

according to Regulation (EC) No. 1907/2006 as amended by (EC) No. 1272/2008

## Section 1. Identification of the Substance/Mixture and of the Company/Undertaking

- 1.1 Product Code:** 999998  
**Product Name:** Cinnamon Red Hot Concentrate
- 1.2 Relevant identified uses of the substance or mixture and uses advised against:**
- 1.3 Details of the Supplier of the Safety Data Sheet:**
- Company Name:** Perfumer's Apprentice **Phone Number:** (831)316-7137  
170 Technology Circle  
Scotts Valley, CA 95066
- Web site address:** Perfumersapprentice.com
- 1.4 Emergency telephone number:**  
**Emergency Contact:** Chem-Tel Phone (800)255-3924

## Section 2. Hazards Identification

- 2.1 Classification of the Substance or Mixture:**
- 2.1.1 Classification according to Regulation (EC) No 1272/2008 [CLP]:**
- 2.1.2 Classification according to Directive 1999/45/EC:**  
**Xn: Harmful**  
**Risk Phrases: R20/22, R36/37/38, R43**  
**For full text of R- phrases: see SECTION 15.**
- 2.2 Label Elements:**
- 2.2.1 Labeling according to Regulation (EC) No 1272/2008 [CLP]:**
- GHS Signal Word:** None  
**GHS Hazard Phrases:**  
No phrases apply.  
**GHS Precaution Phrases:**  
No phrases apply.  
**GHS Response Phrases:**  
No phrases apply.  
**GHS Storage and Disposal Phrases:**  
No phrases apply.
- 2.2.2 Labeling according to Directive 1999/45/EC:**



**Xn**

- 2.3 Adverse Human Health** Prolonged or repeated skin contact may cause dermatitis.  
**Effects and Symptoms:**  
Chronic: This is an experimental neoplastigen, tumorigen, and carcinogen.
- 2.3.1 Inhalation:** May be harmful if inhaled. Material is extremely destructive to the tissue of the mucous membranes and upper respiratory tract. Causes respiratory tract irritation. Material has a very low vapor pressure at room temperature, so inhalation exposures are not expected unless material is heated or misted.
- 2.3.2 Skin Contact:** May be harmful if absorbed through the skin. Causes skin burns. Prolonged and/or

repeated contact may cause defatting of the skin and dermatitis. Causes redness and pain. Contact with the skin may cause a local anesthetic effect. Material is a weak skin sensitizer. In an acute dermal irritation study in rats, two of six animals exhibited liver damage. Causes skin irritation. May cause skin sensitization, an allergic reaction, which becomes evident upon re-exposure to this material.

**2.3.3 Eye Contact:**

Causes eye burns. Causes severe eye irritation. Causes redness and pain.

**2.3.4 Ingestion:**

May be harmful if swallowed. May cause severe gastrointestinal tract irritation with nausea, vomiting and possible burns. Ingestion of large amounts may cause central nervous system depression. May cause gastrointestinal irritation with nausea, vomiting and diarrhea.

### Section 3. Composition/Information on Ingredients

CAS #	Hazardous Components (Chemical Name)/ REACH Registration No.	Concentration	EC No./ EC Index No.	Risk Phrases/ GHS Classification
104-55-2	Cinnamaldehyde	>=10.0 %	203-213-9 NA	N; R43-50
100-51-6	Benzenemethanol	1.0 -10.0 %	202-859-9 603-057-00-5	Xn; R20/22 Acute Tox.(O) 4: H302 Acute Tox.(I) 4: H332
97-53-0	Eugenol	1.0 -10.0 %	202-589-1 NA	Xn;Xi; Mu:3, R22-40-43-36/37/38

### Section 4. First Aid Measures

**4.1 Description of First Aid**

**Measures:**

**In Case of Inhalation:** If breathed in, move person into fresh air. If breathing is difficult, give oxygen. Get medical aid.

**In Case of Skin Contact:** Wash off with soap and plenty of water.

**Contact:**

**In Case of Eye Contact:** Rinse thoroughly with plenty of water for at least 15 minutes and consult a physician.

**Contact:**

**In Case of Ingestion:** Clean mouth with water and drink plenty of water.

**4.2 Important Symptoms and Effects, Both Acute and Delayed:**

Burning sensation, Cough, Wheezing, Laryngitis, Shortness of breath, Headache. Nausea. Vomiting.

**Acute and Delayed:**

**Note for the Doctor:** Treat symptomatically and supportively.

## Section 5. Fire Fighting Measures

- 5.1 Suitable Extinguishing Media:** Use water spray, dry chemical, carbon dioxide, or alcohol-resistant foam.
- 5.2 Flammable Properties and Hazards:**  
**Flash Pt:**  
**Explosive Limits:** LEL: UEL:  
**Autoignition Pt:**
- 5.3 Fire Fighting Instructions:** Wear self contained breathing apparatus for fire fighting if necessary.

## Section 6. Accidental Release Measures

- 6.1 Protective Precautions, Protective Equipment and Emergency Procedures:** Ensure adequate ventilation.
- 6.2 Environmental Precautions:**
- 6.3 Methods and Material For Containment and Cleaning Up:** Provide ventilation. Wash area with soap and water. Dike to collect large liquid spills.

## Section 7. Handling and Storage

- 7.1 Precautions To Be Taken in Handling:** Avoid contact with skin and eyes.
- 7.2 Precautions To Be Taken in Storing:** Keep container tightly closed in a dry and well-ventilated place. Handle in accordance with good industrial hygiene and safety practice.

## Section 8. Exposure Controls/Personal Protection

**8.1 Exposure Parameters:**

CAS #	Partial Chemical Name	Britain EH40	France VL	Europe
104-55-2	Cinnamaldehyde			
100-51-6	Benzenemethanol			
97-53-0	Eugenol			
CAS #	Partial Chemical Name	OSHA TWA	ACGIH TWA	Other Limits
104-55-2	Cinnamaldehyde			
100-51-6	Benzenemethanol			
97-53-0	Eugenol			



# SAFETY DATA SHEET

## Cinnamon Red Hot Concentrate

### 8.2 Exposure Controls:

**8.2.1 Engineering Controls (Ventilation etc.):** Facilities storing or utilizing this material should be equipped with an eyewash facility and a safety shower. Use adequate ventilation to keep airborne concentrations low. Use only under a chemical fume hood.

### 8.2.2 Personal protection equipment:

**Eye Protection:** Wear chemical splash goggles.

**Protective Gloves:** Handle with gloves.

**Other Protective Clothing:** Wear appropriate protective clothing to prevent skin exposure.

#### Respiratory Equipment (Specify Type):

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.

**Work/Hygienic/Maintenance Practices:** Handle in accordance with good industrial hygiene and safety practice. Wash hands before breaks and at the end of workday.

## Section 9. Physical and Chemical Properties

### 9.1 Information on Basic Physical and Chemical Properties

**Physical States:** [ ] Gas [X] Liquid [ ] Solid

**Appearance and Odor:** Transparent yellow liquid.  
Cinnamon taste and aroma.

**Melting Point:**

**Boiling Point:**

**Flash Pt:**

**Evaporation Rate:**

**Explosive Limits:** LEL: UEL:

**Vapor Pressure (vs. Air or mm Hg):**

**Vapor Density (vs. Air = 1):**

**Specific Gravity (Water = 1):**

**Solubility in Water:**

**Autoignition Pt:**

### 9.2 Other Information

**Percent Volatile:**

## Section 10. Stability and Reactivity

**10.1 Reactivity:**

**10.2 Stability:** Unstable [ ] Stable [X]

**10.3 Conditions To Avoid -** No data available.

**Hazardous Reactions:**

**Possibility of Hazardous Reactions:** Will occur [ ] Will not occur [X]

**10.4 Conditions To Avoid -**

**Instability:**

**10.5 Incompatibility -**

**Materials To Avoid:**

**10.6 Hazardous Decomposition Or**

**Byproducts:**

### Section 11. Toxicological Information

**11.1 Information on Toxicological Effects:** This mixture has not been subjected to toxicological testing but has been blended from materials with established toxicological bibliographies. In view of the difficulty of using current standard toxicological evaluation techniques to predict potential hazards to susceptible individuals or arising from unforeseeable potentiation, this preparation should be considered and handled as if it displayed health hazards and consequently treated with all possible precaution.

**Carcinogenicity:** NTP? No      IARC Monographs? No      OSHA Regulated? No

### Section 12. Ecological Information

**12.1 Toxicity:** This mixture as a whole has not been subjected to ecotoxicological testing. In view of the difficulty of using current standard ecotoxicological evaluation techniques to predict the impact of particular modes of release on vulnerable or localized parts of the ecosystem, this preparation should be considered and handled as if it displayed potential environmental hazards, and treated in consequence with all possible precaution.

**12.2 Persistence and Degradability:** No data available.

**12.3 Bioaccumulative Potential:** No data available.

**12.4 Mobility in Soil:** No data available.

**12.5 Results of PBT and vPvB assessment:**

**12.6 Other adverse effects:**

### Section 13. Disposal Considerations

**13.1 Waste Disposal Method:** This material, as supplied, is not a hazardous waste according to Federal regulations (40 CFR 261). This material could become a hazardous waste if it is mixed with or otherwise comes in contact with a hazardous waste, if chemical additions are made to this material, or if the material is processed or otherwise altered. Consult 40 CFR 261 to determine whether the altered material is a hazardous waste. Consult the appropriate state, regional, or local regulations for additional requirements.

### Section 14. Transport Information

**GHS Classification:** No GHS classifications apply.

**14.1 LAND TRANSPORT (US DOT):**

**DOT Proper Shipping Name:**

**DOT Hazard Class:**

**UN/NA Number:**

**14.1 LAND TRANSPORT (Canadian TDG):**

**TDG Shipping Name:** Not Regulated. No information available.

**14.1 LAND TRANSPORT (European ADR/RID):**

**ADR/RID Shipping Name:**

**UN Number:**

**Hazard Class:**

**Section 15. Regulatory Information**

**EPA SARA (Superfund Amendments and Reauthorization Act of 1986) Lists**

CAS #	Hazardous Components (Chemical Name)	S. 302 (EHS)	S. 304 RQ	S. 313 (TRI)
104-55-2	Cinnamaldehyde	No	No	No
100-51-6	Benzenemethanol	No	No	No
97-53-0	Eugenol	No	No	No

**This material meets the EPA**  Yes  No Acute (immediate) Health Hazard  
**'Hazard Categories' defined**  Yes  No Chronic (delayed) Health Hazard  
**for SARA Title III Sections**  Yes  No Fire Hazard  
**311/312 as indicated:**  Yes  No Sudden Release of Pressure Hazard  
 Yes  No Reactive Hazard

CAS #	Hazardous Components (Chemical Name)	Other US EPA or State Lists	International Regulatory
104-55-2	Cinnamaldehyde		REACH: (R), (P)
100-51-6	Benzenemethanol		REACH: (R), (P)
97-53-0	Eugenol		REACH: (R), (P)

**European Community Hazard Symbol codes:**



**Xn**

**European Community Risk and Safety Phrases:**

- R20/22 Harmful by inhalation and if swallowed.
- R36/37/38 Irritating to eyes, respiratory system and skin.
- R43 May cause sensitization by skin contact.
- S26 In case of contact with eyes, rinse immediately with plenty of water and seek medical advice.
- S24/25 Avoid contact with skin and eyes.
- S36/37/39 Wear suitable protective clothing, gloves and eye/face protection.

**Section 16. Other Information**

**Revision Date:** 03/27/2014

**Additional Information About**

**This Product:**

**Company Policy or**

**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 other process, unless specified in the text.