

# **MATERIAL SAFETY DATA SHEET**

YEAST EXTRACT  
CAROLINA BIOLOGICAL

Revised: 15/05/08  
Replaces: 09/11/07  
Printed: 03/08/10

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## **1. PRODUCT DESCRIPTION**

Product Name: Yeast Extract  
Product Code(s): 79-4708, 79-4781  
Size: 100 g, 500 g  
Chemical Name: Yeast Extract  
CAS Number: 8013-01-2  
Formula: N/A  
Synonyms: N/A  
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: Yeast Extract (CAS#8013-01-2) 100%  
TLV and PEL units: None established

## **3. HAZARD IDENTIFICATION**

Emergency Overview: Not expected to be hazardous under normal conditions of use.

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 thoroughly with water. Seek medical attention if irritation persists.

Skin - Wash exposed area with soap and water. Seek medical attention if irritation persists.

Ingestion - In quantities normally handled, symptoms would not be expected. If swallowed, if conscious, give water. Seek medical attention if gastrointestinal irritation or other unexpected symptoms develop.

Inhalation - Not expected to present a problem. However, if the exposed person is having trouble breathing, remove to fresh air. Give oxygen if breathing is difficult; give artificial respiration if breathing has stopped. Keep person warm and quiet, and get medical attention.

## **5. FIREFIGHTING PROCEDURES**

Flash Point(Method Used): N/A

NFPA Rating: None assigned

Extinguisher Media:

Use media suitable to extinguish surrounding fire.

Flammable Limits in Air % by Volume: N/A

Autoignition Temperature: N/A

Special Firefighting Procedures:

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

Unusual Fire and Explosion Hazards: None known

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### **6. SPILL OR LEAK PROCEDURES**

Steps to be Taken in Case Material is Released or Spilled: Sweep or mop up and dispose of as a non-hazardous waste.

### **7. SPECIAL PRECAUTIONS**

Precautions to be Taken in Handling or Storing: Store tightly closed in an area suitable for general chemical storage.

### **8. SPECIAL PROTECTION INFORMATION**

Respiratory Protection(Specify Type): None needed under normal conditions of use.

Ventilation:

Local Exhaust: Preferred  
Mechanical(General): Accepted  
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 apron, eye wash, and safety shower.

### **9. PHYSICAL DATA**

Molecular Weight: N/A

Melting Point: N/A

Boiling Point: N/A

Vapor Pressure: N/A

Vapor Density(Air=1): N/A

Specific Gravity(H2O=1): N/A

Percent Volatile by Volume: N/A

Evaporation Rate(H2O=1): N/A

Solubility in Water: Miscible in water at room temperature; complete when heated.

Appearance and Odor: Yellowish powder with characteristic odor of yeast.

### **10. REACTIVITY DATA**

Stability: Stable

Conditions to Avoid: N/A

Incompatibility(Materials to Avoid): N/A

Hazardous Decomposition Products: N/A

Hazardous Polymerization: Will not occur

### **11. TOXICITY DATA**

Toxicity Data: ipr-rat LD50: 4500mg/kg

Effects of Overexposure:

Acute: See section 3

Chronic: No chronic effects data cited.

Conditions Aggravated by Overexposure: N/A

Target Organs: N/A

Primary Route(s) of Entry: Ingestion

### **12. ECOLOGICAL DATA**

EPA Waste Numbers: None

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## **13. DISPOSAL INFORMATION**

Waste Disposal Methods: Dispose in accordance with all applicable Federal, State and Local regulations.

## **14. TRANSPORT INFORMATION**

Non regulated

## **15. REGULATORY INFORMATION**

EPA TSCA Status: On TSCA Inventory

Hazard Category for SARA Section 311/312 Reporting: None

Product or Components	SARA EHS	SARA Sec. 313		CERCLA	RCRA
	Sec. 302	Name	Chemical	Sec. 103	Sec.
	TPQ	List	Category	RQ lbs.	261.33

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Yeast Extract	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 Abstracts Service Number

CERCLA.....Comprehensive Environmental Response, Compensation, and Liability Act

DOT.....U.S. Department of Transportation

IARC.....International Agency of Research on Cancer

mppcf.....million particles per cubic foot

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