



PRODUCT: M13 G8P A4B1 [HRP]
CATALOG NUMBERS: AS003-50, AS003-100, AS003-500

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SECTION 1: PRODUCT AND COMPANY IDENTIFICATION

PRODUCT NAME: M13 G8P A4B1 [HRP]
PRODUCT CODE: AS003-50, AS003-100, AS003-500

MANUFACTURER: ANTIBODY DESIGN LABS
ADDRESS: 4901 MORENA BLVD, SUITE 203
SAN DIEGO, CA 92117

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SECTION 2: COMPOSITION/INFORMATION ON INGREDIENTS

INGREDIENT NAME: ETHYLENE GLYCOL
SYNONYMS: 1,2-ethanediol
CHEMICAL FORMULA: C₂H₆O₃
CAS No.: 107-21-1
% WT: N/A
% VOL: 50%
RTECS #: KW2975000
SARA 313: No

SECTION 3: HAZARDS IDENTIFICATION

EMERGENCY OVERVIEW:

ROUTES OF ENTRY: Inhalation: YES Skin: YES Ingestion: YES

CARCINOGENICITY: None reported

POTENTIAL HEALTH EFFECTS: eyes Irritating to eyes. Skin Irritating to skin. inhalation May cause sensitization by inhalation. Ingestion Harmful if swallowed. Injection May be harmful if injected

ACUTE HEALTH HAZARDS: ACUTE:MAY BE HARMFUL BY INGESTION. CAUSES EYE IRRITATION. MAY CAUSE SKIN IRRITATION.

CHRONIC HEALTH HAZARDS: PROLONGED EXPOSURE CAN CAUSE: NAUSEA, HEADACHE & VOMITING. TARGET ORGAN DATA:BEHAVIORAL (HEADACHE); GASTROINTESTINAL (NAUSEA OR VOMITING); PATERNAL EFFECTS (SPERMATOGENESIS; TESTES, (EFTS OF OVEREXP).

MEDICAL CONDITIONS GENERALLY AGGRAVATED BY EXPOSURE: NONE SPECIFIED BY MANUFACTURER.

HMIS RATING

HEALTH: 1
FLAMMABILITY: 0
REACTIVITY: 0

NFPA RATING
HEALTH: 1
FLAMMABILITY: 0
REACTIVITY: 0

SECTION 4: FIRST AID MEASURES

EYES: IMMEDIATELY FLUSH W/COPIOUS AMOUNTS OF WATER FOR AT LEAST 15 MINUTES.

SKIN: IMMEDIATELY FLUSH W/COPIOUS AMOUNTS OF WATER FOR AT LEAST 15 MINUTES WHILE REMOVING CONTAMINATED CLOTHING & SHOES. WASH CONTAMINATED CLOTHING BEFORE REUSE.

INGESTION: WASH OUT MOUTH WITH WATER PROVIDED PERSON IS CONSCIOUS. CALL MD.

INHALATION: REMOVE TO FRESH AIR. IF NOT BREATHING. GIVE ARTF RESP. IF BREATHING IS DIFFICULT, GIVE OXYGEN.

SECTION 5: FIRE-FIGHTING MEASURES

EXTINGUISHING MEDIA: WATER SPRAY, CARBON DIOXIDE, DRY CHEMICAL POWDER OR APPROPRIATE FOAM.

SPECIAL FIRE FIGHTING PROCEDURES: USE NIOSH/MSHA APPROVED SCBA & FULL PROTECTIVE EQUIPMENT .

UNUSUAL FIRE AND EXPLOSION HAZARDS: EMITS TOXIC FUMES UNDER FIRE CONDITIONS.

SECTION 6: ACCIDENTAL RELEASE MEASURES

PROCEDURE(S) OF PERSONAL PRECAUTION(S): EXERCISE APPROPRIATE PRECAUTIONS TO MINIMIZE DIRECT CONTACT WITH SKIN OR EYES OR CLOTHING AND PREVENT INHALATION OF VAPORS. WEAR DISPOSABLE COVERALLS AND DISCARD THEM AFTER USE.

METHODS FOR CLEANING UP: ABSORB ON SAND AND PLACE IN CLOSED CONTAINER FOR DISPOSAL. VENTILATE AND WASH SPILL SITE AFTER MATERIALS [ICKU]S IS COMPLETE.

SECTION 7: HANDLING AND STORAGE

HANDLING AND STORAGE: ALWAYS WEAR RECOMMENDED PERSONAL PROTECTIVE EQUIPMENT. NO SPECIAL HANDLING ADVICES ARE NECESSARY.

OTHER PRECAUTIONS: KEEP TIGHTLY CLOSED.

SECTION 8: EXPOSURE CONTROLS/PERSONAL PROTECTION

ENGINEERING CONTROLS: EYE WASH FOUNTAIN & DELUGE SHOWER WHICH MEET ANSI DESIGN CRITERIA .

VENTILATION : MECHANICAL EXHAUST MAY BE REQUIRED IN CASE OF INSUFFICIENT VENTILATION.

RESPIRATORY PROTECTION: WEAR APPROPRIATE NIOSH/MSHA APPROVED RESPIRATOR.

EYE PROTECTION: ANSI APPROVED CHEM WORKERS GOGGLES .

SKIN PROTECTION: CHEMICAL-RESISTANT GLOVES.

OTHER PROTECTIVE CLOTHING OR EQUIPMENT: WEAR LIGHT WEIGHT PROTECTIVE CLOTHING.

WORK HYGIENIC PRACTICES: WASH THOROUGHLY AFTER HANDLING.

SECTION 9: PHYSICAL AND CHEMICAL PROPERTIES

APPEARANCE: VISCOUS COLOLESS LIQUID.

BOILING POINT: NO DATA AVAILABLE

F:

C:

MELTING POINT: NO DATA AVAILABLE

F:

C:

FREEZING POINT: NO DATA AVAILABLE

F:

C:

VAPOR PRESSURE (mmHg): NO DATA AVAILABLE

@

F:

C:

VAPOR DENSITY (AIR = 1): NO DATA AVAILABLE

SPECIFIC GRAVITY (H₂O = 1): NO DATA AVAILABLE

SECTION 10: STABILITY AND REACTIVITY

STABILITY: STABLE

INCOMPATIBILITY (MATERIAL TO AVOID): NO INFORMATION AVAILABLE

HAZARDOUS DECOMPOSITION OR BY-PRODUCTS: NO INFORMATION AVAILABLE.

SECTION 11: TOXICOLOGICAL INFORMATION

TOXICOLOGICAL INFORMATION: LD50 (rat): 4700 mg/kg

SECTION 12: ECOLOGICAL INFORMATION

DATA NOT AVAILABLE

SECTION 13: DISPOSAL CONSIDERATIONS

WASTE DISPOSAL METHOD: OBSERVE ALL FEDERAL, STATE AND LOCAL ENVIRONMENTAL REGULATIONS.

SECTION 14: TRANSPORT INFORMATION

DOT

PROPER SHIPPING NAME: NONE

U.S. DEPARTMENT OF TRANSPORTATION: NON-HAZARDOUS FOR TRANSPORT.

IATA: NON-HAZARDOUS FOR AIR TRANSPORT.

SECTION 15: REGULATORY INFORMATION

UNITED STATES REGULATORY INFORMATION

SARA LISTED: NO

SECTION 16: OTHER INFORMATION

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