

SAFETY DATA SHEET
WOOD KOTE PRODUCTS INC.
www.woodkote.com

Section 1: Product and Company Identification

Product Name: Perfect-O Raw Umber Product Code: 0P2003

WOOD KOTE PRODUCTS INC.
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USA

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Product Use: Solvent Based Colorants. This product is intended for professional use and application only.

Section 2: Hazards Identification

GHS Ratings:

| | | |
|-----------------------------|----|---|
| Flammable liquid | 3 | Flash point $\geq 23^{\circ}\text{C}$ and $\leq 60^{\circ}\text{C}$ (140°F) |
| Skin corrosive | 2 | Reversible adverse effects in dermal tissue. Draize score: $\geq 2.3 < 4.0$ or persistent inflammation. |
| Carcinogen | 1B | Presumed human carcinogen, based on demonstrated animal carcinogenicity. |
| Organ toxin single exposure | 1 | Significant toxicity in humans- Reliable, good quality human case studies or epidemiological studies. Presumed significant toxicity in humans- Animal studies with significant and/or severe toxic effects relevant to humans at generally low exposure (guidance) - Human evidence in exceptional cases. |

GHS Hazards

| | |
|------|---|
| H226 | Flammable liquid and vapour. |
| H315 | Causes skin irritation. |
| H351 | Suspected of causing cancer. |
| H372 | Causes damage to organs through prolonged or repeated exposure. |

GHS Precautions

| | |
|----------------|--|
| P201 | Obtain special instructions before use. |
| P202 | Do not handle until all safety precautions have been read and understood. |
| P210 | Keep away from heat/sparks/open flames/hot surfaces - No smoking. |
| P233 | Keep container tightly closed. |
| P240 | Ground/bond container and receiving equipment. |
| P241 | Use explosion-proof electrical/ventilating/light/equipment. |
| P242 | Use only non-sparking tools. |
| P243 | Take precautionary measures against static discharge. |
| P260 | Do not breathe mist/vapours/spray. |
| P264 | Wash skin thoroughly after handling. |
| P270 | Do not eat, drink or smoke when using this product. |
| P280 | Wear protective gloves/protective clothing/eye protection/face protection. |
| P301+P330+P331 | IF SWALLOWED: Rinse mouth. Do NOT induce vomiting. |
| P303+P361+P353 | IF ON SKIN (or hair): Remove/Take off immediately all contaminated clothing. Rinse skin with water/shower. |
| P304+P341 | IF INHALED: If breathing is difficult, remove victim to fresh air and keep at rest in a position comfortable for breathing. |
| P305+P351+P338 | IF IN EYES: Rinse continuously with water for several minutes. Remove contact lenses if present and easy to do – continue rinsing. |

P308+P313 IF exposed or concerned: Get medical advice/attention.
P332+P313 If skin irritation occurs: Get medical advice/attention.
P370+P378 In case of fire: Use water fog, "alcohol" foam, dry chemical, or CO2.
P403+P235 Store in a well ventilated place. Keep cool.
P501WK If spilled, contain spilled material and dispose of contaminated absorbent, container and unused contents in accordance with local, state and federal regulations. Avoid release to the environment.

Signal Word: Danger



FLAMMABLE LIQUID AND VAPOR

Section 3: Composition / Information on Ingredients

| Chemical Name | CAS number | Weight Concentration % |
|---|------------|------------------------|
| Iron (III) Oxide | 1309-37-1 | 50.00% - 60.00% |
| Solvent Naphtha (petroleum), Medium Aliphatic | 64742-88-7 | 20.00% - 30.00% |
| Manganese (III) Oxide | 1317-34-6 | 1.00% - 5.00% |
| Calcium Carbonate | 1317-65-3 | 1.00% - 5.00% |
| Silicon Dioxide | 14808-60-7 | 0.10% - 1.00% |

Section 4: First Aid Measures

IF INHALED: Move to fresh air. Call a physician if symptoms develop or persist.

IF IN EYES: Immediately flush eyes with plenty of water for at least 15 minutes. Remove contact lenses, if present and easy to do. Get medical attention if irritation develops and persists.

IF ON SKIN: Take off immediately all contaminated clothing. Rinse skin with water/shower. Get medical attention if irritation develops and persist.

IF SWALLOWED: Rinse mouth. Get medical attention if symptoms occur.

Note to Physician: Provide general supportive measures and treat symptomatically. Thermal burns: Flush with water immediately. While flushing, remove clothes which do not adhere to affected area. Call an ambulance. Continue flushing during transport to hospital. Keep victim under observation. Symptoms may be delayed.

Section 5: Fire Fighting Measures

Flash Point: 38 C (100 F)

LEL: 1.00

UEL: 7.00

EXTINGUISHING MEDIA: Alcohol resistant foam. Water fog. Dry chemical powder. Carbon Dioxide (CO2).

EXPLOSION HAZARDS: Vapors may form explosive mixtures with air. Vapors may travel considerable distance to a source of ignition and flash back. During fire, gases hazardous to health may be formed.

HAZARDOUS COMBUSTION PRODUCTS: Carbon monoxide and unidentified organic compounds may be formed during combustion.

FIRE FIGHTING PROCEDURES: In case of fire and/or explosion do not breathe fumes. Move containers from fire area if you can do so without risk.

FIRE FIGHTING PROCEDURES: Wear self-contained breathing apparatus and gear when fighting fires involving this material.

Section 6: Accidental Release Measures

PERSONAL PRECAUTIONS: Keep unnecessary personnel away. Keep people away from and upwind of spill/leak. Keep out of low areas. Eliminate all ignition sources (no smoking, flares, sparks or flames in immediate area). Wear appropriate protective equipment and clothing during clean-up. Do not breathe mist or vapor. Do not touch damaged containers or spilled material unless wearing appropriate protective clothing. Ventilate closed spaces before entering them. Local authorities should be advised if significant spillages cannot be contained.

SMALL SPILLS: Wipe up with absorbent material (e.g. cloth, fleece). Clean surface thoroughly to remove residual contamination. Never return spills to original containers for re-use.

LARGE SPILLS: Stop the flow of the material, if this is without risk. Dike the spilled material, where this is possible. Cover with plastic sheet to prevent spreading. Use a non-combustible material like vermiculite, sand or earth to soak up the product and place into a container for later disposal. Use water spray to reduce vapors or divert vapor cloud drift. Prevent entry into waterways, sewer, basements or confined areas. Following product recovery, flush area with water.

Section 7: Handling and Storage

HANDLING: Do not handle until all safety precautions have been read and understood. Vapors may form explosive mixtures with air. Do not handle, store or open near an open flame, sources of heat or sources of ignition. Protect material from direct sunlight. Take precautionary measures against static discharges. All equipment used when handling the product must be grounded. Use non-sparking tools and explosion-proof equipment. Do not breathe mist or vapor. Avoid contact during pregnancy/while nursing. Provide adequate ventilation. Wear appropriate personal protective equipment. Observe good industrial hygiene practices. When using, do not eat, drink or smoke. Wash hands thoroughly after handling.

STORAGE: Store locked up. Keep away from heat, sparks and open flame. Prevent electrostatic charge build-up by using common bonding and grounding techniques. Store in original tightly closed container. Store in a cool, dry place out of direct sunlight. Store in a well-ventilated place. Refrigeration recommended. Store away from incompatible materials. Keep in an area equipped with sprinklers.

COMMENTS: Read label before use. KEEP OUT OF REACH OF CHILDREN! Empty containers, retain product residue (liquid and/or vapor). Do not pressurize, cut weld, braze, solder, drill, grind, or expose such containers to heat, flame, sparks static electricity, or other sources of ignition; they may explode and cause injury or death.

Section 8: Exposure Control and Personal Protection

| Chemical Name / CAS No. | OSHA Exposure Limits | ACGIH Exposure Limits | Other Exposure Limits |
|--|--|--|--|
| Iron (III) Oxide 1309-37-1 | TWA 15 mg/m ³ | TWA 5 mg/m ³ | TWA 5 mg/m ³ |
| Solvent Naphtha (petroleum), Medium Aliphatic 64742-88-7 | PEL 500 ppm 2,900 mg/m ³ TWA 100 ppm 525 mg/m ³ | TWA 100 ppm | NDA |
| Manganese (III) Oxide 1317-34-6 | CEILING: 5 mg/m ³ | TWA 0.2 mg/m ³ | NIOSH: TWA 1 mg/m ³ |
| Calcium Carbonate 1317-65-3 | TWA 15 mg/m ³ (total) TWA 5 mg/m ³ | TWA: 10 mg/m ³ (total dust for <1% silica) | NIOSH REL: TWA 10 mg/m ³ TWA 5 mg/m ³ |
| Silicon Dioxide 14808-60-7 | TWA 30 mg/m ³ | TWA 0.025 mg/m ³ | NIOSH: TWA 0.05 mg/m ³ |

ENGINEERING CONTROLS: Provide general local exhaust ventilation sufficient to keep the airborne concentration of this product below its exposure limits. Exhaust air may need to be cleaned by scrubbers or filters to reduce environmental contamination.

PERSONAL PROTECTIVE EQUIPMENT

EYES AND FACE: Wear safety goggles. Maintain eye wash fountain and quick drench facilities in work areas.

SKIN: Wear protective gloves. To prevent repeated or prolonged skin contact, wear impervious clothing and boots.

RESPIRATORY: In case of insufficient ventilation, wear suitable respiratory equipment. Follow the OSHA respirator regulations found in 29 CFR 1910.134. Use a NIOSH/MSHA approved respirator if exposure limits are exceeded or symptoms are experienced.

WORK HYGIENIC PRACTICES: Handle in accordance with good industrial hygiene and safety practice. Wash thoroughly with soap and water after handling and before eating, drinking, or using tobacco. Safety shower and eye wash should be available close to work areas.

OTHER USE PRECAUTIONS: May be harmful if swallowed. May irritate body tissues. Use with adequate ventilation. Avoid breathing vapor. Do not get in eyes, on skin, on clothing. Wash thoroughly after handling.

COMMENTS: Facilities storing or utilizing this material should be equipped with an eyewash facility and a safety shower.

CONTAMINATED GEAR: Take off contaminated clothing and wash it before reuse. Follow manufacturer's instructions for cleaning. If no such instructions for washables, use detergent and hot water.

Section 9: Physical and Chemical Properties

| | |
|---|---------------------------------------|
| Appearance: Paste / Brown | Odor: Petroleum distillate. |
| Solubility in Water: Negligible. | Boiling point: 149°C |
| Flash point: 38 C | Specific Gravity (SG) 1.400 |
| Evaporation Rate: Slower than butyl acetate. | Viscosity: 90 - 114 KU (25 °C) |
| VOC g/L (Coating) 280 | |

Section 10: Stability and Reactivity

Stability:

Under normal conditions:

STABLE

Incompatibilities:

Strong oxidizers.

Avoid heat, sparks, open flames and other ignition sources.

Hazardous decomposition:

Carbon monoxide and carbon dioxide.

Oxygen, hydrogen gas, water, heat, steam.

Hazardous polymerization will not occur.

Section 11: Toxicological Information

Component Toxicity

| | |
|------------|---|
| 64742-88-7 | Solvent Naphtha (petroleum), Medium Aliphatic Oral LD50: 5,000 mg/kg (Rat) Dermal LD50: 3,000 mg/kg (Rabbit) |
| 1317-65-3 | Calcium Carbonate Oral LD50: 500 mg/kg (Rat) |

PRIMARY ROUTES OF ENTRY

Inhalation

Target Organs: Lungs

Section 12: Ecological Information

ENVIRONMENTAL SUMMARY: Avoid uncontrolled releases of this material. Where spills are possible, comprehensive spill response plan should be developed and implemented. Do not contaminate water when cleaning equipment or disposing of equipment washwaters or rinsate.

Component Ecotoxicity

Solvent Naphtha (petroleum), Very toxic for fish.
Medium Aliphatic

Section 13: Disposal Considerations

DISPOSAL: If spilled, contain spilled material and dispose of contaminated absorbent, container and unused contents in accordance with local, state and federal regulations. Avoid release to the environment.

Section 14: Transport Information

| <u>Agency</u> | <u>Proper Shipping Name</u> | <u>UN Number</u> | <u>Packing Group</u> | <u>Hazard Class</u> |
|---------------|-----------------------------|------------------|----------------------|---------------------|
| DOT | Paint | 1263 | III | 3 |
| IATA | Paint | 1263 | III | 3 |
| IMDG/IMO | Paint | 1263 | III | 3 |

Section 15: Regulatory Information

ACGIH (American Conference of Governmental Industrial Hygienists)

TWA (Time-Weighted Average)

OSHA (Occupational Safety and Health Administration)

NIOSH (National Institute for Occupational Safety and Health)

TSCA: All components are on the U.S. EPA TSCA Inventory List.

OSHA: Occupational Safety and Health Administration.

This product is a "Hazardous Chemical" as defined by the OSHA Hazard Communication Standard, 29 CFR 1910.1200

State of California Safe Drinking Water and Toxic Enforcement Act of 1986 (Proposition 65):

WARNING! This product contains the following chemicals which are listed by the State of California as carcinogenic or a reproductive toxin:

14808-60-7 Silicon Dioxide 0.1 to 1.0 %

SARA TITLE III (Superfund Amendment and Reauthorization Act)

SARA 302 Components:

No chemicals in this product are subject to the reporting requirements of SARA Title III, Section 302

SARA 311/312 Hazards:

14808-60-7 Silicon Dioxide 0.1 to 1.0 % Chronic Health Hazard

64742-88-7 Solvent Naphtha (petroleum), Medium Aliphatic 20 to 30 % Fire Hazard, Acute Health Hazard, Delayed Hazard

SARA 313 Components:

No chemicals in this product are subject to the reporting requirements of SARA Title III, Section 313.

Section 16: Other Information

ABBREVIATIONS USED IN THE SDS:

NDA: No Data Available

Hazardous Material Information System (HMIS)

| | |
|---------------------|---|
| HEALTH | 2 |
| FLAMMABILITY | 2 |
| PHYSICAL HAZARD | 0 |
| PERSONAL PROTECTION | H |

HMIS & NFPA Hazard Rating

Legend

* = Chronic Health Hazard

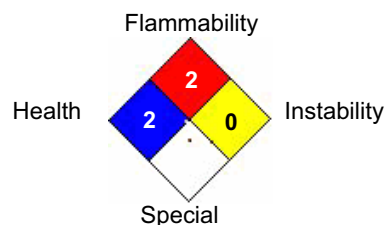
0 = INSIGNIFICANT

1 = SLIGHT

2 = MODERATE

3 = HIGH

National Fire Protection Association (NFPA)



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