

SAFETY DATA SHEET

D.D. Fiber

1. CHEMICAL PRODUCT AND COMPANY IDENTIFICATION

TRADE NAME: D.D. Fiber

CHEMICAL CLASS: Cellulose material

APPLICATIONS: Oil well drilling fluid additive - Lost Circulation Material (LCM)

EMERGENCY TELEPHONE: 405-544-6850

SUPPLIER: Chief Energy Services LLC
PO Box 1414
Chickasha, Oklahoma 73023

TELEPHONE: 405-544-6850
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CONTACT PERSON: James Belcher, Owner

2. COMPOSITION, INFORMATION ON INGREDIENTS

INGREDIENT NAME:	CAS No.:	CONTENTS :	EPA RQ:	TPQ:
Ground Cedar and other Wood Fiber		99-100 %		
Particulates Not Otherwise Classified (PNOC)		00-0 %		

3. HAZARDS IDENTIFICATION

EMERGENCY

OVERVIEW: CAUTION! MAY CAUSE EYE, SKIN AND RESPIRATORY TRACT IRRITATION - avoid contact with eyes, skin and clothing - avoid breathing airborne product - keep storage container closed - use with adequate ventilation and wash thoroughly after handling

May form explosive dust-air mixtures - slippery when wet - nuisance dust

HEALTH HAZARDS:

Particulates may cause mechanical irritation to the eyes, nose, throat and lungs - particulate inhalation may lead to pulmonary fibrosis, chronic bronchitis, emphysema and bronchial asthma - dermatitis and asthma

INHALATION: May be irritating to the respiratory tract if inhaled

INGESTION: May cause gastric distress, nausea and vomiting if ingested

SKIN: May be irritating to the skin.

EYES: May be irritating to the eyes.

CHRONIC EFFECTS: Chronic exposure may cause an allergic response due to allergens or fungi on the dust.

CARCINOGENICITY: IARC: Not listed. OSHA: Not regulated. NTP: Not listed.

ROUTE OF ENTRY: Inhalation - skin and/or eye contact

TARGET ORGANS: Respiratory system – lungs skin eyes

4. FIRST AID MEASURES

GENERAL:	Persons seeking medical attention should present a copy of this MSDS to their medical provider
INHALATION:	Move the exposed person to fresh air at once - perform artificial respiration if breathing has stopped – get medical attention
INGESTION:	Drink a couple of glasses water or milk - do not give victim anything to drink of he is unconscious - get medical attention
SKIN:	Wash skin thoroughly with soap and water - remove contaminated clothing - get medical attention if any discomfort continues
EYES:	Promptly wash eyes with lots of water while lifting the eye lids - continue to rinse for at least 15 minutes – get medical attention if any discomfort continues

5. FIRE FIGHTING MEASURES

AUTOIGNITION TEMPERATURE (° F):	N/D
FLAMMABILITY LIMIT-LOWER (%):	N/D
FLAMMABILITY LIMIT-UPPER (%):	N/D
EXTINGUISHING MEDIA:	Carbon Dioxide (CO2) Dry Chemical – Foam - Water Spray, Fog or Mist
SPECIAL FIRE FIGHTING PROCEDURES:	No specific fire fighting procedure given
FIRE OR EXPLOSION HAZARDS:	Dust in high concentrations may form explosive mixtures with air
HAZARDOUS COMBUSTION PRODUCTS:	Irritating gases – vapors – fumes, Oxides of: Carbon

6. ACCIDENTAL RELEASE MEASURES

PERSONAL PRECAUTIONS:	Wear proper personal protective equipment (Section 8)
SPILL CLEAN-UP PROCEDURES:	Avoid generating and spreading of dust - shovel into dry containers - cover and move the containers - flush the area with water - do not contaminate drainage or waterways Repackage or recycle if possible

7. HANDLING AND STORAGE

HANDLING PRECAUTIONS: Avoid rough handling that causes the generation of dust - wear full protective clothing for prolonged exposure and/or high dust concentrations - eye wash must be available at the work place - wash hands often and change clothing when needed - provide good ventilation - mechanical ventilation or local exhaust ventilation may be required

STORAGE PRECAUTIONS: Store at moderate temperatures in a dry and ventilated area - keep in original container

8. EXPOSURE CONTROLS, PERSONAL PROTECTION

INGREDIENT NAME:	CAS No.:	OSHA PEL: TWA:	STEL:	ACGIH TLV: TWA:	STEL:	OTHER: TWA:	STEL:	UNITS:
Ground Cedar and Other Wood Fiber		1		0.2				

PROTECTIVE EQUIPMENT:



ENGINEERING CONTROLS: Use appropriate engineering controls such as, exhaust ventilation and process enclosure, to reduce air contamination and keep worker exposure below the applicable limits

VENTILATION: Supply natural or mechanical ventilation adequate to exhaust airborne product and keep exposures below the applicable limits

RESPIRATORS: Use at least a NIOSH-approved N95 half-mask disposable or re-useable particulate respirator

PROTECTIVE GLOVES: Use suitable protective gloves if risk of skin contact

EYE PROTECTION: Wear dust resistant safety goggles where there is danger of eye contact

PROTECTIVE CLOTHING: Wear appropriate clothing to prevent repeated or prolonged skin contact

HYGIENIC WORK PRACTICES: Wash promptly with soap and water if skin becomes contaminated - change work clothing if there is any possibility of contamination

9. PHYSICAL AND CHEMICAL PROPERTIES

APPEARANCE/PHYSICAL STATE:	Fine to Course Fibers
COLOR:	Tan, Red & Brown
ODOR:	Characteristic odor.
SOLUBILITY DESCRIPTION:	Insoluble in water.
DENSITY/SPECIFIC GRAVITY (g/ml):	0.32
BULK DENSITY:	19.94 lb/ft ³
VAPOR DENSITY (air=1):	N/D
VAPOR PRESSURE:	N/D

10. STABILITY AND REACTIVITY

STABILITY:	Normally stable
CONDITIONS TO AVOID:	High Temperatures
HAZARDOUS POLYMERIZATION:	Will not polymerize
POLYMERIZATION DESCRIPTION:	N/A
MATERIALS TO AVOID:	Strong oxidizing agents
HAZARDOUS DECOMPOSITION:	No specific hazardous decomposition products

11. TOXICOLOGICAL INFORMATION

TOXICOLOGICAL INFORMATION:	No toxicological data is available
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12. ECOLOGICAL INFORMATION

ECOLOGICAL INFORMATION:	No ecological information available
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13. DISPOSAL CONSIDERATIONS

WASTE MANAGEMENT:	This product does not meet the criteria of a hazardous waste if discarded in its purchased form - Under RCRA, it is the responsibility of the user of the product to determine at the time of disposal, whether the product meets RCRA criteria for hazardous waste - this is because product uses, transformations, mixtures, processes, etc, may render the resulting materials hazardous. Empty containers retain residues - all labeled precautions must be observed.
DISPOSAL METHODS:	Recover and reclaim or recycle, if practical - should this product become a waste, dispose of in a Permitted Industrial Landfill - ensure that containers are empty by RCRA criteria prior to disposal in a Permitted Industrial Landfill

14. TRANSPORT INFORMATION

PRODUCT RQ:	N/A
U.S. DOT:	
U.S. DOT CLASS:	Not regulated.
CANADIAN TRANSPORT:	
TDGR CLASS:	Not regulated.

SEA TRANSPORT: IMDG

CLASS: Not regulated.

AIR TRANSPORT: ICAO

CLASS: Not regulated.

15. REGULATORY INFORMATION

REGULATORY STATUS OF INGREDIENTS:

NAME:	CAS No:	TSCA:	CERCLA:	SARA 302:	SARA 313:	DSL(CAN):
Cedar and Other Wood Fibers (raw)	N/A	No	No	No	N/A	N/A
Particulates Not Otherwise Classified (PNOC)						

US FEDERAL REGULATIONS:

WASTE CLASSIFICATION: Not a hazardous waste by U.S. RCRA criteria. See Section 13.

REGULATORY STATUS: This product or its components, if a mixture, is subject to following regulations (Not meant to be all inclusive - selected regulations represented):

SECTION 313: This product does not contain toxic chemical subject to the reporting requirements of Section 313 of Title III of the Superfund Amendment and Reauthorization Act of 1986 and 40 CFR Part 372.

SARA 311 Categories:
1: Immediate (Acute) Health Effects.
2: Delayed (Chronic) Health Effects.

The components of this product are listed on or are exempt from the following international chemical registries:

TSCA (U.S.)
DSL (Canada)

STATE REGULATIONS:

STATE REGULATORY STATUS: This product or its components, if a mixture, is subject to following regulations (Not meant to be all inclusive - selected regulations represented):
Illinois Right-to-Know. Pennsylvania Right-to-Know.

PROPOSITION 65: This product does not contain chemicals considered by the State of California's Safe Drinking Water and Toxic Enforcement Act of 1986 as causing cancer or reproductive toxicity, and for which warnings are now required

16. OTHER INFORMATION

NPCA HMIS HAZARD INDEX:	* 1 Slight Hazard
FLAMMABILITY:	1 Slight Hazard
REACTIVITY:	0 Minimal Hazard

NPCA HMIS PERS. PROTECT. INDEX: E - Safety Glasses, Gloves, Dust Respirator

USER NOTES: N/A = Not applicable N/D = Not determined

INFORMATION SOURCES: OSHA Permissible Exposure Limits, 29 CFR 1910, Subpart Z, Section 1910.1000, Air Contaminants.

ACGIH Threshold Limit Values and Biological Exposure Indices for Chemical Substances and Physical Agents (latest edition).

Sax's Dangerous Properties of Industrial Materials, 9th ed., Lewis, R.J. Sr., (ed.), VNR, New York, New York, (1997).

PREPARED BY: James Belcher

REVISION NUMBER

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DISCLAIMER:

MSDS furnished independent of product sale. While every effort has been made to accurately describe this product, some of the data are obtained from sources beyond our direct supervision. We cannot make any assertions as to its reliability or completeness; therefore, user may rely on it only at user's risk. We have made no effort to censor or conceal deleterious aspects of this product. Since we cannot anticipate or control the conditions under which this information and product may be used, we make no guarantee that the precautions we have suggested will be adequate for all individuals and/or situations. It is the obligation of each user of this product to comply with the requirements of all applicable laws regarding use and disposal of this product. Additional information will be furnished upon request to assist the user; however, no warranty either expressed or implied, nor liability of any nature, with respect to this product, or to the data herein is made or incurred hereunder.