

MATERIAL SAFETY DATA SHEET

PAGE 1

IDENTIFICATION

**PRODUCT NAME** AMCA Streptavidin  
**CATALOG NO.** SA-5008

HAZARDOUS INGREDIENTS

**MATERIAL** 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** 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** 300ug/m3  
**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

REACTIVITY DATA

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

CONTINUED ON NEXT PAGE

MATERIAL SAFETY DATA SHEET

PAGE 2

IDENTIFICATION

**PRODUCT NAME** AMCA Streptavidin  
**CATALOG NO.** SA-5008

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.

\* Texas Red is a trademark of Molecular Probes.