

SECTION I -- IDENTIFICATION OF SUBSTANCE/PREPARATION AND COMPANY/UNDERTAKING

TRADE NAME: DUST FYGHTER LN100
CHEMICAL NAME: LIGNIN BASED DUST SUPPRESSANT
SYNONYMS: ENHANCED NATURAL POLYMER BASED DUST CONTROL AGENT
CHEMICAL FAMILY: LIGNINSULFONATE BASED MATERIAL
MOLECULAR WEIGHT: N/A
FORMULA: AMMONIUM LIGNINSULFONATE
CAS REGISTRY NO: PRODUCT A BLEND - NO NUMBER ASSIGNED

SECTION II -- COMPOSITION/INFORMATION ON INGREDIENTS

<u>NAME</u>	<u>CAS REG. NO.</u>	<u>WT.%</u>
LIGNINSULFONATE	8061-53-8	> 25 %

SECTION III -- HAZARDS IDENTIFICATION

Dust Fyghter LN100 is non-hazardous as defined per OSHA

SECTION IV -- FIRST AID MEASURES

EYES: Flush eyes with flowing water at least 15 minutes, get medical attention.
INHALATION: Move to fresh air if effects occur. If victim has stopped breathing give artificial respiration and get medical attention.
SKIN: Flush with large amount of water or wash with soap and water. Seek medical attention if irritation occurs.
INGESTION: Consult medical personnel. (Never give fluids or induce vomiting if patient is unconscious or having convulsions.)

SECTION V -- FIRE FIGHTING MEASURES

FLASH POINT (TEST METHOD): > 256 °F
EXTINGUISHING MEDIUM: Water spray or alcohol resistant foam, dry powder or carbon dioxide.
SPECIAL FIREFIGHTING PROCEDURES: Avoid breathing vapors or fumes. Wear self contained breathing apparatus and turn out gear. Frothing may occur when using water spray or foam to extinguish fire, caution should be used. Individuals should perform only those fire fighting procedures for which they are trained.

UNUSUAL FIRE AND EXPLOSION HAZARDS: Firefighters should wear self-contained breathing apparatus in the positive pressure mode with full facepiece when there is a possibility of exposure to smoke or fumes.

SECTION VI -- ACCIDENTAL RELEASE MEASURES

SPILL AND LEAK PROCEDURES:

Dike and control spill. Transfer liquid to containers for recovery or disposal. Keep spills out of municipal sewers and open bodies of water. Comply with all local, state and federal reporting regulations.

SECTION VII -- HANDLING AND STORAGE

STORAGE: Keep in a cool, dry, ventilated storage area and in closed containers. Avoid freezing.
HANDLING: Typical chemical handling practices.

SECTION VIII -- EXPOSURE CONTROL/PERSONAL PROTECTION

RESPIRATORY PROTECTION: Where exposure levels are expected to exceed acceptable criteria use NIOSH/OSHA approved respiratory equipment
VENTILATION: Good general ventilation should be sufficient.
EYE PROTECTION: Chemical splash goggles recommended.
PROTECTIVE CLOTHING: Impervious gloves recommended.

SECTION IX -- PHYSICAL AND CHEMICAL PROPERTIES

BOILING/MELTING POINT @ 760 mm Hg: > 212⁰F (100⁰C)
VAPOR PRESSURE mm Hg @ 20°C: N/D
SPECIFIC GRAVITY OR BULK DENSITY: 1.10 – 1.30
SOLUBILITY IN WATER: Complete
APPEARANCE: brown tinted liquid
ODOR: Slight musty odor
pH: 5 – 8

SECTION X -- STABILITY AND REACTIVITY

STABILITY: Stable
MATERIALS TO AVOID: Oxidizing materials and acids
HAZARDOUS DECOMPOSITION PRODUCTS: Burning produces oxides of carbon, sulfur and nitrogen
HAZARDOUS POLYMERIZATION: Does not occur
CONDITIONS TO AVOID: Heat, sparks, open flame.
OXIDIZER: No

SECTION XI -- TOXICOLOGICAL INFORMATION

HMIS

NFPA

Health:	1	Reactivity:	0	Health:	1	Reactivity:	0
Flammability:	1	Special:	-	Flammability:	1	Special:	-

EFFECTS OF OVEREXPOSURE:

EYES: May be slightly irritating to the eyes.
SKIN: Prolonged or repeated exposure may cause irritation, and skin dryness.
INHALATION: At room temperature, exposures are likely due to generation of mists; higher temperatures may generate vapor levels sufficient to cause irritation.
INGESTION: May cause digestive irritation or diarrhea.

SECTION XII -- ECOLOGICAL INFORMATION

When released into environment (soil / water) is expected to readily biodegrade.
This material is relatively non-toxic to aquatic life

SECTION XIII -- DISPOSAL CONSIDERATIONS

WASTE DISPOSAL METHOD: Dispose of solids and the contaminated diking material according to local, state and federal regulations.

CONTAINER DISPOSAL: Do not re-use containers.
Do not weld on metal containers.
Dispose of containers according to federal, state and local regulations.

SECTION XIV -- TRANSPORTATION INFORMATION

D.O.T. PROPER SHIPPING NAME (49CFR172.101):	None
HAZARDOUS SUBSTANCE (40CFR116):	N/A
REPORTABLE QUANTITY (RQ):	N/A
D.O.T. HAZARD CLASSIFICATION (49CFR172.101):	Non-regulated
D.O.T. LABELS REQUIRED: (49CFR172.101):	None
D.O.T. PLACARDS REQUIRED:	None
POISON CONSTITUENT (49CFR173.343):	N/A
BILL OF LADING DESCRIPTION:	Liquid dust suppression compound Ligninsulfonate based

SECTION XV-- REGULATORY INFORMATION

DUSTFYGHTER LN 100 is not restricted articles according to the Department of Transportation.

EPA SARA TITLE III hazard class:	None
OSHA HCS hazard class:	non-hazardous
EPA SARA TITLE III Section 313 (40CFR372) Toxic Chemicals present in quantities greater than the "de minimus" level are:	None
CERCLA Section 102(a) Hazardous Substance:	None
RCRA Hazardous Substance:	None
WHMIS Classification (Canada):	Irritant
TSCA listed:	Yes
DSL listed (Canada):	Yes

SECTION XVI -- OTHER INFORMATION

NOTICE: The information herein is presented in good faith and believed to be accurate as of the effective date shown below. However, no warranty, express or implied, is given. Regulator requirements are subject to change and may differ from one location to another; it is the buyer's responsibility to ensure that its activities comply with federal, state or provincial, and local laws.

ABBREVIATIONS AND SYMBOLS:

N.D. - Not Determined	N.A. - Not Applicable	N.T. - Not Tested
< - LESS THAN	> - MORE THAN	