



# Material Safety Data Sheet

## Red Yeast Rice MSDS

### 1. SUBSTANCE IDENTIFICATION

- 1.1. Product Name: [Red Yeast Rice](#)
- 1.2. Description: Red Yeast Rice is a red rice powder manufactured through fermentation.
- 1.3. Chemical Formula: Not Applicable
- 1.4. Molecular weight: No applicable
- 1.5. CAS #: 133876-92-3
- 1.6. EINECS #: 215-609-9
- 1.7. Manufactured by: Foodchem International Corporation, Shanghai China.
- 1.8. Supplied by: Foodchem International Corporation, Shanghai China.
- 1.9. Usage: In food as Colorant

### 2. Composition

- 2.1. Red Yeast Rice: 90%
- 2.2. Hazardous impurities: Arsenic 1 mg/kg, Total heavy metal (as pb) 10 mg/kg

### 3. Physical/Chemical Characteristics

- 3.1. Physical State: Powder
- 3.2. Appearance: Red-brown to amaranth powder
- 3.3. Odor: Slight Sour
- 3.4. pH: Not available
- 3.5. Melting point/range: Not applicable
- 3.6. Boiling point: Not applicable
- 3.7. Bulk density: Not available
- 3.8. Solubility: Not Available

### 4. Stability/Reactivity

- 4.1. Chemical Stability: Stable under normal temperatures and pressures
- 4.2. Shelf Life: 24 months period
- 4.3. Hazardous decomposition: Carbon oxides (CO, CO<sub>2</sub>)
- 4.4. Hazardous polymerization: Will not occur
- 4.5. Incompatible with: Oxidizing agents, acids, alkalis

### 5. Handling/Storage

- 5.1. Storage: stored in poly bags or tight container as supplied. keep in a cool and dry area.
- 5.2. Handling precaution: Keep away from heat. Keep away from sources of ignition. Ground all equipment containing material. Do not ingest.

### 6. Exposure Control

- 6.1. Engineering Controls: Provide exhaust ventilation or other engineering controls to keep the airborne concentrations of vapors below their respective threshold limit value. Ensure that eyewash stations and safety showers are proximal to the work-station location.
- 6.2. Respiratory protection: NIOSH/MSHA or European Standard EN 149 approved respirator
- 6.3. Eye Protection: Protective eyeglasses or chemical safety goggles
- 6.4. Skin Protection: Wear appropriate protective gloves and clothes to minimize skin contact.
- 6.5. Other: Consult professionals if Red Yeast Rice need to be handled under some special conditions.



## 7. Hazards Identification

- 7.1. Hazardous overview: Red Yeast Rice is not classified as a Dangerous Substance
- 7.2. Contact with eyes: May cause eye irritation.
- 7.3. Contact with skin: May cause skin irritation.
- 7.4. Ingestion: May cause irritation of the digestive tract.
- 7.5. Inhalation: May cause respiratory tract irritation.
- 7.6. Other: Not Applicable

## 8. First Aid Measures

- 8.1. Contact with eyes: Flush immediately with plenty of water for 15 minutes and seek medical advice
- 8.2. Contact with skin: Wash the affected area with water, remove contaminated clothing and launder before re-use. Seek medical advice if irritation develops or persists.
- 8.3. Ingestion: Rinse mouth thoroughly with water and drink water afterwards.
- 8.4. Inhalation: Remove from exposure, move to fresh air and seek medical advice immediately.

## 9. Fire and Explosion Data

- 9.1. General information: May be combustible at high temperature
- 9.2. Flash point: Not available
- 9.3. Ignition control: Avoid ignition sources where red yeast rice Powder dust might be generated
- 9.4. Dust control: Keep the handling area with adequate ventilation
- 9.5. Extinguishing Media: Water spray, dry chemical or carbon dioxide
- 9.6. Spills/Leaks: Vacuum or sweep up material and place into a suitable disposal container

## 10. Transport Information

- 10.1. No special requirements and no restrictions on transportation by land, sea or air.

## 11. Ecological Information

- 11.1. Red yeast rice is fully biodegradable and the products of degradation are not toxic.

## 12. Other Information

- 12.1. This Safety Data Sheet of Red Yeast Rice is based upon a limited review of Foodchem International Corporation files and standard Toxicological handbooks. We make no warranty of merchantability or any other warranty, express or implied, with respect to such information, and we assume no liability resulting from its use. Users should make their own investigations to determine the suitability of the information for their particular purposes. In no event shall Foodchem International Corporation be liable for any claims, losses, or damages of any third party or for lost profits or any special, indirect, incidental, consequential or exemplary damages, howsoever arising, even if Foodchem International Corporation has been advised of the possibility of such damages.

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