

# MEECO MFG CO LLC SAFETY DATA SHEET "Fatwood"

Prepared to U.S. OSHA, CMA, ANSI, Canadian WHMIS Standards, Australian WorkSafe, Japanese Industrial Standard JIS Z 7250:2000, and European

## 1. PRODUCT IDENTIFICATION

**TRADE NAME (AS LABELED):** Fatwood: 442, 442-4, 442-8, 442-10  
**CHEMICAL NAME/CLASS:** Natural pine stump with no additives.  
**PRODUCT USE:** All Natural Wood Firestarter  
**MANUFACTURER'S NAME:** MEECO MFG CO LLC  
**ADDRESS:** 19704 60<sup>th</sup> Ave NE, Arlington WA 98224  
**BUSINESS PHONE:** (206) 262-8340 (Product Information)  
**WEB SITE:** [www.meecomfg.com](http://www.meecomfg.com)  
**MSDS NUMBER:** New  
**DATE OF REVISION:** January 22, 2019

## 2. HAZARD IDENTIFICATION

**EU LABELING AND CLASSIFICATION:** This product meets the definition of the following hazard class as defined by the European Economic Community Guidelines.

**EU CLASSIFICATION:** None  
**EU RISK PHRASES:** None.  
**EU SAFETY PHRASES:** None

**EMERGENCY OVERVIEW: Product Description:** This product is a flammable solid. **Health Hazards:** No health hazards from this 100% natural product. **Flammability Hazards:** This product is flammable. **Environmental Hazards:** Release of this product to the environment is not expected cause harm to plants and animals. **Emergency Considerations:** In the event of fire or spill, adequate precautions must be taken for surrounding materials. Emergency responders must wear personal protective equipment suitable for the situation to which they are responding.

## 3. COMPOSITION and INFORMATION ON INGREDIENTS

Hazardous Ingredients:	CAS #	Hazardous	EC #	ICSC #	WT %	Hazard Symbol; Risk Phrases
Natural Pine Wood (Stump)	None	No	NE	NE	100%	HAZARD CLASSIFICATION: NONE RISK PHRASES: NONE
Other ingredients which are less than 1% in concentration (or 0.1% for carcinogens, reproductive toxins, or respiratory sensitizers).					Balance	Not applicable

NOTE: ALL WHMIS required information is included in appropriate sections based on the ANSI Z400.1-2004 format. This product has been classified in accordance with the hazard criteria of the CPR and the MSDS contains all the information required by the CPR, EU Directives and the Japanese Industrial Standard JIS Z 7250: 2000.

See Section 3 for full text of Risk Phrases and Safety Phrases

**COMPOSITION NOTE:** Fatwood is a by-product collected from the stumps of trees that have been harvested for lumber. Our products are 100% natural with no additives or chemicals of any kind and are SCS Certified. SCS is a leading certifier of forest management operations and wood product manufacturers whose goal is to recognize the highest levels of environmental protection and social responsibility. Fatwood is approximately 8" in length and 3/4" in diameter. Fatwood is made from splitting the stumps of pine trees that contain a high concentration of natural resin. We encourage responsible use of Fatwood products, which yields safe, clean and non toxic fires.

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**SYMPTOMS OF OVEREXPOSURE BY ROUTE OF EXPOSURE:** The significant routes of exposure are inhalation of smoke after ignition and possible burns. The symptoms of overexposure are described in the following paragraphs.

**INHALATION:** Inhalation of smoke during combustion may cause slight irritation.

**CONTACT WITH SKIN or EYES:** Smoke during combustion may cause mild irritation.

**INGESTION:** Non-toxic materials may cause mild irritation.

**HEALTH EFFECTS OR RISKS FROM EXPOSURE:**

**ACUTE:** None known

**CHRONIC:** None known

**TARGET ORGANS:** None known

## 4. FIRST-AID MEASURES

**SKIN EXPOSURE:** If this product contaminates the skin, wash area with soap and water.

**EYE EXPOSURE:** If smoke generated by this product enters the eyes, move to fresh air.

**INHALATION:** If smoke generated by this product are inhaled, remove contaminated individual to fresh air.

**INGESTION:** Routine use of this product is not expected to cause any situation which could lead to ingestion.

**MEDICAL CONDITIONS AGGRAVATED BY EXPOSURE:** Individuals with existing skin, eye or respiratory problems may be aggravated by the smoke generated by this product.

**RECOMMENDATIONS TO PHYSICIANS:** Treat symptoms and eliminate overexposure.

## 5. FIRE-FIGHTING MEASURES

**FLAMMABLE PROPERTIES:** Flammable Solid

**AUTOIGNITION TEMPERATURE:** Not Applicable

**FLAMMABLE LIMITS (in air by volume, %):** Not Applicable

**FIRE EXTINGUISHING MATERIALS:** Use fire extinguishing materials appropriate for surrounding fire.

Water Spray: Yes

Carbon Dioxide: Yes

Foam: Yes

Dry Chemical: Yes

Halon: Yes

Other: Any “C” Class

**UNUSUAL FIRE AND EXPLOSION HAZARDS:**

Explosion hazards in Presence of Various Substances:

None known

Special Remarks on Explosion Hazards:

None known

**SPECIAL FIRE-FIGHTING PROCEDURES:** Incipient fire responders should wear eye protection. Structural firefighters must wear Self-Contained Breathing Apparatus and full protective equipment. Isolate materials not yet involved in the fire and protect personnel.

## 6. ACCIDENTAL RELEASE MEASURES

**SMALL SPILL:** Pick up for reuse or place in an appropriate waste disposal container.

**LARGE SPILL:** Flammable solid.

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Re-use when possible. Pick up and place in appropriate container for reuse. Always dispose of in accordance with U.S. Federal, State, and local hazardous waste disposal regulations, those of Canada and its Provinces, those of Australia, Japan and EU Member States (see Section 13, Disposal Considerations).

## 7. HANDLING and STORAGE

**WORK PRACTICES AND HYGIENE PRACTICES:** Avoid breathing smoke generated by this product. Use in a well-ventilated location.

**STORAGE AND HANDLING PRACTICES:** Store containers in a cool, dry location, away from incompatible materials.

## 8. EXPOSURE CONTROLS - PERSONAL PROTECTION

**VENTILATION AND ENGINEERING CONTROLS:** Use with adequate ventilation to ensure exposure levels are maintained below the limits provided below. Use local exhaust ventilation, and process enclosure if necessary, to control airborne dust.

**EXPOSURE LIMITS/GUIDELINES:**

None established for this product.

*The following information on appropriate Personal Protective Equipment is provided to assist employers in complying with OSHA regulations found in 29 CFR Subpart I (beginning at 1910.132) or equivalent standard of Canada, or standards of EU member states (including EN 149 for respiratory PPE, and EN 166 for face/eye protection), and those of Japan. Please reference applicable regulations and standards for relevant details.*

**RESPIRATORY PROTECTION:** Maintain airborne contaminant concentrations below guidelines listed above, if applicable. If necessary, use only respiratory protection authorized in the U.S. Federal OSHA Respiratory Protection Standard (29 CFR 1910.134), equivalent U.S. State standards, Canadian CSA Standard Z94.4-93, the European Standard EN149, or EU member states. Oxygen levels below 19.5% are considered IDLH by OSHA. In such atmospheres, use of a full-facepiece pressure/demand SCBA or a full facepiece, supplied air respirator with auxiliary self-contained air supply is required under U.S. Federal OSHA's Respiratory Protection Standard (1910.134-1998) or the regulations of various U.S. States, Canada, EU Member States, or those of Japan. Air-purifying respirators with dust/mist/fume filters are recommended if operations may produce mists or sprays from this product.

**EYE PROTECTION:** Safety glasses. If necessary, refer to U.S. OSHA 29 CFR 1910.133, Canadian Standards, and the European Standard EN166, Australian Standards, or relevant Japanese Standards.

**HAND PROTECTION:** Use chemically-resistant gloves when handling this product. If necessary, refer to U.S. OSHA 29 CFR 1910.138, the European Standard DIN EN 374, the appropriate Standards of Canada, Australian Standards, or relevant Japanese Standards.

**BODY PROTECTION:** Use body protection appropriate for task (e.g. lab coat, overalls). If necessary, refer to appropriate Standards of Canada, or appropriate Standards of the EU, Australian Standards, or relevant Japanese Standards. If a hazard of injury to the feet exists due to falling objects, rolling objects, where objects may pierce the soles of the feet or where employee's feet may be exposed to electrical hazards, use foot protection, as described in U.S. OSHA 29 CFR 1910.136.

## 9. PHYSICAL and CHEMICAL PROPERTIES

**VAPOR DENSITY:** NA (Air=10)

**SPECIFIC GRAVITY @ 20C:** NA (water=1)

**SOLUBILITY IN WATER:** Insoluble

**VAPOR PRESSURE, mm Hg @ 20°C (68F):** NA

**ODOR THRESHOLD:** Odorless

**APPEARANCE, ODOR and COLOR:** Brown, solid sticks

**EVAPORATION RATE (n-BuAc=1):** NA

**MELTING POINT:** NA (53.6°F)

**BOILING POINT:** NA

**pH:** NA

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## 10. STABILITY and REACTIVITY

**STABILITY:** Stable under normal conditions.

**DECOMPOSITION PRODUCTS:** Incomplete combustion may form carbon monoxide.

**MATERIALS WITH WHICH SUBSTANCE IS INCOMPATIBLE:** None known

**HAZARDOUS POLYMERIZATION:** Will not occur.

**CONDITIONS TO AVOID:** None known

## 11. TOXICOLOGICAL INFORMATION

### TOXICITY DATA:

None Known

**SUSPECTED CANCER AGENT:** The components of this product are not found on the following lists: FEDERAL OSHA Z LIST, NTP, IARC, or CAL/OSHA and therefore are not considered to be, nor suspected to be, cancer-causing agents by these agencies.

**IRRITANCY OF PRODUCT:** This product is not irritating; however the smoke generated may be mildly irritating.

**SENSITIZATION TO THE PRODUCT:** None known

**REPRODUCTIVE TOXICITY INFORMATION:** Listed below is information concerning the effects of this product and its components on the human reproductive system.

**mutagenicity:** The components of this product are not reported to produce mutagenic effects in humans.

**Embryotoxicity:** The components of this product are not reported to produce embryotoxic effects in humans.

**Teratogenicity:** The components of this product are not reported to cause teratogenic effects in humans.

**Reproductive Toxicity:** The components of this product are not reported to cause reproductive effects in humans.

*A **mutagen** is a chemical which causes permanent changes to genetic material (DNA) such that the changes will propagate through generational lines. An **embryotoxin** is a chemical which causes damage to a developing embryo (i.e. within the first eight weeks of pregnancy in humans), but the damage does not propagate across generational lines. A **teratogen** is a chemical which causes damage to a developing fetus, but the damage does not propagate across generational lines. A **reproductive toxin** is any substance which interferes in any way with the reproductive process.*

**BIOLOGICAL EXPOSURE INDICES:** Currently, Biological Exposure Indices (BEIs) have not been determined for the components of this product.

## 12. ECOLOGICAL INFORMATION

ALL WORK PRACTICES MUST BE AIMED AT ELIMINATING ENVIRONMENTAL CONTAMINATION.

**ENVIRONMENTAL STABILITY:** The components of this product will slowly degrade under ambient environmental conditions to other organic compounds.

### ECOLOGICAL DATA:

None

## 13. DISPOSAL CONSIDERATIONS

**PREPARING WASTES FOR DISPOSAL:** Waste disposal must be in accordance with appropriate U.S. Federal, State, and local regulations, those of Canada, Australia, EU Member States and Japan.

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## 14. TRANSPORTATION INFORMATION

### US DOT, IATA, IMO, ADR:

**PROPER SHIPPING NAME:** Non-Regulated

**HAZARD CLASS NUMBER:** NA

**UN IDENTIFICATION NUMBER:** NA

**DOT LABEL(S) REQUIRED:** NA

**MARINE POLLUTANT:** Components of this product are not designated as a marine pollutant by the Department of Transportation (49 CFR 172.101, Appendix B).

**INTERNATIONAL AIR TRANSPORT ASSOCIATION SHIPPING INFORMATION (IATA):** This product is not considered as dangerous goods.

**INTERNATIONAL MARITIME ORGANIZATION SHIPPING INFORMATION (IMO):** This product is not considered as dangerous goods.

**EUROPEAN AGREEMENT CONCERNING THE INTERNATIONAL CARRIAGE OF DANGEROUS GOODS BY ROAD (ADR):** This product is not considered by the United Nations Economic Commission for Europe to be dangerous goods.

## 15. REGULATORY INFORMATION

### ADDITIONAL UNITED STATES REGULATIONS:

**U.S. SARA REPORTING REQUIREMENTS:** The components of this product are not subject to the reporting requirements of Sections 302, 304, and 313 of Title III of the Superfund Amendments and Reauthorization Act, and are listed as follows:

CHEMICAL NAME	SARA 302 (40 CFR 355, Appendix A)	SARA 304 (40 CFR Table 302.4)	SARA 313 (40 CFR 372.65)
Pine stump	No	No	No

### UNITED STATES REGULATIONS (continued):

**U.S. SARA THRESHOLD PLANNING QUANTITY:** There are no specific Threshold Planning Quantities for the components of this product. The default Federal MSDS submission and inventory requirement filing threshold of 10,000 lbs (4,540 kg) therefore applies, per 40 CFR 370.20.

**U.S. CERCLA REPORTABLE QUANTITY (RQ):** None

**U.S. TSCA INVENTORY STATUS:** The components of this product are not listed on the TSCA Inventory.

**OTHER U.S. FEDERAL REGULATIONS:** Not applicable.

**CALIFORNIA SAFE DRINKING WATER AND TOXIC ENFORCEMENT ACT (PROPOSITION 65):** No component of this product is on the Proposition 65 Lists.

### CANADIAN REGULATIONS:

**CANADIAN DSL/NDSL INVENTORY STATUS:** The components of this product are on the DSL or NDSL Inventories

**CANADIAN WHMIS CLASSIFICATION and SYMBOLS:**

Not Classified

### EUROPEAN ECONOMIC COMMUNITY INFORMATION:

**EU CLASSIFICATION:** None

**EU RISK PHRASES:** None

**EU SAFETY PHRASES:** None

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**EUROPEAN ECONOMIC COMMUNITY INFORMATION FOR CONSTITUENTS:** The following information is available for the components of this product.

Pine stump  
EU EINECS/ELINCS NUMBER: None

**AUSTRALIAN INFORMATION FOR PRODUCT:**

**AUSTRALIAN INVENTORY OF CHEMICAL SUBSTANCES (AICS) STATUS:** The components of this product are not listed on the AICS.

**JAPANESE INFORMATION FOR PRODUCT:**

**JAPANESE MINISTER OF INTERNATIONAL TRADE AND INDUSTRY (MITI) STATUS:** The components of this product are not listed as Class I Specified Chemical Substances, Class II Specified Chemical Substances, or Designated Chemical Substances by the Japanese MITI.

**JAPANESE ENCS INVENTORY:** The components of this product are not on the ENCS Inventory as indicated in the section on International Chemical Inventories.

## 16. OTHER INFORMATION

	<b>NFPA RATING</b>	
HAZARDOUS MATERIAL IDENTIFICATION SYSTEM	FLAMMABILITY	
HEALTH HAZARD (BLUE) 0	<b>1</b>	
FLAMMABILITY HAZARD (RED) 1	<b>0</b>	<b>0</b>
REACTIVITY HAZARD (YELLOW) 0	<b>0</b>	<b>0</b>
<b>PROTECTIVE EQUIPMENT</b>	--	REACTIVITY
EYES      RESPIRATORY      HANDS      BODY	OTHER	
SEE SECTION 8      SEE SECTION 8		
For Routine Industrial Use and Handling Applications		

Hazard Scale: 0 = Minimal 1 = Slight 2 = Moderate  
3 = Serious 4 = Severe \* = Chronic hazard

**PREPARED BY:** C SCHAEFER  
**DATE:** January 22, 2019

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