

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 RAW UMBER

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PRODUCT NAME: PERFECT-O RAW UMBER
PRODUCT CODE: 2003

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=====

IRON OXIDE
CAS-NO. 1332-37-2 PERCENT (WT./ WT.) 30 - 60 %
DISTILLATES (PETROLEUM), HYDROTREATED LIGHT; Kerosine - UNSPECIFIED
CAS-NO. 64742-47-8 PERCENT (WT./ WT.) 10 - 30 %
MANGANESE TRIOXIDE
CAS-NO. 1317-34-6 PERCENT (WT./ WT.) 5 - 10 %
CARBON BLACK, AMORPHOUS
CAS NO. 1333-86-4 PERCENT (WT./ WT.) 1.0 - 5.0 %
SILICA, CRYSTALLINE (QUARTZ)
CAS-NO. 14808-60-7 PERCENT (WT./ WT.) 0.01 - 1.0 %

OTHER INFORMATION
THIS MATERIAL IS CLASSIFIED AS HAZARDOUS UNDER OSHA REGULATIONS.

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

*** EMERGENCY OVERVIEW ***
FORM-PASTE COLOR BROWN 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.

SPECIFIC HAZARDS DURING FIRE FIGHTING

COMBUSTIBLE LIQUID. VAPORS CAN TRAVEL TO A SOURCE OF IGNITION AND FLASH BACK. EXPLOSIVE MIXTURES MAY OCCUR AT TEMPERATURES AT OR ABOVE THE FLASHPOINT.

FURTHER INFORMATION

AS IN ANY FIRE, WEAR SELF-CONTAINED POSITIVE-PRESSURE BREATHING APPARATUS, (MSHA/NIOSH APPROVED OR EQUIVALENT) AND FULL PROTECTIVE GEAR. CONTAINERS CAN BUILD UP PRESSURE IF EXPOSED TO HEAT (FIRE). COOL WITH WATER SPRAY.

===== 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

CARBON BLACK, AMORPHOUS

CAS NO. 1333-86-4
3.5 MG/M3 TIME WEIGHTED AVERAGE (TWA): (ACGIH)
3.5 MG/M3 PEL (OSHA Z1)
3.5 MG/M3 PERMISSABLE EXPOSURE LIMIT (PEL) :(US CA OEL)

SILICA, CRYSTALLINE (QUARTZ)

CAS-NO. 14808-60-7
0.05 MG/M3 TIME WEIGHTED AVERAGE (TWA):(ACGIH)
RESPIRABLE PARTICLES.
0.05 MG/M3 TIME WEIGHTED AVERAGE (TWA):(ACGIH)
RESPIRABLE FRACTION.
RESPIRABLE FRACTION.
15 MG/M3 PEL:(OSHA Z1)
TOTAL DUST.
0.025 MG/M3 TIME WEIGHTED AVERAGE (TWA):(ACGIH NIC)
2.4MILLIONS OF PARTICLES
PER CUBIC FOOT OF AIR

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TIME WEIGHTED AVERAGE (TWA):(Z3)

RESPIRABLE.

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.

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

IRON OXIDE

CAS-NO. 1332-37-2

(Z3)

RESPIRABLE FRACTION.

LISTED.

5 MG/M3 PEL:(OSHA Z1)

RESPIRABLE FRACTION.

15 MG/M3 PEL:(OSHA Z1)

TOTAL DUST.

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

RESPIRABLE PARTICLES.

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

INHALABLE PARTICLES.

MANGANESE TRIOXIDE

CAS NO. 1317-34-6

5 MG/M3 AS MN CEILING LIMIT VALUE: (OSHA Z1)

0.2 MG/M3 AS MN TIME WEIGHTED AVERAGE (TWA): PERMISSABLE EXPOSURE LIMIT (PEL) :(US CA OEL)

0.2 MG/M3 AS MN TIME WEIGHTED AVERAGE (TWA): (ACGIH)

0.03 MG/M3 AS MN TIME WEIGHTED AVERAGE (TWA): (ACGIH NIC)

AS MN (ACGIH NIC)

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INCLUDED IN REGULATORY LIST BUT WITH NO DATA VALUES - SEE FULL TEXT OF REGULATION FOR FURTHER DETAILS.

OTHER INFORMATION

THE EXPOSURE VALUE FOR CRYSTALLINE SILICA IS FOR THE RESPIRABLE FRACTION.

EXPOSURE VALUES FOR ALIPHATIC PETROLEUM DISTILLATES (CAS# 64742-47-8) ARE GIVEN AS STODDARD SOLVENT.

ENGINEERING MEASURES

USE ONLY IN WELL VENTILLATED AREAS.

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 BROWN

ODOR PETROLEUM DISTILLATE ODOR.

SAFETY DATA

BOILING POINT/RANGE > 149 °C

FLASH POINT 38.33 °C

METHOD: PENSKY-MARTENS CLOSED CUP

RELATIVE DENSITY 1.4 25 °C)

SOLUBILITY/QUALITATIVE SOLUBILITY IN WATER: SLIGHT.

VISCOSITY, DYNAMIC 90-114 KU (25 °C)

SOLVENTS AND VOLATILES DATA

% VOC (GM/L) 280.68

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

IRON OXIDE

1309-37-1

LD50 RAT: > 5000 MG/KG

DISTILLATES (PETROLEUM), HYDROTREATED LIGHT; Kerosine - UNSPECIFIED

64742-47-8

LD50 RAT: > 15000 MG/KG

CARBON BLACK, AMORPHOUS

1333-86-4

LD50 RAT: > 10000 MG/KG

COMPONENT ACUTE INHALATION TOXICITY

DISTILLATES (PETROLEUM), HYDROTREATED LIGHT; Kerosine - UNSPECIFIED

64742-47-8

LC50 RAT: > 14100 MG/M3 / 4 H

CARBON BLACK, AMORPHOUS

1333-86-4

LC50 RAT: 67501 MG/M3 / 4 H

COMPONENT ACUTE DERMAL TOXICITY

DISTILLATES (PETROLEUM), HYDROTREATED LIGHT; Kerosine - UNSPECIFIED

64742-47-8

LD50 RABBIT: > 2000 MG/KG

COMPONENT MUTAGENICITY ASSESMENT

CARBON BLACK, AMORPHOUS
1333-86-4

THIS PRODUCT CONTAINS ONE OR MORE INGREDIENTS THAT HAVE BEEN SHOWN TO PRODUCE MUTAGENIC EFFECTS IN IN VITRO TESTING.

COMPONENT CARCINOGENICITY ASSESSMENT

CARBON BLACK, AMORPHOUS
1333-86-4

SOME STUDIES HAVE LINKED EXPOSURE OF CARBON BLACK DUST TO LUNG EFFECTS. IARC CLASSIFIES CARBON BLACK AS A CATEGORY 2B CARCINOGEN (KNOWN ANIMAL CARCINOGEN, POSSIBLE HUMAN CARCINOGEN) BASED ON INHALATION STUDIES. HOWEVER, THE MANUFACTURERS OF CARBON BLACK STATE THAT EPIDEMIOLOGICAL STUDIES OF WORKERS IN THE CARBON BLACK INDUSTRY IN THE U.S. AND W. EUROPE SHOW NO SIGNIFICANT ADVERSE HEALTH EFFECTS DUE TO OCCUPATIONAL EXPOSURE.

SILICA, CRYSTALLINE (QUARTZ)
14808-60-7

CONTAINS A COMPONENT WHICH IS CLASSIFIED AS AN IARC GROUP 1 CARCINOGEN (CARCINOGENIC TO HUMANS).

COMPONENT GENERAL TOXICITY INFORMATION

CRYSTALLINE SILICA HAS SHOWN POSITIVE RESULTS IN IN VITRO SCREENING TESTS FOR MUTAGENICITY.

===== 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 OR STATE 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.

===== SECTION XIV - TRANSPORT INFORMATION =====

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

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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.

=====**SECTION XV - REGULATORY INFORMATION**=====

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.