

MATERIAL SAFETY DATA SHEET

“Ocote Pine Firestarter”

Prepared to U.S. OSHA and European Directives

1. PRODUCT IDENTIFICATION

TRADE NAME (AS LABELED):	Ocote Pine
CHEMICAL NAME/CLASS:	Natural Wood of Ocote Pine
PRODUCT USE:	Wood Firestarter
MANUFACTURER'S NAME:	Nombre de la Empresa
ADDRESS:	Dirección de la Empresa
BUSINESS PHONE:	Teléfono de la empresa
WEB SITE:	Pagina Web de la Empresa
MSDS NUMBER:	New
DATE OF REVISION:	April 14, 2018

2. COMPOSITION and INFORMATION ON INGREDIENTS

Hazardous Ingredients	CAS #	Hazardous	EC #	IC SC #	WT %	Hazard Symbol; Risk
Natural Pine Wood	None	No	NE	NE	100	Hazard clasification: None
Other hazardous ingredients	NE				0	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

3. 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.

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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: 215 °C

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 (68°F): Non volatile

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	SARA 304	SARA 313
Ocote Pine	Non Listed	Non Listed	Non Listed

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.

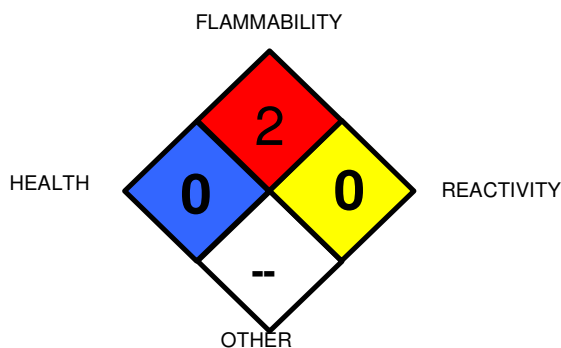
JAPANESE ENCS INVENTORY: The components of this product are not on the ENCS Inventory as indicated in the section on International Chemical Inventories.

16. OTHER INFORMATION

HAZARDOUS MATERIAL IDENTIFICATION SYSTEM			
HEALTH HAZARD		(BLUE)	0
FLAMMABILITY HAZARD		(RED)	2
REACTIVITY HAZARD		(YELLOW)	0
PROTECTIVE EQUIPMENT			
EYES	RESPIRATORY	HANDS	
BODY			
	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

NFPA RATING



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MSDS Authoring Services

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