

Safety Data Sheet (SDS)

SECTION 1 — CHEMICAL PRODUCT AND COMPANY IDENTIFICATION

Pepsin

Signal Word
DANGER

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

Chemtrec Emergency Phone Number: (800) 424-10102

Pictograms

SECTION 2 — HAZARDS IDENTIFICATION

Hazard class: Skin irritant (Category 2). Causes mild skin irritation (H316).



Hazard class: Eye irritant (Category 2A). Causes eye irritation (H320).



Hazard class: Skin sensitizer (Category 1B). May cause an allergic skin reaction (H317).

Hazard class: Respiratory sensitizer (Category 1B). May cause allergy or asthma symptoms or breathing difficulty if inhaled (H334).

SECTION 3 — COMPOSITION, INFORMATION ON INGREDIENTS

Component Name	CAS Number	Formula	Formula Weight	Concentration
Pepsin (source: porcine) (activity 1:3000)	9001-75-6	Unspecified	Unspecified	15-30%
Lactose	64044-51-5	Unspecified	Unspecified	70-85%

SECTION 4 — FIRST AID MEASURES

Call a POISON CENTER or physician if you feel unwell (P312).

If inhaled: Remove victim to fresh air and keep at rest in a position comfortable for breathing (P304+P340).

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: Take off contaminated clothing and wash before reuse (P362 +P364). Wash with plenty of water (P302+P352).

If skin irritation occurs: Get medical advice or attention (P332+P313).

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

SECTION 5 — FIRE FIGHTING MEASURES

Nonflammable solid.

NFPA Code

Fine powder when mixed with air may be explosive. When heated to decomposition, may emit toxic fumes.

None established

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

SECTION 6 — ACCIDENTAL RELEASE MEASURES

Wipe up, place in sealed bag or container and dispose. Ventilate area and 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 #2. Store with alcohols, glycols, amines and amides. Store in a cool dry place. Keep container tightly closed (P233). Use only in a hood or well-ventilated area (P271).

SECTION 8 — EXPOSURE CONTROLS, PERSONAL PROTECTION

Wear protective gloves, protective clothing, and eye protection (P280). Wash hands thoroughly after handling (P264). Use only in a hood or well-ventilated area (P271).

SECTION 9 — PHYSICAL AND CHEMICAL PROPERTIES

White or yellowish-white. Characteristic enzyme odor. Biological enzyme. Active only in acidic solution.
Odor threshold: Not available
pH: 3.0-4.5
Soluble: Water. Insoluble in alcohol.

SECTION 10 — STABILITY AND REACTIVITY

Avoid contact with alcohol, alkalis, tannins and salts of heavy metals.
Shelf life: Indefinite, if stored properly.
Stability: Stable

SECTION 11 — TOXICOLOGICAL INFORMATION

Acute effects: Eye, skin, and respiratory tract irritation ORL-RAT LD₅₀: N.A.
Chronic effects: Possible hypersensitization, dermatitis IHL-RAT LC₅₀: N.A.
Target organs: Respiratory tract. SKN-RBT LD₅₀: N.A.
Carcinogenicity: Not classified as a carcinogen by
IARC, OSHA or NTP.

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.

SECTION 15 — REGULATORY INFORMATION

TSCA-listed.

SECTION 16 — OTHER INFORMATION

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EXPENSE ARISING OUT OF OR IN ANY WAY CONNECTED WITH THE HANDLING, STORAGE, USE OR DISPOSAL OF THIS PRODUCT(S).

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

N/A = Not applicable

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

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