

MATERIAL SAFETY DATA SHEET

PAGE 1

IDENTIFICATION

PRODUCT NAME Agarose Ricinus Communis Agglutinin I (RCA 120)
CATALOG NO. AL-1083

HAZARDOUS INGREDIENTS

MATERIAL Ricinus Communis Agglutinin I (RCA 120)
% BY WEIGHT 0.4%
HAZARD DATA Toxicity data: ipr-mus LD50 : >1mg/kg

MATERIAL Sodium Azide
% BY WEIGHT 0.08%
HAZARD DATA Toxicity data: ori-hmn TDLo:710ug/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 None
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 - Do not lyophilize
HAZARDOUS POLYMERIZATION Will not occur
HAZARDOUS DECOMPOSITION PRODUCTS Carbon monoxide, carbon dioxide, nitrogen oxides

CONTINUED ON NEXT PAGE

MATERIAL SAFETY DATA SHEET

PAGE 2

IDENTIFICATION

PRODUCT NAME Agarose Ricinus Communis Agglutinin I (RCA 120)
CATALOG NO. AL-1083

SPILL OR LEAK PROCEDURES

STEPS TO BE TAKEN IF MATERIAL IS RELEASED OR SPILLED Wash contaminated area with 5% sodium hypochlorite (bleach).
WASTE DISPOSAL METHOD After mixing with 5% sodium hypochlorite, flush to sewer if allowed or collect on absorbent and dispose in approved land fill.

SPECIAL PROTECTION INFORMATION

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

SPECIAL PRECAUTIONS

PRECAUTIONS TO BE TAKEN IN HANDLING AND STORAGE Store in refrigerator.
Exercise caution in use! RCA 120 has been found to have moderate toxicity in some animal models, but its toxicity to humans has not been fully determined, and a related protein, RCA 60, is highly toxic to humans. Never pipet solutions of this lectin by mouth. **Do not Lyophilize!**

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.