

MATERIAL SAFETY DATA SHEET

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CHEMICAL IDENTIFICATION

PRODUCT NAME Alkaline Phosphatase Substrate Kit III
CATALOG NO. SK-5300

COMPOSITION/INFORMATION ON INGREDIENTS:

MATERIAL Methanol (Reagent 3 is dissolved in methanol).
% BY WEIGHT 95%

TOXICOLOGICAL INFORMATION:

ori-hmn LDLo : 340mg/kg
ori-mus LD50 : 870mg/kg
skn-rbt LD50 : 20gm/kg

TRANSPORT INFORMATION:

RTECS # PC1400000
CAS # 67-56-1

PHYSICAL AND CHEMICAL PROPERTIES:

APPEARANCE Colorless liquid **MELTING POINT** -98 deg C
SOLUBILITY IN WATER Miscible **BOILING POINT** 65 deg C
SPECIFIC GRAVITY 0.79 **EVAPORATION RATE** 4.6 (Butyl Acetate = 1)

FIRE FIGHTING MEASURES:

FLASH POINT 11 deg C **FLAMMABLE LIMITS IN AIR** 6 - 36%
EXTINGUISHING MEDIA Alcohol foam, carbon dioxide, dry chemical
SPECIAL FIREFIGHTING PROCEDURES Wear proper protective clothing and self contained breathing apparatus.
UNUSUAL FIRE AND EXPLOSION HAZARDS Very volatile flammable liquid. Container could explode under fire conditions.

HAZARDS IDENTIFICATION:

THRESHOLD LIMIT VALUE 200ppm
ACUTE EFFECTS OF OVEREXPOSURE Headache, fatigue, nausea, visual impairment or complete blindness.

FIRST AID MEASURES:

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 immediately.

ACCIDENTAL RELEASE MEASURES:

SKIN CONTACT May cause dermatitis
EYE CONTACT May cause irritation
INHALATION May cause irritation below threshold limit
INGESTION Harmful if swallowed

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CHEMICAL IDENTIFICATION (continued)

PRODUCT NAME Alkaline Phosphatase Substrate Kit III
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STABILITY AND REACTIVITY:

STABILITY Stable
MATERIALS TO AVOID Strong oxidizers
CONDITIONS TO AVOID Heat, sparks, open flame.
HAZARDOUS POLYMERIZATION Will not occur
HAZARDOUS DECOMPOSITION PRODUCTS Carbon monoxide, carbon dioxide.

DISPOSAL CONSIDERATIONS:

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 or dispose according to federal, state, or local law.

EXPOSURE CONTROLS/PERSONAL PROTECTION:

RESPIRATORY PROTECTION Approved organic vapor respirator
VENTILATION Use only with adequate ventilation.
PROTECTIVE GLOVES NEEDED Yes
EYE PROTECTION NEEDED Yes

HANDLING AND STORAGE:

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

OTHER INFORMATION:

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.

ECOLOGICAL INFORMATION:

Data not yet available.

REGULATORY INFORMATION: