

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

KORRECT-0 RED

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PRODUCT NAME: KORRECT-O RED
PRODUCT CODE: 1063

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 %
2-METHOXY-1-METHYLETHYL ACETATE
CAS-NO. 108-65-6 PERCENT (WT./ WT.) 10 - 30 %
C.I. PIGMENT BLACK 11
CAS-NO. 1317-61-9 PERCENT (WT./ WT.) 0.1 - 1 %
NJTSR NO.56705700001-5384P
CAS-NO. TRADE SECRET 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 RED ODOR-SWEET ETHER-LIKE 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.
MAY CAUSE CONJUNCTIVITIS.

SKIN CONTACT

A MODERATE SKIN IRRITANT BASED ON TESTING OF SIMILAR CHROMA CHEM BASE MIXTURES.
PROLONGED OR REPEATED CONTACT MAY CAUSE IRRITATION.
PROLONGED SKIN CONTACT WITH LARGE AMOUNTS OF ETHER ACETATES MAY CAUSE DROWSINESS.

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.

CHRONIC HEALTH HAZARD

HIGH VAPOR CONCENTRATIONS (3000 PPM) OF PROPYLENE GLYCOL MONOMETHYL ETHER ACETATE CAUSED UPPER RESPIRATORY IRRITATION AND LIVER AND KIDNEY EFFECTS IN SUBCHRONIC ANIMAL TESTING. THE RELEVANCE OF THESE RESULTS TO HUMANS IS NOT KNOWN. PROLONGED INHALATION OF IRON OXIDE DUST IS KNOWN TO PRODUCE A CONDITION KNOWN AS SIDEROSIS. ON X-RAYS IT APPEARS TO BE A BENIGN PNEUMOCONIOSIS AND IS NOT ASSOCIATED WITH PULMONARY FIBROSIS OR DISABILITY UNLESS THERE IS CONCURRENT EXPOSURE TO OTHER FIBROSIS PRODUCING MATERIALS SUCH AS SILICA. BECAUSE THIS PRODUCT IS A FREE-FLOWING LIQUID OR PASTE, DUST INHALATION IS NOT AN EXPECTED ROUTE OF EXPOSURE.

===== SECTION IV - FIRST AID MEASURES =====

INHALATION

IF INHALED, REMOVE TO FRESH AIR. IF BREATHING IS DIFFICULT, GIVE OXYGEN. IF UNCONSCIOUS, EVALUATE THE NEED FOR ARTIFICIAL RESPIRATION. GET IMMEDIATE MEDICAL ATTENTION.

SKIN CONTACT

IMMEDIATELY FLUSH SKIN WITH PLENTY OF WATER FOR AT LEAST 15 MINUTES WHILE REMOVING CONTAMINATED CLOTHING AND SHOES. THOROUGHLY WASH CLOTHING, SHOES AND PROTECTIVE EQUIPMENT BEFORE REUSE OR DISCARD. GET MEDICAL ATTENTION IF IRRITATION DEVELOPS OR PERSISTS.

EYE CONTACT

IN CASE OF CONTACT, IMMEDIATELY FLUSH EYES WITH PLENTY OF WATER FOR AT LEAST 30 MINUTES, WHILE HOLDING EYELIDS APART. DO NOT ALLOW CONTAMINATED WATER TO CONTACT THE UNAFFECTED EYE OR FACE DURING IRRIGATION OF AN AFFECTED EYE. OBTAIN MEDICAL ATTENTION IMMEDIATELY.

INGESTION

DO NOT INDUCE VOMITING. IF VOMITING OCCURS SPONTANEOUSLY, KEEP HEAD BELOW HIPS TO PREVENT ASPIRATION OF LIQUID INTO THE LUNGS. GET MEDICAL ATTENTION. IF THE HEART HAS STOPPED OR BREATHING HAS STOPPED, TRAINED PERSONNEL SHOULD BEGIN CARDIOPULMONARY RESUSCITATION OR ARTIFICIAL RESPIRATION IMMEDIATELY.

===== SECTION V - FIRE FIGHTING MEASURES =====

FLASH POINT 46.67 °C , 116 °F

METHOD: SETAFLASH CLOSED CUP

OSHA FLAMMABILITY CLASSIFICATION COMBUSTIBLE LIQUID

SUITABLE EXTINGUISHING MEDIA:

USE WATER SPRAY OR FOG, FOAM, DRY CHEMICAL OR CO₂.

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

• **C.I. PIGMENT BLACK 11**

CAS-NO. 1317-61-9
CONTROL PARAMETERS 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.

• **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.

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

OTHER INFORMATION

EXPOSURE VALUES FOR MINERAL SPIRITS (CAS# 8052-41-3) ARE GIVEN AS STODDARD SOLVENT. THE AIHA WHEEL FOR PROPYLENE GLYCOL MONOMETHYL ETHER ACETATE IS 50 PPM TWA.

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 RED

ODOR SWEET ETHER-LIKE ODOR.

SAFETY DATA

BOILING POINT/RANGE > 143 °C

FLASH POINT 46.67 °C

METHOD: SETAFLASH CLOSED CUP

RELATIVE DENSITY 2 (25 °C)

SOLUBILITY/QUALITATIVE SOLUBILITY IN WATER: NEGLIGIBLE.

VISCOSITY, DYNAMIC 75 - 95 KU (25 °C)

SOLVENTS AND VOLATILES DATA

% VOC (GM/L) 550.57

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
1332-37-2
LD50 RAT: > 5000 MG/KG
2-METHOXY-1-METHYLETHYL ACETATE
108-65-6
LD50 RAT: 8532 MG/KG
NJTSR NO.56705700001-5384P
TRADE SECRET
LD50 RAT: > 10000 MG/KG

COMPONENT ACUTE INHALATION TOXICITY

LC50 (RAT) > 4345 PPM, 6 HOURS, VAPOR

COMPONENT ACUTE DERMAL TOXICITY

2-METHOXY-1-METHYLETHYL ACETATE
108-65-6
LD50 RABBIT: > 19000 MG/KG
(CALCULATED)
(LITERATURE VALUE)
NJTSR NO.56705700001-5384P
TRADE SECRET
LD50 RABBIT: > 3000 MG/KG

COMPONENT GENERAL TOXICITY INFORMATION

2-METHOXY-1-METHYLETHYL ACETATE
108-65-6
HIGH VAPOR CONCENTRATIONS (3000 PPM) OF PROPYLENE GLYCOL MONOMETHYL
ETHER ACETATE CAUSED UPPER RESPIRATORY IRRITATION AND LIVER AND KIDNEY EFFECTS
IN SUBCHRONIC ANIMAL TESTING. THE RELEVANCE OF THESE RESULTS TO HUMANS IS
NOT KNOWN.

===== 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
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.