

TREE BARK and WOOD DUST
Revision Date: JUN 25 2004

Page 1 of 7

MATERIAL SAFETY DATA SHEET - LANDSCAPING MULCH and WOOD DUST

SECTION 1 CHEMICAL PRODUCT AND COMPANY IDENTIFICATION

MANUFACTURER:

Wood Preservers, Inc
P.O. Box 158
15939 Historyland Highway
Warsaw, VA 22572

EMERGENCY TELEPHONE NUMBERS:

Wood Preservers, Inc. ---804-333-4022

SUBSTANCE: TREE BARK and WOOD DUST

TRADE NAMES/SYNONYMS: HARDWOOD BARK/MULCH; PINE BARK/MULCH;
WOOD CHIPS; DUST; SAW DUST; WOOD SHAVINGS

PRODUCT USE: Building/construction product, by-product

DATE PREPARED: Nov 20 2000

REVISION DATE: Jun 25 2004

SECTION 2 COMPOSITION, INFORMATION ON INGREDIENTS

COMPONENT: WOOD DUST, SOFTWOODS

CAS NUMBER: Not assigned.

PERCENTAGE: 0-100

COMPONENT: WOOD DUST, HARDWOODS

CAS NUMBER: Not assigned.

PERCENTAGE: 0-100

SECTION 3 HAZARDS IDENTIFICATION

NFPA RATINGS (SCALE 0-4): HEALTH=2 FIRE=2 REACTIVITY=0

Revision Date: JUN 25 2004

Page 2 of 7

EMERGENCY OVERVIEW

COLOR: natural wood

PHYSICAL FORM: dust

ODOR: faint pine or no odor

MAJOR HEALTH HAZARDS: Wood dust may cause: respiratory tract irritation, skin

irritation, eye irritation, allergic reactions, nasal cancer

PHYSICAL HAZARDS: Dust/air mixtures may ignite or explode.

POTENTIAL HEALTH EFFECTS

INHALATION

SHORT TERM EXPOSURE: Wood dust may cause: irritation of the nasal passages,

throat, upper lung passages and lungs, allergic reactions, wheezing, cough

LONG TERM EXPOSURE: Same as effects reported in short term exposure, nasal cancer

SKIN CONTACT

SHORT TERM EXPOSURE: Wood dust may cause: irritation, allergic reactions, rash

LONG TERM EXPOSURE: Same as effects reported in short term exposure

EYE CONTACT

SHORT TERM EXPOSURE: Irritation

LONG TERM EXPOSURE: Same as effects reported in short term exposure

INGESTION

SHORT TERM EXPOSURE: Ingestion of harmful amounts is unlikely

LONG TERM EXPOSURE: Ingestion of harmful amounts is unlikely

Visible levels of wood dust from sawing or sanding wood does not indicate that an overexposure will occur. When visibility is impaired due to high levels of wood dust, take precautions to minimize exposure and against possible explosions. Have exposures evaluated by a safety and health professional (e.g., a certified industrial hygienist - CIH).

SECTION 4 FIRST AID MEASURES

INHALATION: Remove from exposure. Get medical attention, if needed.

SKIN CONTACT: Wash exposed skin with soap and water. Get medical attention if

irritation develops.

EYE CONTACT: Flush eyes with plenty of water. Get medical attention, if needed.

INGESTION: It is unlikely that emergency treatment will be required. Get medical attention, if needed.

Revision Date: JUN 25 2004

SECTION 5 FIRE FIGHTING MEASURES

FIRE AND EXPLOSION HAZARDS: Moderate fire hazard. Dust/air mixtures may ignite or explode.

EXTINGUISHING MEDIA: Regular dry chemical, carbon dioxide, water, regular foam.

Large fires: Use regular foam or flood with fine water spray.

FIRE FIGHTING: Use extinguishing agents appropriate for surrounding fire. Avoid inhalation of material or combustion by-products.

LOWER FLAMMABLE LIMIT: 0.035 oz/ft³

AUTOIGNITION: 450 F (232 C)

SECTION 6 ACCIDENTAL RELEASE MEASURES

OCCUPATIONAL RELEASE

Collect spilled material in appropriate container for disposal.

SECTION 7 HANDLING AND STORAGE

STORAGE: Avoid heat, flames, sparks and other sources of ignition. Store in a cool, dry place.

HANDLING: Wash thoroughly after handling. Minimize dust generation and accumulation.

Revision Date: JUN 25 2004

Page 4 of 7

SECTION 8 EXPOSURE CONTROLS, PERSONAL PROTECTION

EXPOSURE LIMITS

WOOD DUST, SOFTWOODS

SOFT WOOD DUST

5 mg/m³ OSHA TWA (vacated by 58 FR 35338, June 30, 1993)

10 mg/m³ OSHA STEL (vacated by 58 FR 35338, June 30, 1993)

5 mg/m³ ACGIH TWA

10 mg/m³ ACGIH STEL

WOOD DUST, HARDWOODS

HARD WOOD DUST

5 mg/m³ OSHA TWA (vacated by 58 FR 35338, June 30, 1993)

10 mg/m³ OSHA STEL (vacated by 58 FR 35338, June 30, 1993)

1 mg/m³ ACGIH TWA

VENTILATION: Provide local exhaust ventilation system when necessary to ensure

compliance with applicable exposure limits for wood dusts. Ventilation equipment should be explosion-resistant if explosive concentrations of wood dusts are present. To avoid static sparks, electrically ground and bond all equipment used in and around processes that involve wood dust generation.

EYE PROTECTION: Safety glasses or goggles are recommended when working with this product.

CLOTHING: Protective clothing is not required under normal conditions.

GLOVES: Standard work gloves are recommended.

PROTECTIVE MATERIAL TYPES: Leather, cotton

RESPIRATOR: Respirators should be selected by and used under the direction of a trained health and safety professional, following requirements found in OSHA's respirator standard (29 CFR 1910.134).

SECTION 9 PHYSICAL AND CHEMICAL PROPERTIES

PHYSICAL STATE: solid

APPEARANCE: light to dark

COLOR: natural wood to dark bark

Revision Date: JUN 25 2004

Page 5 of 7

PHYSICAL FORM: dust

ODOR: faint pine or no odor

BOILING POINT: Not applicable

MELTING POINT: Not available

VAPOR PRESSURE: Not applicable

VAPOR DENSITY: Not applicable

SPECIFIC GRAVITY: Not available

WATER SOLUBILITY: insoluble

PH: Not applicable

VOLATILITY: Not applicable

ODOR THRESHOLD: Not available

EVAPORATION RATE: Not applicable

COEFFICIENT OF WATER/OIL DISTRIBUTION: Not available

SECTION 10 STABILITY AND REACTIVITY

REACTIVITY: Stable at normal temperatures and pressure.

CONDITIONS TO AVOID: Avoid heat, flames, sparks and other sources of ignition.

INCOMPATIBILITIES

Oxidizing materials such as chlorine, nitric and sulfuric acids.

HAZARDOUS DECOMPOSITION

Thermal decomposition products: oxides of carbon, aldehydes, organic acids, smoke

POLYMERIZATION: Will not polymerize.

SECTION 11 TOXICOLOGICAL INFORMATION

WOOD DUST, SOFTWOODS

CARCINOGEN STATUS: NTP: Known Human Carcinogen; IARC: Human Sufficient Evidence, Animal Inadequate Evidence, Group 1

LOCAL EFFECTS

Irritant: inhalation, skin, eye

TARGET ORGANS: immune system (sensitizer)

MEDICAL CONDITIONS AGGRAVATED BY EXPOSURE: respiratory disorders, skin disorders and allergies

Revision Date: JUN 25 2004

Page 6 of 7

WOOD DUST, HARDWOODS

CARCINOGEN STATUS: NTP: Known Human Carcinogen; IARC: Human Sufficient Evidence, Animal Inadequate Evidence, Group 1; ACGIH: A1 -Confirmed Human Carcinogen (certain hard woods as beech & oak)

LOCAL EFFECTS

Irritant: inhalation, skin, eye

TARGET ORGANS: immune system (sensitizer)

MEDICAL CONDITIONS AGGRAVATED BY EXPOSURE: respiratory disorders, skin disorders and allergies

SECTION 12 ECOLOGICAL INFORMATION

Fine particulates in high concentrations may cause gill coating in aquatic animals.

SECTION 13 DISPOSAL CONSIDERATIONS

This material is not a hazardous waste in accordance with 40 CFR 261. Dispose of this material in a licensed landfill and follow local and/or state regulations.

SECTION 14 TRANSPORT INFORMATION

U.S. DEPARTMENT OF TRANSPORTATION: No classification assigned.

SECTION 15 REGULATORY INFORMATION

U.S. REGULATIONS

CERCLA SECTIONS 102a/103 HAZARDOUS SUBSTANCES (40 CFR 302.4): Not regulated.

SARA TITLE III SECTION 302 EXTREMELY HAZARDOUS SUBSTANCES (40 CFR 355.30)

Not regulated.

Revision Date: JUN 25 2004

Page 7 of 7

SARA TITLE III SECTION 304 EXTREMELY HAZARDOUS SUBSTANCES (40 CFR 355.40)

Not regulated.

SARA TITLE III SARA SECTIONS 311/312 HAZARDOUS CATEGORIES (40 CFR 370.21)

ACUTE: No

CHRONIC: No

FIRE: No

REACTIVE: No

SUDDEN RELEASE: No

SARA TITLE III SECTION 313 (40 CFR 372.65): Not regulated.

OSHA PROCESS SAFETY (29CFR1910.119): Not regulated.

STATE REGULATIONS

California Proposition 65: Not regulated.

NATIONAL INVENTORY STATUS

U.S. INVENTORY (TSCA): All components of this product are in compliance.

TSCA 12(b) EXPORT NOTIFICATION: Not listed.

SECTION 16 OTHER INFORMATION

The information set forth herein is offered as a service to Wood Preservers' customers and is not intended to relieve a customer from its responsibility to determine the suitability of this information for their particular purposes, to comply with all laws and procedures regarding the safe use of these materials, and to use these materials in a safe manner.