

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

PERFECT-O WHITE

PAGE: 1

PRODUCT NAME: PERFECT-O WHITE  
PRODUCT CODE: 0082

HMIS CODES: H F R P  
2 2 0 H

=====**SECTION I - MANUFACTURER IDENTIFICATION**=====

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

**EMERGENCY PHONE** : (800) 535-5053      **DATE PRINTED** : 10/01/10  
**INFORMATION PHONE** : (503) 285-8371      **NAME OF PREPARER** : C. JENKINS

=====**SECTION II - COMPOSITION/ INFORMATION ON INGREDIENTS**=====

**STODDARD SOLVENT; LOW BOILING POINT NAPHTHA - UNSPECIFIED**  
CAS-NO. 8052-41-3 PERCENT (WT./ WT.) 5 - 10 %  
**DISTILLATES (PETROLEUM), HYDROTREATED LIGHT; Kerosine - UNSPECIFIED**  
CAS-NO. 64742-47-8 PERCENT (WT./ WT.) 1 - 5 %  
**KAOLIN**  
CAS-NO. 1332-58-7 PERCENT (WT./ WT.) 5 - 10 %  
**AMORPHOUS SILICA**  
CAS NO. 63231-67-4 PERCENT (WT./ WT.) 1 - 5 %  
**TITANIUM DIOXIDE**  
CAS-NO. 13463-67-7 PERCENT (WT./ WT.) 30 - 60 %  
**ALUMINUM HYDROXIDE**  
CAS NO. 621645-51-2 PERCENT (WT./ WT.) 1 - 5 %  
OTHER INFORMATION  
THIS MATERIAL IS CLASSIFIED AS HAZARDOUS UNDER OSHA REGULATIONS.

=====**SECTION III - HAZARDS IDENTIFICATION**=====

**\*\*\* EMERGENCY OVERVIEW \*\*\***  
*FORM-PASTE COLOR WHITE* ODOR- PETROLEUM DISTILLATE ODOR  
MAY CAUSE EYE, SKIN AND RESPIRATORY TRACT IRRITATION.  
COMBUSTIBLE LIQUID AND VAPOR.

**POTENTIAL HEALTH EFFECTS**

**EYE CONTACT**  
IRRITATING. MAY CAUSE TEARING, REDDENING AND/OR SWELLING.

**SKIN CONTACT**  
A MODERATE SKIN IRRITANT BASED ON TESTING OF SIMILAR MIXTURES. PROLONGED OR REPEATED CONTACT MAY RESULT IN DEFATTING AND DRYING OF THE SKIN CAUSING IRRITATION AND DERMATITIS.

**INHALATION**  
POSSIBLY IRRITATING.  
EXCESSIVE INHALATION OF SOLVENT VAPORS MAY CAUSE NASAL AND RESPIRATORY IRRITATION AND CENTRAL NERVOUS SYSTEM EFFECTS INCLUDING DIZZINESS, WEAKNESS, FATIGUE, NAUSEA, HEADACHE, POSSIBLE UNCONSCIOUSNESS AND EVEN DEATH.

**INGESTION**  
MAY CAUSE GASTROINTESTINAL IRRITATION, NAUSEA, VOMITING, AND DIARRHEA.



===== SECTION VI - ACCIDENTAL RELEASE MEASURES =====

**ADDITIONAL ADVICE**

ABSORB SPILL WITH INERT MATERIAL, THEN PLACE IN A CHEMICAL WASTE CONTAINER. AFTER REMOVAL, FLUSH CONTAMINATED AREA WITH WATER AND COLLECT FOR DISPOSAL. CLEAN UP SPILLS IMMEDIATELY. REMOVE SOURCES OF IGNITION AND VENTILATE AREA. USE A RESPIRATOR AND OTHER PROTECTIVE EQUIPMENT AS OUTLINED IN SECTION 8. OBEY RELEVANT LOCAL, STATE, PROVINCIAL AND FEDERAL LAWS AND REGULATIONS. DO NOT CONTAMINATE ANY LAKES, STREAMS, PONDS, GROUNDWATER OR SOIL.

===== SECTION VII - HANDLING AND STORAGE =====

**SAFE HANDLING ADVICE**

KEEP AWAY FROM HEAT. KEEP AWAY FROM SPARKS, FLAMES AND OTHER SOURCES OF IGNITION. AVOID CONTACT WITH EYES, SKIN AND CLOTHING. AVOID BREATHING VAPOR OR MIST. USE WITH ADEQUATE VENTILATION. THE NEED FOR GROUNDING AND BONDING OF CONTAINERS IN ACCORDANCE WITH OSHA 29 CFR 1910.106 AND NFPA 77 SHOULD BE ASSESSED FOR ALL PRODUCT TRANSFERS. FOLLOW ALL MSDS/LABEL PRECAUTIONS EVEN AFTER THE CONTAINER IS EMPTIED BECAUSE IT MAY RETAIN PRODUCT RESIDUES. WASH THOROUGHLY AFTER HANDLING.

**STORAGE**

REQUIREMENTS FOR STORAGE AREAS AND CONTAINERS KEEP IN A DRY, COOL PLACE. KEEP CONTAINER CLOSED WHEN NOT IN USE. RESIDUAL VAPORS MIGHT EXPLODE ON IGNITION; DO NOT APPLY HEAT, CUT, DRILL, GRIND OR WELD ON OR NEAR THIS CONTAINER.

===== SECTION VIII - EXPOSURE CONTROLS/PERSONAL PROTECTION =====

**COMPONENT OCCUPATIONAL EXPOSURE GUIDELINES**

**STODDARD SOLVENT; LOW BOILING POINT NAPHTHA - UNSPECIFIED**

CAS-NO. 8052-41-3

CONTROL PARAMETERS 100 PPM TIME WEIGHTED AVERAGE (TWA):(ACGIH)

500 PPM

2900 MG/M3 PEL:(OSHA Z1)

100 PPM

525 MG/M3 TIME WEIGHTED AVERAGE (TWA)

PERMISSIBLE EXPOSURE LIMIT (PEL):(US CA OEL)

**KAOLIN**

CAS NO. 1332-58-7

5 MG/M3 PEL:(OSHA Z1)

RESPIRABLE FRACTION

15 MG/M3 PEL:(OSHA Z1)

TOTAL DUST

2 MG/ M3 TIME WEIGHTED AVERAGE (TWA):(ACGIH)

RESPPIRABLE FRACTION

THIS VALUE IS FOR PARTICULATE MATTER CONTAINING NO ASBESTOS AND <1% CRYSTALLINE SILICA.

2 MG/ M3 TIME WEIGHTED AVERAGE (TWA)

PERMISSIBLE EXPOSURE LIMIT (PEL):(US CA OEL)

RESPIRABLE DUST.

**AMORPHOUS SILICA**

CAS-NO. 7631-86-9

20MILLIONS OF PARTICLES

PER CUBIC FOOT OF AIR

TIME WEIGHTED AVERAGE (TWA):(Z3)

PERFECT-O WHITE

PAGE: 4

0.8 MG/M3 TIME WEIGHTED AVERAGE (TWA):(Z3)

THE VALUE IS CALCULATED FROM A SPECIFIED EQUATION USING A VALUE OF 100%. LOWER VALUES OF % WILL GIVE HIGHER EXPOSURE LIMITS. SEE REGULATION FOR SPECIFIC EQUATION.

10 MG/M3 TIME WEIGHTED AVERAGE (TWA):(ACGIH)  
INHALABLE PARTICLES.

3 MG/M3 TIME WEIGHTED AVERAGE (TWA):(ACGIH)  
RESPIRABLE PARTICLES.

5 MG/M3 PEL:(OSHA Z1)  
RESPIRABLE FRACTION.

15 MG/M3 PEL:(OSHA Z1)

**TITANIUM DIOXIDE**

CAS-NO. 13463-67-7

10 MG/M3 TIME WEIGHTED AVERAGE (TWA):(ACGIH)

15 MG/M3 PEL:(OSHA Z1)

TOTAL DUST.

5 MG/M3 AS TI TIME WEIGHTED AVERAGE (TWA)  
PERMISSIBLE EXPOSURE LIMIT (PEL):(US CA OEL)  
RESPIRABLE FRACTION.

10 MG/M3 AS TI TIME WEIGHTED AVERAGE (TWA)  
PERMISSIBLE EXPOSURE LIMIT (PEL):(US CA OEL)

TOTAL DUST.

15MILLIONS OF PARTICLES

PER CUBIC FOOT OF AIR

TIME WEIGHTED AVERAGE (TWA):(Z3)

RESPIRABLE FRACTION.

50MILLIONS OF PARTICLES

PER CUBIC FOOT OF AIR

TIME WEIGHTED AVERAGE (TWA):(Z3)

TOTAL DUST.

5 MG/M3 TIME WEIGHTED AVERAGE (TWA):(Z3)

RESPIRABLE FRACTION.

15 MG/M3 TIME WEIGHTED AVERAGE (TWA):(Z3)

TOTAL DUST.

**ALUMINUM HYDROXIDE**

CAS NO. 21645-51-2

10 MG/M3 TIME WEIGHTED AVERAGE (TWA):(ACGIH)

INHALABLE PARTICULATE

3 MG/M3 TIME WEIGHTED AVERAGE (TWA):(ACGIH)

RESPIRABLE.

**ENGINEERING MEASURES**

USE EXPLOSION-PROOF VENTILATION EQUIPMENT.

**PERSONAL PROTECTIVE EQUIPMENT****RESPIRATORY PROTECTION**

A RESPIRATORY PROTECTION PROGRAM THAT MEETS OSHA 1910.134 AND ANSI Z88.2 OR APPLICABLE FEDERAL/PROVINCIAL REQUIREMENTS MUST BE FOLLOWED WHENEVER WORKPLACE CONDITIONS WARRANT RESPIRATOR USE. NIOSH'S "RESPIRATOR DECISION LOGIC" MAY BE USEFUL IN DETERMINING THE SUITABILITY OF VARIOUS TYPES OF RESPIRATORS.

**HAND PROTECTION**

USE IMPERMEABLE GLOVES.

**EYE PROTECTION**

CHEMICAL RESISTANT GOGGLES MUST BE WORN.

**SKIN AND BODY PROTECTION**

A SAFETY SHOWER AND EYE WASH FOUNTAIN SHOULD BE READILY AVAILABLE.  
TO IDENTIFY ADDITIONAL PERSONAL PROTECTIVE EQUIPMENT (PPE) REQUIREMENTS, IT IS RECOMMENDED THAT A HAZARD ASSESSMENT IN ACCORDANCE WITH THE OSHA PPE STANDARD (29CFR1910.132) BE CONDUCTED BEFORE USING THIS PRODUCT.

===== SECTION IX - PHYSICAL AND CHEMICAL PROPERTIES =====

**FORM** PASTE

**COLOR** WHITE

**ODOR** PETROLEUM DISTILLATE ODOR.

**SAFETY DATA**

**BOILING POINT/RANGE** > 149 °C

**FLASH POINT** 38.33 °C

**METHOD:** PENSKY-MARTENS CLOSED CUP

**RELATIVE DENSITY** 1.9 25 °C)

**SOLUBILITY/QUALITATIVE SOLUBILITY IN WATER:** SLIGHT.

**VISCOSITY, DYNAMIC** 90-110 KU (25 °C)

**SOLVENTS AND VOLATILES DATA**

**% VOC (GM/L)** 196.72

**EVAPORATION RATE** SLOWER THAN BUTYL ACETATE

===== SECTION X - STABILITY AND REACTIVITY =====

**CONDITIONS TO AVOID:** AVOID HIGH TEMPERATURES AND SOURCES OF IGNITION.

**MATERIALS TO AVOID:** OXIDIZING SUBSTANCES.

===== SECTION XI - TOXICOLOGICAL INFORMATION =====

**COMPONENT ACUTE ORAL TOXICITY**

STODDARD SOLVENT; LOW BOILING POINT NAPHTHA - UNSPECIFIED  
8052-41-3

LD50 RAT: > 5000 MG/KG

DISTILLATES (PETROLEUM), HYDROTREATED LIGHT; KEROSENE - UNSPECIFIED  
64742-47-8

LD50 RAT: > 15000 MG/KG

TITANIUM DIOXIDE

13463-67-7

LD50 RAT: > 24000 MG/KG

AMORPHOUS SILICA

7631-86-9

LD50 RAT: > 31600 MG/KG

**COMPONENT ACUTE INHALATION TOXICITY**

TITANIUM DIOXIDE

13463-67-7

LC50 RAT: > 6820 MG/M3 / 4 H

STODDARD SOLVENT; LOW BOILING POINT NAPHTHA - UNSPECIFIED  
8052-41-3

LC50 RAT: > 5500 MG/M3 / 4 H

DISTILLATES (PETROLEUM), HYDROTREATED LIGHT; Kerosine - UNSPECIFIED  
64742-47-8  
LC50 RAT: > 14100 MG/M3 / 4 H

**COMPONENT ACUTE DERMAL TOXICITY**

STODDARD SOLVENT; LOW BOILING POINT NAPHTHA - UNSPECIFIED  
8052-41-3

LD50 RABBIT: > 3000 MG/KG

DISTILLATES (PETROLEUM), HYDROTREATED LIGHT; Kerosine - UNSPECIFIED  
64742-47-8

LD50 RABBIT: > 2000 MG/KG

TITANIUM DIOXIDE  
13463-67-7

LD50 RABBIT: > 10000 MG/KG

AMORPHOUS SILICA  
7631-86-9

LD50 RABBIT: > 10000 MG/KG

**COMPONENT REPEATED DOSE TOXICITY**

AMORPHOUS SILICA  
7631-86-9

LONG TERM OR REPEATED EXPOSURE TO AMPORPHOUS SILICA HAS CAUSED LUNG EFFECTS IN ANIMALS.

TITANIUM DIOXIDE  
13463-67-7

HIGH CONCENTRATIONS OF TITANIUM DIOXIDE DUST CAUSED MICROSCOPIC LUNG TUMORS IN RATS IN LIFETIME INHALATION STUDIES. HOWEVER, DUPONT, THE PRIMARY US MANUFACTURER, BASED ON A REVIEW OF THE TEST DATA AND BASED ON AN EPIDEMIOLOGICAL STUDY OF EMPLOYEES, CONCLUDES THAT TITANIUM DIOXIDE PIGMENT WILL NOT CAUSE CHRONIC RESPIRATORY DISEASE IN HUMANS AT CONCENTRATIONS EXPERIENCED IN THE WORKPLACE.

**PRODUCT GENERAL TOXICITY INFORMATION**

CHRONIC INHALATION OF AN INGREDIENT IN THE CONTROLLED PRODUCT HAS BEEN SHOWN TO CAUSE ADVERSE EFFECTS IN THE LUNGS.

===== SECTION XII - ECOLOGICAL INFORMATION =====

GENERAL ECOLOGICAL INFORMATION NO ECOTOXICOLOGICAL STUDIES ARE AVAILABLE.

===== SECTION XIII - DISPOSAL CONSIDERATIONS =====

**WASTE DISPOSAL**

**ADVICE ON DISPOSAL:** WASTE MUST BE DISPOSED OF IN ACCORDANCE WITH FEDERAL, STATE, PROVINCIAL AND LOCAL REGULATIONS. CONTAINER DISPOSAL: EMPTY CONTAINERS BY REMOVING THE TOP AND INVERTING TO ALLOW ALL FREE FLOWING PRODUCT TO DRAIN. TO MEET REGULATORY CRITERIA, THE CONTAINER IS CONSIDERED EMPTY WHEN LESS THAN 3% REMAINS IN THE CONTAINER. ADDITIONAL SPECIAL HANDLING IS NOT TYPICALLY REQUIRED AND THE EMPTY CONTAINER CAN BE DISCARDED WITH OTHER NONHAZARDOUS TRASH. NOTE: LOCAL DISPOSAL REGULATIONS MAY BE MORE STRINGENT AND REQUIRE ADDITIONAL RESTRICTIONS OR PRECAUTIONS. CUSTOMERS SHOULD CHECK WITH THEIR LOCAL DISPOSAL COMPANY, MUNICIPAL ORSTATE AUTHORITY. RECYCLE OF PLASTIC OR METAL CONTAINERS MAY REQUIRE CLEAN RATHER THAN EMPTY CONTAINERS. IN THIS CASE THE

CONTAINERS CAN BE RINSED WITH MINERAL SPIRITS UNTIL THE CONTAINERS ARE CONSIDERED GENERALLY PRODUCT FREE.

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SECTION XIV - TRANSPORT INFORMATION  
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SEA TRANSPORT IMDG-CODE

CLASS 3

UN-NO 1263

PACKAGING GROUP III

EMS F-E, S-E

PROPER TECHNICAL NAME (PROPER SHIPPING NAME)

PAINT RELATED MATERIAL

AIR TRANSPORT ICAO-TI/IATA-DGR

CLASS 3

UN-NO 1263

PACKAGING GROUP III

PROPER TECHNICAL NAME (PROPER SHIPPING NAME)

PAINT RELATED MATERIAL

LOADING INSTRUCTIONS/REMARKS

IATA\_C ERG-CODE 3L

IATA\_P ERG-CODE 3L

CFR\_INWTR IN THE U.S. THIS MATERIAL MAY BE CLASSIFIED AS COMBUSTIBLE LIQUID. COMBUSTIBLE LIQUIDS ARE NOT REGULATED IN PACKAGES 450 LITERS OR LESS. THIS APPLIES FOR SHIPMENTS BY ROAD AND RAIL ONLY.

CFR\_RAIL IN THE U.S. THIS MATERIAL MAY BE CLASSIFIED AS COMBUSTIBLE LIQUID. COMBUSTIBLE LIQUIDS ARE NOT REGULATED IN PACKAGES 450 LITERS OR LESS. THIS APPLIES FOR SHIPMENTS BY ROAD AND RAIL ONLY.

CFR\_ROAD IN THE U.S. THIS MATERIAL MAY BE CLASSIFIED AS COMBUSTIBLE LIQUID. COMBUSTIBLE LIQUIDS ARE NOT REGULATED IN PACKAGES 450 LITERS OR LESS. THIS APPLIES FOR SHIPMENTS BY ROAD AND RAIL ONLY.

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SECTION XV - REGULATORY INFORMATION  
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**US FEDERAL REGULATIONS**

**OSHA**

IF LISTED BELOW, CHEMICAL SPECIFIC STANDARDS APPLY TO THE PRODUCT OR COMPONENTS:

- NONE LISTED

**CLEAN AIR ACT SECTION (112)**

IF LISTED BELOW, COMPONENTS PRESENT AT OR ABOVE THE DE MINIMUS LEVEL ARE HAZARDOUS AIR POLLUTANTS:

- NONE LISTED

**CERCLA REPORTABLE QUANTITIES**

IF LISTED BELOW, A REPORTABLE QUANTITY (RQ) APPLIES TO THE PRODUCT BASED ON THE PERCENT OF THE NAMED

COMPONENT:

- NONE LISTED

**SARA TITLE III SECTION 311/312 HAZARD CATEGORIES**

THE PRODUCT MEETS THE CRITERIA ONLY FOR THE LISTED HAZARD CLASSES:

- ACUTE HEALTH HAZARD
- CHRONIC HEALTH HAZARD
- FIRE HAZARD

**SARA TITLE III SECTION 313 REPORTABLE SUBSTANCES**

IF LISTED BELOW, COMPONENTS ARE SUBJECT TO THE REPORTING REQUIREMENTS OF SECTION 313 OF TITLE III OF THE

**SUPERFUND AMENDMENTS AND REAUTHORIZATION ACT OF 1986 AND 40 CFR PART 372:**

- NONE LISTED

**TOXIC SUBSTANCES CONTROL ACT (TSCA)**

IF LISTED BELOW, NON-PROPRIETARY SUBSTANCES ARE SUBJECT TO EXPORT NOTIFICATION UNDER SECTION 12 (B) OF

**TSCA:**

- NONE LISTED
- STATE REGULATIONS

**CALIFORNIA PROPOSITION 65**

A WARNING UNDER THE CALIFORNIA DRINKING WATER ACT IS REQUIRED ONLY IF LISTED BELOW:

- NONE LISTED

**INTERNATIONAL CHEMICAL INVENTORY STATUS**

UNLESS OTHERWISE NOTED, THIS PRODUCT IS IN COMPLIANCE WITH THE INVENTORY LISTING OF THE COUNTRIES SHOWN BELOW. FOR INFORMATION ON LISTING FOR COUNTRIES NOT SHOWN, CONTACT DEGUSSA CORPORATION PRODUCT

REGULATORY DEPARTMENT:

- EUROPE (EINECS/ELINCS) LISTED/REGISTERED
- USA (TSCA) LISTED/REGISTERED
- CANADA (DSL) LISTED/REGISTERED
- AUSTRALIA (AICS) LISTED/REGISTERED
- JAPAN (MITI) NOT LISTED/NOT REGISTERED
- KOREA (TCCL) NOT LISTED/NOT REGISTERED
- PHILIPPINES (PICCS) NOT LISTED/NOT REGISTERED
- CHINA LISTED/REGISTERED

===== SECTION XVI- 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.