**

Skin and eye irritant and suspected carcinogen.

4. **FIRST-AID PROCEDURES**

Inhalation: Remove subject to fresh air. Seek medical attention if necessary.

Eye and Skin Contact: Flush eyes or skin with copious amounts of water. Wash contaminated clothing before reuse. Consult a physician if irritation persists.

5. **FIRE FIGHTING PROCEDURES**

Extinguishing Media: Foam, Alcohol Foam, CO₂, Dry Chemical and Water/Fog

Unusual Fire and Explosion Hazards: N/A

Wear self-contained breathing apparatus and protective clothing to prevent contact with skin and eyes.

6. **ACCIDENTAL RELEASE MEASURES**

Contain spill and then clean-up with copious amounts of water. Avoid contact with skin and clothing.

7. **EXPOSURE CONTROL (PERSONAL PROTECTIVE EQUIPMENT)**

Inhalation: Adverse health effects from vapors and spray mist in poorly ventilated areas may include irritation of the mucous membranes of the nose, throat, respiratory tract and symptoms of headache and nausea.

Eye Contact: Direct contact with product may result in eye irritation.

Skin Contact: Prolonged and repeated contact with product may cause skin irritation.

Respiratory Protection: None required if good ventilation is maintained. Otherwise wear MSHA/NIOSH approved respirator suitable for vapor or mist concentrations encountered.

8. **HANDLING AND STORAGE**

Store at 2 - 8°C.

9. **PHYSICAL AND CHEMICAL PROPERTIES**

Appearance: Clear to slightly bluish colored solution.

Melting or Freezing Point: <0°C/32°F (water)

Boiling Point: >100°C/212°F (water)

Solubility in Water: Dilutable

10. **STABILITY AND REACTIVITY INFORMATION**

Stable

11. **TOXICOLOGICAL INFORMATION**

Hazardous Decomposition Products: Carbon Monoxide, Carbon Dioxide, Nitrogen Oxides

Hazardous Polymerization: Will not occur

Incompatibility Materials to Avoid: Acid Chlorides, Oxidizing Agents, Chloroformates, Reducing Agents Halogens

12. ECOLOGICAL INFORMATION

N/A

13. DISPOSAL GUIDELINES

Observe all Federal, State and Local laws concerning health and pollution.

14. TRANSPORT INFORMATION

N/A

15. REGULATORY INFORMATION AND CONSIDERATIONS

This product is a mixture that may contain one or more hazardous chemicals. The hazardous ingredients listed are only those as required by 29 CFR 1910.1200 g 2.C1.

Risk Statements: 23/24/25-36/37/38-7-60/61

Safety Statements: 15-36/37/39

Hazard Code:



UN Number for N',N-DIMETHYLFORMAMIDE: 2265

16. OTHER

The above information is believed to be correct, but does not purport to be all inclusive and shall be used only as a guide. KPL shall not be held liable for any damage resulting from handling or from contact with the above product. Users should make their own investigations to determine the suitability of the information for their particular purposes