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## MATERIAL SAFETY DATA SHEET

**TRADE NAME** WOOD DUST (UNTREATED)

**SYNONYMS** NONE

**CAS NO.** NONE

**DESCRIPTION** PARTICLES GENERATED BY ANY MANUAL OR MECHANICAL CUTTING OR ABRASION PROCESS PERFORMED ON WOOD.

### PHYSICAL DATA

BOILING POINT NOT APPLICABLE  
SPECIFIC GRAVITY VARIABLE (DEPENDENT ON WOOD SPECIES & MOISTURE CONTENT)

VAPOR DENSITY NOT APPLICABLE  
% VOLATILES BY VOL NOT APPLICABLE  
MELTING POINT NOT APPLICABLE  
VAPOR PRESSURE NOT APPLICABLE  
SOLUBILITY IN WATER NOT APPLICABLE  
(% BY WT.)  
EVAPORATION RATE INSOLUBLE  
(BUTYL ACETATE - 1)

pH NOT APPLICABLE  
APPEARANCE & ODOR NOT APPLICABLE  
LIGHT TO DARK COLORED GRANULAR SOLID. COLOR AND ODOR ARE DEPENDENT ON THE WOOD SPECIES AND TIME SINCE DUST WAS GENERATED.

### FIRE AND EXPLOSION DATA

FLASH POINT NOT APPLICABLE  
AUTOIGNITION TEMPERATURE VARIABLE (TYPICALLY 400°-500°F)  
EXPLOSIVE LIMITS IN AIR 40 GRAMS/m<sup>3</sup> (LEL)  
EXTINGUISHING MEDIA WATER, CO<sub>2</sub>, SAND  
SPECIAL FIRE FIGHTING PROCEDURES USE WATER TO WET DOWN WOOD DUST TO REDUCE THE LIKELIHOOD OF IGNITION OR DISPERSION OF DUST INTO THE AIR. REMOVE BURNED OR WET DUST TO OPEN AREA AFTER FIRE IS EXTINGUISHED.

UNUSUAL FIRE & EXPLOSION HAZARD WOOD DUST IS A STRONG TO SEVERE EXPLOSION HAZARD IF A DUST "CLOUD" CONTACTS AN IGNITION SOURCE.

## REACTIVITY DATA

CONDITIONS CONTRIBUTING TO  
INSTABILITY  
INCOMPATIBILITY

STABLE UNDER NORMAL CONDITIONS  
AVOID CONTACT WITH OXIDIZING AGENTS AND DRYING  
OILS. AVOID OPEN FLAMES. PRODUCT MAY IGNITE AT  
TEMPERATURES IN EXCESS OF 400°F.

HAZARDOUS DECOMPOSITION  
PRODUCTS

THERMAL OXIDATIVE DEGRADATION OF WOOD PRODUCES  
IRRITATING AND TOXIC FUMES AND GASES, INCLUDING  
CO, ALDEHYDES, AND ORGANIC ACIDS.

CONDITIONS CONTRIBUTING TO  
POLYMERIZATION

NOT APPLICABLE

## HEALTH EFFECTS INFORMATION

EXPOSURE LIMIT

ACGIH TLV (r):  
TWA - 5.0 mg/m<sup>3</sup> (SOFTWOOD)  
STEL (15 MIN.) - 10.0 mg/m<sup>3</sup> (SOFTWOOD)  
TWA - 1.0 mg/m<sup>3</sup> (CERTAIN HARDWOODS SUCH AS BEECH  
AND OAK)

SKIN AND EYE CONTACT

OSHA PEL:  
TWA - 15.0 mg/m<sup>3</sup> (TOTAL DUST)  
5.0 mg/m<sup>3</sup> (RESPIRABLE FRACTION)  
WOOD DUST CAN CAUSE EYE IRRITATION. VARIOUS  
SPECIES OF WOOD DUST CAN ELICIT ALLERGIC  
CONTACT DERMATITIS IN SENSITIZED INDIVIDUALS.  
NOT APPLICABLE

INGESTION  
SKIN ABSORPTION  
INHALATION

NOT KNOWN TO OCCUR  
MAY CAUSE NASAL DRYNESS, IRRITATION AND  
OBSTRUCTION. COUGHING, WHEEZING AND SNEEZING;  
SINUSITIS AND PROLONGED COLDS HAVE ALSO BEEN  
REPORTED.

CHRONIC EFFECTS

WOOD DUST, DEPENDING ON SPECIES, MAY CAUSE  
DERMATITIS ON PROLONGED, REPETITIVE CONTACT;  
MAY CAUSE RESPIRATORY SENSITIZATION AND/OR  
IRRITATION. IARC CLASSIFIES WOOD DUST AS A  
CARCINOGEN TO HUMANS (GROUP 1). THIS CLASSI-  
FICATION IS BASED PRIMARILY ON IARC'S EVALUATION  
OF INCREASED RISK IN THE OCCURENCE OF ADENO-  
CARCINOMAS OF THE NASAL CAVITIES AND PARANASAL  
SINUSES ASSOCIATED WITH EXPOSURE TO WOOD DUST.  
IARC DID NOT FIND SUFFICIENT EVIDENCE TO  
ASSOCIATE CANCERS OF THE OROPHARYNX, HYPO-  
PHARYNX, LUNG, LYMPHATIC AND HEMATOPOIETIC  
SYSTEMS, STOMACH, COLON OR RECTUM WITH  
EXPOSURE TO WOOD DUST.

## PRECAUTIONS AND SAFE HANDLING

AVOID EYE CONTACT.  
AVOID REPEATED OR PROLONGED CONTACT WITH SKIN. CAREFUL BATHING AND CLEAN CLOTHES ARE INDICATED AFTER EXPOSURE.  
AVOID PROLONGED OR REPEATED BREATHING OF WOOD DUST IN THE AIR.  
AVOID CONTACT WITH OXIDIZING AGENTS AND DRYING OILS.  
AVOID OPEN FLAME.

## GENERALLY APPLICABLE CONTROL MEASURES

VENTILATION	PROVIDE ADEQUATE GENERAL AND LOCAL EXHAUST VENTILATION TO MAINTAIN HEALTHFUL WORKING CONDITIONS.
PERSONAL PROTECTIVE EQUIPMENT	WEAR GOGGLES OR SAFETY GLASSES. OTHER PROTECTIVE EQUIPMENT SUCH AS GLOVES AND APPROVED DUST RESPIRATORS MAY BE NEEDED DEPENDING UPON DUST CONDITIONS.

## EMERGENCY AND FIRST AID PROCEDURES

EYES	FLUSH WITH WATER TO REMOVE DUST PARTICLES. REMOVE TO FRESH AIR. IF IRRITATION PERSISTS, GET MEDICAL ATTENTION.
SKIN	WASH AFFECTED AREAS WITH SOAP AND WATER. GET MEDICAL ADVICE IF RASH OR PERSISTENT IRRITATION OR DERMATITIS OCCURS.
INHALATION	REMOVE TO FRESH AIR. GET MEDICAL ADVICE IF PERSISTENT IRRITATION, SEVERE COUGHING OR BREATHING DIFFICULTY OCCURS.
INGESTION	NOT APPLICABLE

## SPILL/LEAK CLEAN-UP PROCEDURES

SWEEP OR VACUUM SPILLS FOR RECOVERY OR DISPOSAL. AVOID CREATING DUST CONDITIONS. PROVIDE GOOD VENTILATION WHERE DUST CONDITIONS MAY OCCUR. PLACE RECOVERED WOOD DUST IN A CONTAINER FOR PROPER DISPOSAL.

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