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Rev. 6

1. IDENTIFICATION OF THE SUBSTANCE/ MIXTURE AND THE COMPANY/UNDERTAKING

Product Name: Yeast Extract
Product Code: IB49160, IB49161, IB49162 & IB49163
Recommend Use: For further manufacturing use only
Not for human or animal drug use
Company: IBI SCIENTIFIC
7445 Chavenelle Road
Dubuque, IA 52002
Emergency Tele. Number: 3E Company (Acct# 9027) 1-800-451-8346 / (001) 760-602-8703
Company Tele. Number: 1-800-253-4942 / (001) 563-690-0484
E-Mail Address: info@ibisci.com

2. HAZARDOUS IDENTIFICATION

GHS – Classification

Classification: Not classified as a hazard

3. COMPOSITION/INFORMATION ON INGREDIENTS

Chemical Name: Yeast Extract
EC No.: EEC No. -
REACH Reg. No.: Not Available
CAS No.: 8013-01-2
Weight %: 95 – 100
Classification: -

4. FIRST AID MEASURES

Eye Contact: Rinse thoroughly with plenty of water for at least 15 minutes and consult a physician.
Skin Contact: Wash off immediately with soap and plenty of water, removing all contaminated clothes and shoes.
Inhalation: Move to fresh air. If breathing is difficult, give oxygen.
Ingestion: Clean mouth with water and afterwards drink plenty of water.
Notes to Physician: Treat symptomatically.

5. FIRE FIGHTING MEASURES

Flammable Properties: Not flammable
Flash Point: Not determined
Suitable Extinguishing Media: Dry chemical, CO₂, water spray, regular foam
Hazardous Combustion Products: Carbon oxides
Explosion Data

| | |
|--|--|
| Sensitivity to Mechanical Impact: | Not sensitive |
| Sensitivity to Static Discharge: | Not sensitive |
| Protective Equip. & Precautions for Firefighters: | As in any fire, wear self-contained breathing apparatus pressure-demand, MSHA/NIOSH (approved or equiv.) and full protective gear. |

6. ACCIDENTAL RELEASE MEASURES

| | |
|---------------------------------|--|
| Personal Precautions: | Avoid contact with skin, eyes, and clothing. Use personal protective equipment. Ensure adequate ventilation. |
| Methods for Containment: | Prevent further leakage or spillage, if safe to do so. |
| Methods for Cleaning Up: | Avoid dust formation. Pick up and transfer to properly labeled containers. Ventilate area and wash spill site after material pickup is complete. |

7. HANDLING AND STORAGE

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|-------------------------------|--|
| Handling: | Handle in accordance with good industrial hygiene and safety practice. |
| Storage: | Keep container tightly closed in a dry, cool, and well-ventilated place. |
| Incompatible Products: | Strong oxidizing agents. |

8. EXPOSURE CONTROLS / PERSONAL PROTECTION

| | |
|--------------------------------------|---|
| Engineering Measures: | Showers, Eyewash Stations, Ventilation Systems |
| Personal Protective Equipment | |
| Eye/Face Protection: | Safety glasses with side shields. |
| Skin & Body Protection: | Wear protective gloves/clothing. |
| Respiratory Protection: | If exposure limits are exceeded or irritation is experienced, NIOSH/MSHA approved respiratory protection should be worn. Positive-pressure supplied air respirators may be required for high airborne contaminant concentrations. Respiratory protection must be provided in accordance with current local regulations. |
| Hygiene Measures: | Handle in accordance with good industrial hygiene and safety practice. |

9. PHYSICAL AND CHEMICAL PROPERTIES

| | |
|-----------------------------------|---|
| Appearance: | White powder |
| Odor: | No information available |
| Odor Threshold: | No information available |
| Decomposition Temp. °C: | No information available |
| Freezing Point: | No information available |
| Initial Boiling Point: | No information available |
| Physical State: | Amorphous powder |
| pH: | No data available |
| Flash Point: | Not determined |
| Autoignition Temp. °C: | No data available |
| Boiling Point/Range: | No data available |
| Melting Point/Range: | No data available |
| Flammability Limits (Air): | <u>Upper</u> -No data available * <u>Lower</u> -No data available |
| Explosion Limits | No information available |
| Explosive Properties: | No information available |
| Oxidizing Properties: | No information available |
| Evaporation Rate: | No information available |
| MMHG @ 37.8°C: | No data available |
| Vapor Density: | No data available |
| Specific Gravity: | No data available |

Solubility: No information available
Partition Coefficient (n-octanol/water): No data available
Viscosity: No information available

10. STABILITY AND REACTIVITY

Stability: Stable under recommended storage conditions
Incompatible Products: Strong oxidizing agents
Conditions to Avoid: None known based on information supplied
Hazardous Decomposition Products: Carbon oxides
Hazardous Polymerization: Hazardous polymerization does not occur.

11. TOXICOLOGICAL INFORMATION

Acute Toxicity
 Product Information: Product does not present an acute toxicity hazard based on known information.
Chronic Toxicity
 Chronic Toxicity: No known effect based on information supplied.
Target Organ Effects: None known.

12. ECOLOGICAL INFORMATION

Ecotoxicity: The environmental impact of this product has not been fully investigated

13. DISPOSAL CONSIDERATIONS

Water Disposal Method: Dispose of material in accordance with all federal, state, and local regulations.
Contaminated Packaging: Dispose of in accordance with all federal, state, and local regulations.

14. TRANSPORT INFORMATION

IATA
 Not regulated
US DOT
 Not regulated

15. TOXICOLOGICAL INFORMATION

| | |
|--|----------------------------|
| REACH Title VII Restrictions | No information available |
| Chemical Name: | Yeast extract - #8013-01-2 |
| Dangerous Substances: | Not applicable |
| Organic Solvents: | Not applicable |
| Harmful Substances Whose Names are to be indicated on the Label: | Not applicable |
| Pollution Release and Transfer Registry (Class II): | Not applicable |
| Pollution Release and Transfer Registry (Class I): | Not applicable |
| Poison and Deleterious Substances Control Law: | Not applicable |
| ISHA – Harmful Substances Prohibited for Manufacturing, Importing, Transferring, or Supplying: | Not applicable |
| ISHA – Harmful Substances Requiring Permission: | Not applicable |
| Toxic Chemical Classification Listing (TCCL): | Not applicable |
| Toxic Release Inventory (TRI) – Group I: | Not applicable |
| Toxic Release Inventory (TRI) – Group II: | Not applicable |

International Inventories

| | |
|----------------|-----------------|
| TSCA: | Does not comply |
| EINECS/ELINCS: | Does not comply |
| ENCS: | Does not comply |
| IECSC: | Does not comply |
| KECL | Does not comply |
| PICCS | Does not comply |
| AICS | Does not comply |

U.S. Federal Regulations

SARA 313

Section 313 of Title III of the superfund Amendments and Reauthorization Act of 1986 (SARA). This product does not contain a chemical/chemicals which are subject to the reporting requirements of the Act & Title 40 of the Code of Federal Regulations, part 372.

SARA 311/312 Hazard Categories

| | |
|-----------------------------------|----|
| Acute Health Hazard | No |
| Chronic Health Hazard | No |
| Fire Hazard | No |
| Sudden Release of Pressure Hazard | No |
| Reactive Hazard | No |

Clean Water Act

This product does not contain any substances regulated as pollutants pursuant to the Clean Water Act (40 CFR 122.21 and 40 CFR 122.42).

Clean Air Act

This product does not contain any substances regulated as hazardous air pollutants (HAPS) under Section 112 of the Clean Air Act Amendments of 1990.

CERCLA

U.S. State Regulations

California Proposition 65

This product does not contain any Proposition 65 chemicals.

International Regulations

Mexico

No information available

Canada

No information available

WHMIS Hazard Class

Not determined

16. OTHER INFORMATION

Issuing Date: 30-Sept-2009

Revision Date: 5-Jun-2018

Revision Note: Updated address and logo

Recommended Restrictions: No information available

Disclaimer: The information provided on this SDS is correct to the best of our knowledge, information and belief at the date of its publication. The information given is designed only as a guide for safe handling, use, processing, storage, transportation, disposal, and release; and is not to be considered as a warranty or quality specification. The information relates only to the specific material designated and may not be valid for such material used in combination with any other material or in any process, unless specified in the test.

End of Safety Data Sheet