

**PRODUCT INFORMATION  
MATERIAL SAFETY DATA SHEET**

**PRODUCT:**       **WOOD CHUNKS/CHIPS/BITS/LOGS**

**Manufacturer Name & Address**

Mali's All Natural Barbeque Supply

**Mailing Address:** 161 Bramblewood Lane  
East Amherst, NY 14051

**Office Phone:** 800 289 6254  
**Fax:** 716 688 2795

**Physical Location:** 141 Lyons Rd  
Ennis, TX 75119

**Products Produced/Manufactured:** Wood Chunks, Chips, Bits  
**Wood Types:** Mesquite, Hickory, Apple, Alder, Pecan, Cherry, Oak

**Shipping Identification Code:** 112380 Wood Chips/chunks in boxes not charred, Class 50

**I. HAZARDOUS INGREDIENTS/IDENTITY INFORMATION**

| <u>Chemical or Common Name</u><br><u>Name/CAS</u> | <u>Percent</u> | <u>Exposure Limits</u>  |
|---|----------------|---|
| Wood Chips/Chunks/Bits<br>OSHA                    | 100            | OSHA OEL-TWA None<br>Occupational Safety &<br>Health Administration |
| ACGIH   |                | American Conference of<br>Governmental Industrial<br>Hygienists     |
| PEL   |                | Permissible Exposure Limit  |
| TWA   |                | Time Weighted Average   |
| TLV   |                | Threshold Limit Value   |
| STEL  |                | Short Term Exposure Limit   |

**APPEARANCE AND ODOR**

Chunks, Chips, and Bits generated from sawing and separation of hand cut natural hardwoods. Particles have slight variations in aromatic odor depending on species.

## II. PHYSICAL/CHEMICAL CHARACTERISTICS

|  |                  |
|--|------------------|
| Melting Point (°F or °C)               | N/A              |
| Boiling Point (°F or °C)               | N/A              |
| Vapor Pressure (mm Jg)                 | N/A              |
| Vapor Density (AIR = 1)                | N/A              |
| Specific Gravity (H <sub>2</sub> O =1) | Range 0.4 to 0.8 |
| Evaporation Rate (Butyl Acetate =1)    | N/A              |
| Solubility in Water                    | <0.1%            |
| % Volatile by Volume @ 70°F            | 0%               |

## III. FIRE AND EXPLOSION DATA

|                             |  |
|-----------------------------|--|
| Flash Point                 | N/A  |
| Flammable limits: LEL & UEL | N/A  |
| Extinguishing Media         | Water, Carbon Dioxide, Dry Chemical (Ammonium Phosphate), Sand   |
| Auto ignition Temperature   | 400-500°F  |
| Special Conditions          | Use water to wet wood and reduce dust.<br>Remove burned, charred, or wet wood particles to open and secured area after fire is extinguished. |

### \*UNUSUAL FIRE AND EXPLOSION HAZARDS

Depending on moisture content and more importantly, particle diameter, wood dust may explode. An airborne, concentration of 40 grams of dust per cubic meter or air is often used as the LEL for wood dusts.

## IV. REACTIVITY DATA

|                                       |   |
|---------------------------------------|---|
| Stability:                            | Stable  |
| Conditions To Avoid:                  | None  |
| Incompatibility (Materials to Avoid): | Avoid contact with oxidizing agents. Avoid open flame. Product may ignite at temperatures in excess of 400°F. |

### 1. HAZARDOUS DECOMPOSITION OR BY-PRODUCTS:

Thermal decomposition products include: carbon monoxide, carbon dioxide, aliphatic aldehydes, rosin acids, terpenes, and polycyclic aromatic hydrocarbons.

|                           |                |
|---------------------------|----------------|
| Hazardous Polymerization: | Will Not Occur |
| Conditions to Avoid       | None           |

## V. PRECAUTIONS FOR SAFE HANDLING AND USE

Steps to be taken in case material is released or spilled: Not Applicable for product in purchased form.

Wood dust may be vacuumed or shoveled for recovery or disposal. Avoid dusty conditions and provide good ventilation. Use NIOSH/MSHA approved respirator and goggles where ventilation is not possible.

### Waste Disposal Method:

If disposed or discarded in its purchased form, incineration is preferable. Dry land disposal is acceptable in most states. It is, however, the user's responsibility to determine at the time of disposal whether your product meets RCRA criteria for hazardous waste. Follow applicable federal, state, or local requirements.

### Precautions to be taken in Handling and Storage:

No special handling precautions are required. Keep in cool, dry place away from open flame.

### Other Precautions:

A NIOSH/MSHA approved respirator and goggles should be worn when the allowable exposure limits may be exceeded.

## VI. HEALTH HAZARD DATA

Primary Route(s) of Exposure:      Ingestion - None  
   Skin - Dust  
   Inhalation - Dust

Acute Health Hazard:      Symptoms of exposure/Emergency & First Aid Procedures  
   INGESTION: Not Applicable under normal use.

EYE CONTACT:      Wood dust may cause mechanical irritation.  
Treat dust in eye as foreign object. Flush with water to remove dust particle. Get medical attention if irritation persists.

SKIN CONTACT:      Wood dust can elicit allergic contact dermatitis in sensitized individuals, as well as, mechanical irritation resulting in erythema and hives. Get medical help if rash, irritation or dermatitis persists.

SKIN ABSORPTION:      Not known to occur under normal use.

INHALATION:      Wood dust may cause unpleasant deposit/obstruction in nasal passages, resulting in dryness of nose, dry cough, and headaches. Remove to fresh air; get medical help if persistent irritation, severe coughing or breathing difficulty occurs.

## **VI. HEALTH HAZARD DATA (Continued)**

Medical Conditions Generally Aggravated by Exposure:

Wood dust(s) may aggravate pre-existing respiratory conditions or allergies.

Chronic Health Hazards: Wood dust, depending on the species, may cause dermatitis on prolonged, repetitive contact; respiratory sensitization after prolonged exposure to elevated dust levels. Wood dust has been alleged to cause nasal/paranasal sinus cancer (particularly certain hardwoods, oak and beech).

Carcinogenicity Listing: Wood dust is not listed as a carcinogen by IARC, NIP, NCGIN, or OSHA.

## **VII. CONTROL MEASURES**

Personal Protective Equipment:

RESPIRATORY PROTECTION: Not Applicable for product in purchased form. A NIOSH/MSHA approved respirator and goggles are recommended when the allowable exposure limits may be exceeded.

PROTECTIVE GLOVES: Not required. Cloth, canvas, or leather gloves are recommended.

EYE PROTECTION: Not applicable for product in purchased form. Goggles or safety glasses are recommended.

OTHER PROTECTIVE CLOTHING OR EQUIPMENT: Not applicable for product in purchased form. Outer garments may be desirable in extremely dusty areas.

Work/Hygienic Practices:

Follow good hygienic and housekeeping practices. Clean up areas where dust settles to avoid excessive accumulation of this combustible material. Minimize blow down or other practices, which generate high airborne dust concentrations.

Ventilation:

LOCAL EXHAUST: Provide local exhaust as needed so that exposure limits are met.

MECHANICAL (General): Provide general ventilation in processing and storage areas as needed so that exposure limits are met.

SPECIAL: Self-Contained Breathing Apparatus (SCBA) is recommended when fighting fire.

## VIII. USER'S RESPONSIBILITY

The information contained in this Material Safety Data Sheet is based on the experience of occupational health and safety professionals and comes from sources believed to be accurate or otherwise technically correct. It is the user's responsibility to determine if this information is suitable for their applications and to follow safety precautions as may be necessary. The user has the responsibility to make sure that this sheet is the most up-to-date issue.

# Barbeque Wood Flavors Co.

- Specializing in Barbeque Woods -  
Mesquite - Hickory - Alder - Cherry - Apple - Other Woods

Description/name of product:

Wood Chips

Flavors and botanical name (Genus):

Hickory (Carya), Mesquite (Prosopis), Apple (Malus), Cherry (Prunus), Pecan (Carya), Alder (Alnus), Oak (Quercus), Maple (Acer)

Details of Manufacturing Process, Heat treatment, Method of drying, and Duration:

All trees are cut green, having a moisture content of 35% to 45%, depending on the time of season the wood is cut. The processing procedure begins with cutting the trees into 2-inch (50-MM) slices, with a maximum diameter of 12 inches (300 MM). The wood is then processed into chunks, chips or bits and screened for any impurities and is forced air-dried until the wood core temperature reaches 185 degrees Fahrenheit. It is then maintained at this temperature for a period of 8 hours. This process ensures the elimination of any pests, larva, and eggs.

Final moisture content:

Less than 18%

Dimensions of Final Product:

Approximately 1" x 1" block of wood

Is the timber bark free?

No

Have the goods been fully carbonized?

No

Timeframe from treatment to shipping

After the above mentioned heat treatment process, the product is then packaged into paper or plastic bags within 21 days of treatment

Signature

William Hudson

Title

Customer Service Representative

Date

2/2/2009