

**MATERIAL SAFETY DATA SHEET**

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**IDENTIFICATION**

**PRODUCT NAME** VECTASTAIN® ELITE ABC Peroxidase Kits  
**CATALOG NO.** PK-6100, 6101, 6102, 6103, 6104, 6105, 6106, 6200

**HAZARDOUS INGREDIENTS**

**MATERIAL** Thimerosal  
**% BY WEIGHT** 0.05%  
**HAZARD DATA** Toxicity data: orl-rat LD:50 75mg/kg  
scu-rat LD:50 98mg/kg  
scu-musLD:50 66mg/kg

**RTECS #:** OV8400000  
**CAS #:** 54-64-8

**MATERIAL** Sodium Azide (PK-6100 does not contain Sodium Azide)  
**% BY WEIGHT** 0.08%  
**HAZARD DATA** Toxicity data: orl-hmn TDLo:710ug/kg  
orl-rat LD50:27mg/kg  
ivn-mus LD50:19mg/kg  
skn-rbt LD50:20mg/kg

**RTECS #:** VY8050000  
**CAS #:** 26628-22-8

**PHYSICAL DATA**

**APPEARANCE** Colorless liquid  
**SOLUBILITY IN WATER** n/a  
**SPECIFIC GRAVITY** n/a  
**MELTING POINT** n/a  
**BOILING POINT** n/a  
**EVAPORATION RATE** n/a

**FIRE AND EXPLOSION HAZARD DATA**

**FLASH POINT** n/a  
**FLAMMABLE LIMITS IN AIR** n/a  
**EXTINGUISHING MEDIA** Water, foam, carbon dioxide  
**SPECIAL FIREFIGHTING PROCEDURES** Use respirator. Toxic gases can be evolved: carbon monoxide, carbon dioxide, nitrogen oxides.  
**UNUSUAL FIRE AND EXPLOSION HAZARDS** None

**HEALTH HAZARD DATA**

**THRESHOLD LIMIT VALUE** 10ug(Hg)/m3 (Thimerosal)  
300ug/m3 (Sodium Azide)  
**ACUTE EFFECTS OF OVEREXPOSURE** May cause local discomfort if placed on skin, in eyes, ingested or inhaled.  
**EMERGENCY AND FIRST AID PROCEDURES** Wash affected area thoroughly with water. Irrigate eyes for at least 15 min. If inhaled, remove to fresh air. Call a physician.  
**SKIN CONTACT** May cause local discomfort  
**EYE CONTACT** May cause irritation  
**INHALATION** May cause irritation  
**INGESTION** Harmful if swallowed

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**REACTIVITY DATA**

**STABILITY** Stable  
**CONDITIONS TO AVOID**  
**HAZARDOUS POLYMERIZATION** Will not occur  
**HAZARDOUS DECOMPOSITION PRODUCTS** Carbon monoxide, carbon dioxide, nitrogen oxides, mercury.  
**MATERIALS TO AVOID** Strong oxidizers

**SPILL OR LEAK PROCEDURES**

**STEPS TO BE TAKEN IF MATERIAL IS RELEASED OR SPILLED** Flush to sewer if allowed or collect on absorbent and dispose in approved land fill.  
**WASTE DISPOSAL METHOD** Flush to sewer if allowed.

**SPECIAL PROTECTION INFORMATION**

**RESPIRATORY PROTECTION** n/a  
**VENTILATION** Use only with adequate ventilation.  
**PROTECTIVE GLOVES NEEDED** Yes  
**EYE PROTECTION NEEDED** Yes

**SPECIAL PRECAUTIONS**

**PRECAUTIONS TO BE TAKEN IN HANDLING AND STORAGE** Store in refrigerator.

The information contained in this Material Safety Data Sheet is believed to be accurate but it is the responsibility of the user to determine the applicability of these data to the formulation of necessary safety precautions. Vector Laboratories Inc. shall not be held responsible for any damage resulting from the use of the above product or the information contained in this Material Safety Data Sheet.