

# MATERIAL SAFETY DATA SHEET



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1. **IDENTIFICATION** **CATALOG NO.**  
BCIP/NBT Phosphatase Substrate (1-Component) 50-81-07, 50-81-08, 50-81-09, 50-81-10, 50-81-11, 50-81-18, 50-81-25
2. **COMPOSITION AND INGREDIENTS INFORMATION**

<u>Reagent</u>	<u>Weight %</u>	<u>CAS #</u>
1,2 Propanediol	5 %	57-55-6
3. **HAZARDS IDENTIFICATION**  
Toxic if ingested
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, CO<sub>2</sub>, Dry Chemical and Water/Fog  
Unusual Fire and Explosion Hazards: Upon evaporation of water, product may emit toxic fumes under fire conditions. 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 4°C.
9. **PHYSICAL AND CHEMICAL PROPERTIES**  
Appearance: Clear yellowish 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  
Hazardous Polymerization: Will not occur  
Incompatibility Materials to Avoid: Strong oxidizing agents and strong bases.

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

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.