

M A T E R I A L   S A F E T Y   D A T A   S H E E T

4485-W-F-C WOOD FLOUR CEMENT

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PRODUCT NAME: 4485-W-F-C WOOD FLOUR CEMENT
PRODUCT CODE: 6WDFL-WFS-VOC

HMIS CODES: H F R P
2 2 0 G

SECTION I - MANUFACTURER IDENTIFICATION

MANUFACTURER'S NAME: WOOD KOTE PRODUCTS INC.
ADDRESS : 8000 NE 14TH PLACE
PORTLAND, OR 97211

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SECTION II - HAZARDOUS INGREDIENTS/SARA III INFORMATION

Table with 4 columns: REPORTABLE COMPONENTS, CAS NUMBER, VAPOR PRESSURE (mm Hg @ TEMP), and WEIGHT PERCENT. Lists various solvents and their properties.

\* INDICATES TOXIC CHEMICAL(S) SUBJECT TO THE REPORTING REQUIREMENTS OF SECTION 313 OF TITLE III AND OF 40 CFR 372.

SECTION III - PHYSICAL/CHEMICAL CHARACTERISTICS

BOILING RANGE: 133 F - 464 F SPECIFIC GRAVITY (H2O=1): 0.87
VAPOR DENSITY: HEAVIER THAN AIR EVAPORATION RATE: SLOWER THAN ETHER
COATING V.O.C.: 694 g/l MATERIAL V.O.C.: 552 g/l
SOLUBILITY IN WATER: YES
APPEARANCE AND ODOR: CLEAR LIQUID ACETONE ODOR.

SECTION IV - FIRE AND EXPLOSION HAZARD DATA

FLASH POINT: 1 F METHOD USED: TCC
FLAMMABLE LIMITS IN AIR BY VOLUME- LOWER: .02 UPPER: 12.7

**EXTINGUISHING MEDIA:** ALCOHOL FOAM, CO2, DRY CHEMICAL, WATER FOG.

**SPECIAL FIREFIGHTING PROCEDURES**

DANGER: EXTREMELY FLAMMABLE. CLEAR FIRE AREA OF UNPROTECTED PERSONNEL. DO NOT ENTER CONFINED FIRE SPACE WITHOUT FULL GEAR, INCLUDING A POSITIVE PRESSURE NIOSH APPROVED SCBA. COOL FIRE EXPOSED CONTAINERS WITH WATER. WHEN HEATED ABOVE THE FLASH POINT THIS MATERIAL EMITS FLAMMABLE VAPORS WHICH, WHEN MIXED WITH AIR, CAN BURN OR BE EXPLOSIVE. FINE MIST OR SPRAY MAY BE FLAMMABLE AT TEMPERATURES BELOW THE FLASH POINT.

**UNUSUAL FIRE AND EXPLOSION HAZARDS**

HANDLE AS FLAMMABLE LIQUID. VAPORS FORM AN EXPLOSIVE MIXTURE IN AIR BETWEEN THE UPPER AND LOWER EXPLOSIVE LIMITS WHICH CAN BE IGNITED BY MANY SOURCES SUCH AS PILOT LIGHTS, OPEN FLAMES, ELECTRICAL MOTORS AND SWITCHES. USE WATER AS A FOG TO COOL UNOPENED CONTAINERS IN ORDER TO PREVENT VAPOR PRESSURE BUILDUP WHICH COULD RESULT IN RUPTURING CANS.

===== SECTION V - REACTIVITY DATA =====

**STABILITY:** STABLE - AVOID EXPOSURE TO EXCESSIVE HEAT.

**CONDITIONS TO AVOID**

AVOID HEAT, SPARKS AND FLAME. PREVENT VAPOR ACCUMULATION.

**INCOMPATIBILITY (MATERIALS TO AVOID)**

AVOID STRONG OXIDIZING AGENTS. AVOID EXPOSURE TO HEAT, ALKALINE MATERIALS AND STRONG ACIDS.

**HAZARDOUS DECOMPOSITION OR BYPRODUCTS**

CARBON DIOXIDE, CARBON MONOXIDE, OXIDES OF NITROGEN, AND OTHER UNIDENTIFIED ORGANIC COMPOUNDS MAY BE FORMED.

**HAZARDOUS POLYMERIZATION:** WILL OCCUR

===== SECTION VI - HEALTH HAZARD DATA =====

**INHALATION HEALTH RISKS AND SYMPTOMS OF EXPOSURE**

HIGH VAPOR CONCENTRATIONS MAY PRODUCE CNS (CENTRAL NERVOUS SYSTEM) DEPRESSION. MAY CAUSE GIDDINESS, HEADACHE, DIZZINESS, NAUSEA, AND IN EXTREME CASES LOSS OF CONSCIOUSNESS, AND EVEN DEATH.

**SKIN AND EYE CONTACT HEALTH RISKS AND SYMPTOMS OF EXPOSURE**

MILDLY IRRITATING TO THE SKIN. PROLONGED OR REPEATED LIQUID CONTACT CAN RESULT IN DEFATTING AND DRYING OF THE SKIN. SEVERELY IRRITATING TO THE EYES. HIGH VAPOR CONCENTRATIONS MAY BE IRRITATING.

**SKIN ABSORPTION HEALTH RISKS AND SYMPTOMS OF EXPOSURE**

SKIN ABSORPTION OF SOLVENTS OVER AN EXTENDED PERIOD OF TIME MAY PRODUCE CENTRAL NERVOUS SYSTEM DEPRESSION WITH PHYSIOLOGICAL EFFECTS SIMILAR TO THAT OF INHALATION, INCLUDING DIZZINESS, NAUSEA, HEADACHE, AND LOSS OF COORDINATION. SEE SECTION II HAZARDOUS INGREDIENTS.

**INGESTION HEALTH RISKS AND SYMPTOMS OF EXPOSURE**

LIQUID IS MODERATELY TOXIC AND MAY BE HARMFUL OR FATAL IF SWALLOWED. INGESTION MAY CAUSE CENTRAL NERVOUS SYSTEM DEPRESSION, NAUSEA, VOMITING, AND GASTROINTESTINAL IRRITATION. ASPIRATION INTO LUNGS MAY CAUSE CHEMICAL PNEUMONITIS, EDEMA.

**HEALTH HAZARDS (ACUTE AND CHRONIC)**

REPEATED OR PROLONGED OCCUPATIONAL EXPOSURE MAY CAUSE IRRITATION TO THE EYES, NOSE, THROAT, AND RESPIRATORY TRACT; DEFATTING AND DERMITITIS OF THE SKIN, DAMAGE TO THE BRAIN, NERVOUS SYSTEM, LIVER, KIDNEYS, LUNGS, SPLEENS, AND BLOOD. INGESTION OF THIS MATERIAL MAY BE HARMFUL OR FATAL. INHALATION IN EXCESS OF THE THRESHOLD LIMIT VALUES OVER AN EXTENDED PERIOD OF TIME CAN LEAD TO CENTRAL NERVOUS SYSTEM DEPRESSION, HEADACHE DIZZINESS, UNCONSCIOUSNESS, AND EVEN DEATH.

**CARCINOGENICITY:** NTP **CARCINOGEN:** NO    **IARC MONOGRAPHS:** NO    **OSHA REGULATED:** NO

**MEDICAL CONDITIONS GENERALLY AGGRAVATED BY EXPOSURE**

PRE-EXISTING EYE, SKIN, PULMONARY, AND RESPIRATORY DISORDERS MAY BE AGGRAVATED BY EXPOSURE.

**EMERGENCY AND FIRST AID PROCEDURES**

EYE CONTACT- IMMEDIATELY FLUSH EYES WITH PLENTY OF WATER FOR 15 MINUTES. SEEK MEDICAL ATTENTION. SKIN CONTACT- FLUSH SKIN WITH WATER. IF IRRITATION OCCURS, GET MEDICAL ATTENTION. INHALATION- REMOVE VICTIM TO FRESH AIR & PROVIDE OXYGEN IF BREATHING IS DIFFICULT. GET MEDICAL ATTENTION. INGESTION- DO NOT INDUCE VOMITING. CONTACT A PHYSICIAN IMMEDIATELY. VOMITING THIS MATERIAL MAY LEAD TO ASPIRATION OF PETROLEUM DISTILLATES INTO THE LUNGS WHICH CAN LEAD TO CHEMICAL PNEUMONITIS, EDEMA, AND POSSIBLY DEATH.

===== SECTION VII - PRECAUTIONS FOR SAFE HANDLING AND USE =====

**STEPS TO BE TAKEN IN CASE MATERIAL IS RELEASED OR SPILLED**

ELIMINATE ALL IGNITION SOURCES. ISOLATE & SOAK UP WITH ABSORBENT SUCH AS CLAY, SAND, OR SUITABLE MATERIAL. PLACE IN NON-LEAKING METAL CONTAINER FOR DISPOSAL.

**WASTE DISPOSAL METHOD**

DISPOSE OF ANY UNWANTED MATERIAL IN ACCORDANCE WITH ALL LOCAL, STATE, AND FEDERAL REGULATIONS.

**PRECAUTIONS TO BE TAKEN IN HANDLING AND STORING**

TURN OFF ALL IGNITION SOURCES PRIOR TO USE AND UNTIL ALL VAPORS ARE GONE. KEEP CONTAINERS CLOSED WHEN NOT IN USE. OPEN DOORS AND WINDOWS TO PROVIDE GOOD CROSS VENTILATION. VAPORS MAY ACCUMULATE & TRAVEL TO IGNITION SOURCES DISTANT FROM HANDLING SITE. STORE AWAY FROM HEAT, SPARKS, AND OPEN FLAME.

**OTHER PRECAUTIONS**

SPECIAL NOTICE: REPORTS HAVE ASSOCIATED REPEATED AND PROLONGED OCCUPATIONAL OVEREXPOSURE TO SOLVENTS WITH PERMANENT BRAIN AND NERVOUS SYSTEM DAMAGE. INTENTIONAL MISUSE BY DELIBERATELY CONCENTRATING AND INHALING THE CONTENTS MAY BE HARMFUL OR FATAL.

KEEP OUT OF REACH OF CHILDREN.

DO NOT SMOKE IN OR AROUND AREAS WHERE THIS MATERIAL IS BEING APPLIED! DO NOT PRESSURIZE, CUT OR WELD, DRILL, GRIND, OR EXPOSE CONTAINERS TO HEAT, SPARKS, OPEN FLAME OR OTHER SOURCES OF IGNITION.

===== SECTION VIII - CONTROL MEASURES =====

**RESPIRATORY PROTECTION**

AVOID PROLONGED OR REPEATED BREATHING OF VAPORS. IF EXPOSURE MAY OR DOES EXCEED OCCUPATIONAL EXPOSURE LIMITS (SEC II) USE A NIOSH-APPROVED RESPIRATOR TO PREVENT OVEREXPOSURE. IN ACCORDANCE WITH 29 CFR 1910.134 USE EITHER AN AIR PURIFYING RESPIRATOR FOR ORGANIC VAPORS OR AN AIR SUPPLIED SELF CONTAINED BREATHING APPARATUS.

**VENTILATION**

LOCAL EXHAUST MUST MAINTAIN MIST BELOW TLV CONCENTRATIONS. MECHANICAL EXHAUST MAY BE USED AS A SUPPLEMENT TO THE LOCAL EXHAUST, IT MUST BE EXPLOSION PROOF.

**PROTECTIVE GLOVES**

IMPERMEABLE CHEMICAL HANDLING GLOVES SHOULD BE USED FOR SKIN PROTECTION.

**EYE PROTECTION**

EYE CONTACT CAN BE AVOIDED BY WEARING SAFETY GLASSES OR GOGGLES.

**OTHER PROTECTIVE CLOTHING OR EQUIPMENT**

USE IMPERMEABLE APRONS AND PROTECTIVE CLOTHING WHENEVER POSSIBLE TO PREVENT SKIN CONTACT. EYE WASH AND SAFETY SHOWERS IN THE WORKPLACE ARE RECOMMENDED.

**WORK/HYGIENIC PRACTICES**

WASH HANDS BEFORE EATING, DRINKING, SMOKING, OR USING TOILET FACILITIES.

===== SECTION IX - DISCLAIMER =====

THE INFORMATION CONTAINED HEREIN IS BASED ON DATA AVAILABLE TO US AND IS BELIEVED TO BE CORRECT. WOOD KOTE PRODUCTS MAKES NO WARRANTY, EXPRESSED OR IMPLIED REGARDING THE ACCURACY OF THESE DATA OR THE RESULTS TO BE OBTAINED FROM THE USE THEREOF. WOOD KOTE PRODUCTS ASSUMES NO RESPONSIBILITY FOR INJURY FROM THE USE OF THE PRODUCT DESCRIBED HEREIN.