PRODUCT INFORMATION
MATERIAL SAFETY DATA SHEET

PRODUCT: WOOD CHUNKS/CHIPS/BITS/LOGS

Manufacturer Name & Address

LAZZARI FUEL COMPANY, LLC

Mailing Address: P.O. Box 34051
San Francisco, CA 94134

Office Phone: (415) 467-2970
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Physical Location 11 Industrial Way
Brisbane, CA 94005

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

Shipping Identification Code: 112380 Wood Chips/Chunks not charred, Class 50

I. HAZARDOUS INGREDIENTS/IDENTIFY INFORMATION

Chemical or Common Name / CAS	Percent	Exposure Limits
Wood Chips/Chunks/ Bits/Logs	100	OSHA OEL-TWA None
OSHA		Occupational Safety & Health Administration
ACGIH		American Conference of Governmental Industrial 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 handcut 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_2O =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. Remove burned, charred, or wet wood particles to open and secured area after fire is extinguished.

*UNUSUAL FIRE AN 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 aggravated 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 blowdown 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.