

FLINN SCIENTIFIC, INC.

Safety Data Sheet (SDS)

SDS #: 442.90

Revision Date: March 13, 2014

SECTION 1 — CHEMICAL PRODUCT AND COMPANY IDENTIFICATION

Lectin

Flinn Scientific, Inc. P.O. Box 219, Batavia, IL 60510 (800) 452-1261

CHEMTREC Emergency Phone Number: (800) 424-9300

Signal Word N/A

Pictograms

SECTION 2 — HAZARDS IDENTIFICATION

This chemical is considered nonhazardous according to GHS classifications for the Hazard Communication Standard. Treat all laboratory chemicals with caution.

Prudent laboratory practices should be observed. Phytohemagglutinin is known to agglutinate blood cells however, not all health aspects of this substance have been thoroughly investigated. Mitosis activator.

Refrigerate

SECTION 3 — COMPOSITION, INFORMATION ON INGREDIENTS

Component Name	CAS Number	Formula	Formula Weight	Concentration
Lectin (Source: <i>Phaseolus vulgaris</i>)	9008-97-3	Unspecified	Unspecified	
Synonyms: Phytohemagglutinin PHA-M, Phytohaemagglutinin-M				

SECTION 4 — FIRST AID MEASURES

Call a POISON CENTER or physician if you feel unwell.

If inhaled: Remove victim to fresh air and keep at rest in a position comfortable for breathing.

If in eyes: Rinse cautiously with water for several minutes. Remove contact lenses if present and easy to do so. Continue rinsing.

If on skin: Wash with plenty of water.

If swallowed: Rinse mouth. Call a POISON CENTER or physician if you feel unwell.

SECTION 5 — FIRE FIGHTING MEASURES

Nonflammable solid.

When heated to decomposition, may emit toxic fumes.

In case of fire: Use a tri-class dry chemical fire extinguisher.

NFPA CODE

None
established

SECTION 6 — ACCIDENTAL RELEASE MEASURES

Do not allow solid to become airborne. Ventilate area. Wipe up, place in sealed bag or container and dispose. Wash spill site after material pickup is complete. See Sections 8 and 13 for further information.

SECTION 7 — HANDLING AND STORAGE

Flinn Suggested Chemical Storage Pattern: Organic Miscellaneous.
Keep refrigerated 2-8°C. Light sensitive. Store in an opaque bottle.

SECTION 8 — EXPOSURE CONTROLS, PERSONAL PROTECTION

Wear protective gloves and eye protection. Wash hands thoroughly after handling.

SECTION 9 — PHYSICAL AND CHEMICAL PROPERTIES

White lyophilized powder. Odorless.

Used at a 10mg/200mL water in the AP Biology
Investigation 7 (2012 by the College Board)

SECTION 10 — STABILITY AND REACTIVITY

Avoid strong oxidizers, strong acids, and strong bases.

Shelf life: Fair, store in a laboratory refrigerator at 2-8°C. See Section 7 for further information.

SECTION 11 — TOXICOLOGICAL INFORMATION

Acute effects: Nausea, vomiting, and diarrhea may be delayed 1-3
hours after exposure. Agglutination of blood cells.

ORL-RAT LD₅₀: N.A.

IHL-RAT LC₅₀: N.A.

Chronic effects: N.A.

SKN-RBT LD₅₀: N.A.

Target organs: Blood cells, Intestinal tract.

N.A. = Not available, not all health aspects of this substance have been fully investigated.

SECTION 12 — ECOLOGICAL INFORMATION

Data not yet available.

SECTION 13 — DISPOSAL CONSIDERATIONS

Please review all federal, state and local regulations that may apply before proceeding.

Flinn Suggested Disposal Method #26a is one option.

SECTION 14 — TRANSPORT INFORMATION

Shipping name: Not regulated. Hazard class: N/A. UN number: N/A.

N/A = Not applicable

SECTION 15 — REGULATORY INFORMATION

Not listed.

SECTION 16 — OTHER INFORMATION

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Consult your copy of the *Flinn Science Catalog/Reference Manual* for additional information about laboratory chemicals.

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