

# MATERIAL SAFETY DATA SHEET

For R&D use only. Not for drug, household or other uses.

Click <http://www.lookchem.com/cas-102/102-98-7.html> for suppliers of this product.

## Composition/Information on Ingredient

**Cas:**  
102-98-7  
**Code:**  
M

**RTECS:**  
ED4680000  
**Code:**  
M

**Name:**  
PHENYLMERCURIC BORATE

**Other REC Limits:**  
N/K

**OSHA PEL:**  
0.1 MG/CUM SKIN  
**Code:**  
M

**OSHA STEL:**

**Code:**

**ACGIH TLV:**  
0.1 MG/CUM SKIN  
**Code:**  
M

**ACGIHSTEL:**  
N/P  
**Code:**

## Control Measures

**Respiratory Protection:**  
NOT REQUIRED.

**Ventilation:**  
MECHANICAL (GENERAL) RECOMMENDED.

**Protective Gloves:**  
DISPOSABLE LATEX

**Eye Protection:**  
SAFETY GLASSES

**Other Protective Equipment:**  
Equipment LAB COAT.

**Work Hygienic Practices:**  
GOOD PERSONAL HYGIENE & SAFE LABORATORY PRACTICES SHOULD BE FOLLOWED. REMOVE/LAUNDER CONTAMINATED CLOTHING BEFORE REUSE.

**Supplemental Safety and Health:**  
3 NOTE: PHYSICAL & HEALTH HAZARD INFORMATION ON REAGENT MIXTURE HAVE NOT BEEN DETERMINED. ALL PHYSICAL & HEALTH EFFECTS NOTED ARE BASED ON EXTRAPOLATION OF DATA FROM THE PURE INGREDIENTS. ORAL LD50 INFO RMATION IS FOR: IMIDAZOLE. WASH THOROUGHLY AFTER HANDLING.

**Health Hazards Data**

**LD50LC50Mixture:**  
ORAL LD50(MOUSE): 1880 MG/KG IMIDAZOLE

**Route Of Entry Inds - Inhalation:**  
YES

**Skin:**  
NO

**Ingestion:**  
YES

**Carcinogenicity Inds - NTP:**  
NO

**IARC:**  
NO

**OSHA:**  
NO

**Health Hazards Acute And Chronic:**  
EYES: DIRECT CONTACT MAY CAUSE IRRITATION. SKIN: CONTACT W/SOLUTIONS CONTAINING BOVINE SERUM ALBUMIN & PHENYLMERCURIC BORATE MAY CAUSE ALLERGIC REACTIONS IN RARE INSTANCES.

**Explanation Of Carcinogenicity:**  
NONE

**Signs And Symptions Of Overexposure:**  
IRRITATION

**Medical Cond Aggravated By Exposure:**  
INDIVIDUALS W/HYPERSENSITIVITY TO BOVINE SERUM ALBUMIN & MERCURY COMPOUNDS; PHENYLMERCURIC BORATE.

**First Aid:**  
EYES: IMMEDIATELY FLUSH W/PLENTY OF WATER FOR 15 MINS. SKIN: FLUSH W/PLENTY OF WATER & WASH W/SOAP & WATER. OBTAIN MEDICAL ATTENTION IN ALL CASES.

**Spill Release Procedures:**  
SCOOP UP DRY POWDER/ABSORB RECONSTITUTED REAGENT. PLACE IN SUITABLE LABELED CONTAINER. WASH AREA W/SOAPY WATER & FLUSH WASH TO SEWER W/LARGE AMOUNTS OF WATER.

**Neutralizing Agent:**  
N/K

**Waste Disposal Methods:**  
2 LANDFILL/INCINERATE IN ACCORDANCE W/LOCAL, STATE & FEDERAL REGULATIONS.

**Handling And Storage Precautions:**  
USE PROPER PROTECTIVE EQUIPMENT. DONT EAT, DRINK/SMOKE WHERE REAGENT IS HANDLED. DONT PIPET BY MOUTH; USE MECHANICAL PIPETTING DEVICE.

**Other Precautions:**  
KEEP REAGENT BOTTLES CLOSED WHEN NOT IN USE. FOLLOW GOOD LABORATORY PRACTICES & PROCEDURES. AVOID CONTACT W/EYES & SKIN.

## Fire and Explosion Hazard Information

**Flash Point Method:**  
N/P

**Flash Point:**

**Flash Point Text:**  
N/R

**Autoignition Temp:**

**Autoignition Temp Text:**  
N/A

**Lower Limits:**  
N/R

**Upper Limits:**  
N/R

**Extinguishing Media:**  
AS APPROPRIATE FOR FIRE IN SURROUNDING MATERIALS.

**Fire Fighting Procedures:**  
WEAR SELF CONTAINED BREATHING APPARATUS & FULL PROTECTIVE CLOTHING.

**Unusual Fire/Explosion Hazard:**  
N/K

## Physical/Chemical Properties

**HCC:**

**NRC/State LIC No:**

**Net Prop WT For Ammo:**

**Boiling Point:**

**B.P. Text:**  
N/K

**Melt/Freeze Pt:**

**M.P/F.P Text:**  
N/R

**Decomp Temp:**

**Decomp Text:**  
N/K

**Vapor Pres:**  
N/K

**Vapor Density:**  
N/K

**Volatile Org Content %:**

**Spec Gravity:**  
N/K

**VOC Pounds/Gallon:**

**PH:** 6.7

**VOC Grams/Liter:**

**Viscosity:**  
N/P

**Evaporation Rate & Reference:**  
N/K

**Solubility in Water:**  
COMPLETE

**Appearance and Odor:**  
CLEAR, COLORLESS SOLUTION.

**Percent Volatiles by Volume:**  
N/K

**Corrosion Rate:**  
N/K

## Reactivity Data

**Stability Indicator:**  
YES

**Stability Condition To Avoid:**  
N/R

**Materials To Avoid:**  
N/K

**Hazardous Decomposition Products:**  
TOXIC FUMES

**Hazardous Polymerization Indicator:**  
NO

**Conditions To Avoid Polymerization:**  
N/R

## Toxicological Information

**Information:**N/P

## MSDS Transport Information

**Information:**N/P

## Regulatory Information

**Sara Title III Information:** N/P  
**Federal Regulatory Information:** N/P  
**State Regulatory Information:** N/P

## Other Information

**Other Information:**N/P



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WARRANTY  
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