

PEPSIN
CAROLINA BIOLOGICAL SUPPLY COMPANY

1. PRODUCT DESCRIPTION

Product Name: Pepsin. 1 X NF.
Product Code(s): 87-9378, 87-9380, 20-2340
Size: 1 oz, 125 g
Chemical Name: Pepsin
CAS Number: 9001-75-6
Formula: Pepsin 1 X NF
Synonyms: Pepsin 1:3.000 NF.Pepsin
Distributor: Carolina Biological Supply Company
2700 York Road
Burlington, NC 27215
Chemical Information: 800-227-1150 (8am-5pm (ET) M-F)
Chemtrec (Transportation Spill Response 24 hours): 800-424-9300

2. COMPOSITION/INFORMATION ON INGREDIENTS

Principle Hazardous Components: Pepsin 1 X NF (CAS# 9001-75-6) 100%
TLV and PEL units: None established

3. HAZARD IDENTIFICATION

Emergency Overview: Handling care generally in keeping with safe laboratory practices is recommended.
Potential Health Effects:
Eyes: May cause irritation.
Skin: May cause irritation.
Ingestion: May cause gastrointestinal discomfort.
Inhalation: May cause irritation to respiratory tract.

4. FIRST AID MEASURES

Emergency and First Aid Procedures:
Eyes - Flush with water for at least 15 minutes, raising and lowering eyelids occasionally. Get medical attention if irritation persists.
Skin - Thoroughly wash exposed area for at least 15 minutes. Remove contaminated clothing. Launder contaminated clothing before reuse. Get medical attention if irritation persists.
Ingestion - If swallowed, if conscious, give plenty of water and induce vomiting immediately as directed by medical personnel. Immediately call a physician or poison control center. Never give anything by mouth to an unconscious person.
Inhalation - Remove to fresh air. Give oxygen if breathing is difficult; give artificial respiration if breathing has stopped. Keep person warm, quiet, and get medical attention.

5. FIREFIGHTING PROCEDURES

Flash Point (Method Used): None
NFPA Rating: Health: 2
Fire: 1
Reactivity: 0

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5. FIREFIGHTING PROCEDURES (Cont.)

Extinguisher Media:

Use dry chemical, CO2 or appropriate foam.

Flammable Limits in Air % by Volume: No information available.

Autoignition Temperature: No information available.

Special Firefighting Procedures:

Firefighters should wear full protective equipment and NIOSH approved self-contained breathing apparatus.

Unusual Fire and Explosion Hazards: Avoid inhalation of combustion fumes.

6. SPILL OR LEAK PROCEDURES

Steps to be Taken in Case Material is Released or Spilled:

Ventilate area of spill. Clean-up personnel should wear proper protective equipment. Avoid creating dust. Sweep or scoop up and containerize for disposal.

7. SPECIAL PRECAUTIONS

Precautions to be Taken in Handling or Storing: Store tightly closed in a cool, dry, area. Avoid contact with eyes, skin and clothing.

Other Precautions: Avoid exposing products to high humidity conditions. Wash thoroughly with soap after handling.

8. SPECIAL PROTECTION INFORMATION

Respiratory Protection(Specify Type):

None needed under normal conditions of use with adequate ventilation. NIOSH approved equipment should be worn if PELs are exceeded.

Ventilation:

Local Exhaust: Preferred

Mechanical(General):Acceptable

Special: No

Other: No

Protective Gloves:

Rubber, neoprene, PVC, or equivalent.

Eye Protection:

Splash proof chemical safety goggles should be worn at all times.

Other Protective Clothing or Equipment:

Lab coat, eye wash, and safety shower.

9. PHYSICAL DATA

Molecular Weight: No information available.

Melting Point: Decomposes

Boiling Point: No information available.

Vapor Pressure: No information available.

Vapor Density(Air=1): No information available.

Specific Gravity(H2O=1): No information available.

Percent Volatile by Volume: No information available.

Evaporation Rate(H2O=1): No information available.

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9. PHYSICAL DATA (Cont.)

Solubility in Water: Soluble
Appearance and Odor: Yellowish powder, slightly acid taste. Characteristic odor.

10. REACTIVITY DATA

Stability: Stable
Conditions to Avoid: Heat
Incompatibility(Materials to Avoid): Alcohol, tannin, alkaline substances, salts of heavy metals, strong oxidizing agents.
Hazardous Decomposition Products: COx, NOx'
Hazardous Polymerization: Will not occur

11. TOXICITY DATA

Toxicity Data: No toxicity data found.
Effects of Overexposure:
 Acute: See section 3
 Chronic: Mutation data cited. Not listed as causing cancer by NTP, IARC or OSHA.
Conditions Aggravated by Overexposure: Hypersensitivity to material: dermatology problems.
Target Organs: Skin
Primary Route(s) of Entry: None cited

12. ECOLOGICAL DATA

EPA Waste Numbers: None

13. DISPOSAL INFORMATION

Waste Disposal Methods: Dispose in accordance with all applicable Federal, State and Local regulations.
Always contact a permitted waste disposer (TSD) to assure compliance.

14. TRANSPORT INFORMATION

Non-regulated material.

15. REGULATORY INFORMATION

EPA TSCA Status: On TSCA Inventory
Hazard Category for SARA Section 311/312 Reporting: Acute

Product or Components	SARA EHS Sec. 302 TPQ	SARA Sec. 313 Chemicals Name Chemical List Category	CERCLA Sec. 103 RQ lbs.	RCRA Sec. 261.33
Pepsin	No	No No	No	No

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16. ADDITIONAL INFORMATION

The information provided in this Material Safety Data Sheet represents a compilation of data drawn directly from various sources available to us. Carolina Biological Supply makes no representation or guarantee as to the suitability of this information to a particular application of the substance covered in the Material Safety Data Sheet. Any employer must carefully assess the applicability of any information contained herein in regards to the particular use to which the employer puts the material.

Glossary

ACGIH.....American Conference of Governmental Industrial Hygienists
CAS Number..Chemical Services Abstract Number
CERCLA.....Comprehensive Environmental Response, Compensation, and
Liability Act
DOT.....U.S. Department of Transportation
IARC.....International Agency of Research on Cancer
N/A.....Not Available
NTP.....National Toxicology Program
OSHA.....Occupational Safety and Health Administration
PEL.....Permissible Exposure Limit
ppm.....parts per million
RCRA.....Resource Conservation and Recovery Act
SARA.....Superfund Amendments and Reauthorization Act
TLV.....Threshold Limit Value
TSCA.....Toxic Substances Control Act