

MATERIAL SAFETY DATA SHEET
LISBON FALLS PLANT

VersaKor® Industrial Fiberboard

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-----SECTION 1. MATERIAL IDENTIFICATION -----

PRODUCT NAME: VersaKor® Industrial Fiberboard

-----SECTION 2. INGREDIENTS AND HAZARDS -----

INGREDIENTS AND HAZARDS	%	EXPOSURE LIMITS
WOOD FIBER (USE OF THESE PRODUCTS MAY CREATE WOOD DUST)	LESS THAN 98	OSHA TWA: 5 MG/M3 STEL: 10 MG/M3 PEL 15 MG/M3 - TOTAL 5 MG/M3 - RESPIRABLE ACGIH TLV-TWA: 5 MG/M3 (SOFTWOODS) STEL: 10 MG/M3 (SOFTWOODS) TLV-TWA: 1 MG/M3 (HARDWOODS)
STARCH (CAS 9005-25-8)	TRADE SECRET	PEL - 15 MG/M3 - TOTAL 5 MG/M3 - RESPIRABLE
PARAFFIN WAX (CAS 8002-74-2)	TRADE SECRET	TWA 2 MG/M3 (FUMES)
CLAY (CAS 1332-58-7)	TRADE SECRET	TLV 10 MG/M3
TITANIUM DIOXIDE	TRADE SECRET	

(CAS 13463-67-7)

TLV 10 MG/M3
PEL 10 MG/M3 - TOTAL
5 MG/M3 - RESPIRABLE

CALCIUM CARBONATE
(CAS 00471-34-1)

TRADE SECRET

TLV 10 MG/M3
PEL 15 MG/M3 - TOTAL
5 MG/M3 - RESPIRABLE

ALUMINUM SULFATE
(CAS 10043-01-3)

TRADE SECRET

TLV 2MG/M3
PEL 2MG/M3

-----SECTION 3. PHYSICAL DATA -----

SOLUBILITY IN WATER: NIL

SPECIFIC GRAVITY (H2O = 1): 0.2 - 0.4

APPEARANCE AND ODOR: BROWN COLORED BOARD, LOW ODOR.

-----SECTION 4. FIRE AND EXPLOSION DATA -----

FLASH POINT AND METHOD: NONE

AUTOIGNITION TEMPERATURE: VARIABLE 390 DEG. - 500 DEG. F.

FLAMMABILITY LIMITS IN AIR: VARIABLE

EXTINGUISHING MEDIA: WATER, FOAM.

UNUSUAL FIRE/EXPLOSION HAZARDS:

THERE ARE NO UNUSUAL FIRE OR EXPLOSION HAZARDS ASSOCIATED WITH THESE PRODUCTS. WOOD DUST REQUIRES 0.040 JOULES/MINUTES OF ENERGY FOR IGNITION AND CAN PRODUCE AN EXPLOSION PRESSURE OF 113 PSIG. MAX.

SPECIAL FIRE FIGHTING PROCEDURES:

WHEN EXPOSED TO FUMES, WEAR A SELF-CONTAINED BREATHING APPARATUS (SCBA) WITH FULL FACE PIECE OPERATED IN THE PRESSURE-DEMAND OR POSITIVE PRESSURE MODE.

COMMENTS:

IF WOOD DUST IS BEING PRODUCED FROM THIS PRODUCT, IT SHOULD BE KEPT IN A COOL, DRY PLACE AWAY FROM IGNITION SOURCES. HOT, HUMID STORAGE CAN RESULT IN SPONTANEOUS COMBUSTION.

-----SECTION 5. REACTIVITY DATA -----

AVOID CONTACTING WOOD DUST WITH OXIDIZING AGENTS AND WITH DRYING OILS.

-----SECTION 6. HEALTH HAZARD INFORMATION -----

STABILITY: STABLE

HAZARDOUS DECOMPOSITION PRODUCTS:
CARBON DIOXIDE, CARBON MONOXIDE. UNDER FIRE CONDITIONS, ASIDE FROM THE ABOVE, FUMES, SMOKE, HYDROGEN SULFIDE, SULFUR OXIDES, ALDEHYDES, AND OTHER DECOMPOSITION PRODUCTS.

HAZARDOUS POLYMERIZATION: WILL NOT OCCUR.

EFFECTS OF OVEREXPOSURE:
AVOID PROLONGED REPEATED BREATHING OF WOOD DUST. REPEATED EXPOSURES TO CERTAIN WOOD DUSTS MAY PRODUCE SUCH ALLERGIC RESPONSES AS DERMATITIS, ASTHMA AND BRONCHITIS

EMERGENCY AND FIRST AID PROCEDURES:

EYE CONTACT:
FLUSH EYES, INCLUDING UNDER EYELIDS, THOROUGHLY WITH WATER.

SKIN:
WASH WITH SOAP AND WATER.

INHALATION:
REMOVE FROM EXPOSURE.

INGESTION:
CONTACT PHYSICIAN.

-----SECTION 7. SPILL, LEAK, AND DISPOSAL PROCEDURES -----

SPILL/LEAK:
PICK UP.

WASTE DISPOSAL METHOD:

IN ACCORDANCE WITH FEDERAL, STATE AND LOCAL REGULATIONS.

-----SECTION 8. SPECIAL PROTECTION INFORMATION -----

RESPIRATORY PROTECTION:

APPROPRIATE NIOSH RESPIRATOR, APPROVED FOR ITEMS LISTED IN SECTION 2 SHOULD BE USED WHEN CUTTING OR SAWING THESE PRODUCTS. AVOID INHALATION OF WOOD DUST.

VENTILATION:

IF CREATING WOOD DUST IN ENCLOSED ENVIRONMENTS, USE GENERAL AND LOCAL MAXIMUM EXPLOSION PROOF VENTILATION TO MEET TLV'S CITED IN SECTION 2. USE VACUUM SYSTEMS RATHER THAN COMPRESSED AIR BLOWERS TO REMOVE WOOD DUST.

EYE PROTECTION:

ALWAYS WEAR EYE PROTECTION IN ENVIRONMENTS WHICH MAY CONTAIN WOOD DUSTS. DO NOT WEAR CONTACT LENSES IN AREAS CONTAINING WOOD DUST. MAKE EYE WASH STATIONS, SAFETY SHOWERS, AND WASHING FACILITIES AVAILABLE.

COMMENTS:

ALWAYS PRACTICE GOOD PERSONAL HYGIENE WHEN USING THESE PRODUCTS. AFTER COMING IN CONTACT, WASH HANDS BEFORE EATING, DRINKING OR SMOKING. DO NOT EAT, DRINK OR SMOKE IN AREAS WHERE THESE PRODUCTS ARE BEING CUT OR SAWN.

-----SECTION 9. SPECIAL PRECAUTIONS AND COMMENTS -----

WOOD DUST CAN CAUSE LUNG, UPPER RESPIRATORY TRACT, EYE AND SKIN IRRITATION. SOME WOOD SPECIES MAY CAUSE DERMATITIS AND/OR ALLERGIC RESPIRATORY EFFECTS. THE INTERNATIONAL AGENCY FOR RESEARCH ON CANCER (IARC) HAS CLASSIFIED WOOD DUST AS A NASAL CARCINOGEN IN HUMANS. WOOD DUST REPRESENTS AN EXPLOSION HAZARD IF A DUST CLOUD CONTACTS AN IGNITION SOURCE, OR MAY SPONTANEOUSLY IGNITE IN CONTACT WITH STRONG OXIDIZERS. AVOID DUST CONTACT WITH IGNITION SOURCES. SWEEP OR VACUUM DUST FOR RECOVERY OR DISPOSAL. AVOID PROLONGED OR REPEATED BREATHING OF WOOD DUST. AVOID DUST CONTACT WITH SKIN OR EYES.

IMPORTANT:

THIS INFORMATION IS OFFERED IN GOOD FAITH. ALTHOUGH REASONABLE CARE HAS BEEN TAKEN IN THE PREPARATION OF THIS INFORMATION, KNIGHT-

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