



## Safety Data Sheet-Walnut Natural Oxide

### 1 – PRODUCT IDENTIFICATION

**Product Name:** WALNUT NATURAL OXIDE

**Product Number:** 283RM

**Product Use:** coloring agents, pigments

**DATE PREPARED:** 11-29-2016

**COMPANY:** Buddy Rhodes Concrete Products

5600 Lower Macungie Road, Macungie PA 18062

Domestic: 1 (877) 706-5303 International: (610) 252-5800

**EMERGENCY PHONE:** domestic: (800) 255-3924 international: (813) 248-0585 (Chem-Tel)

### 2 – HAZARDS IDENTIFICATION

**Classification of the substance or mixture:**

Carcinogenic, category 2 (H351)

**GHS Label elements, including precautionary statements**

**Hazard Pictogram(s):**



**Signal word:** Warning

**Health Hazards:**

H351

Suspected of causing cancer (state route of exposure if it is conclusively proven that no other routes of exposure cause the hazard)

**General Precautions:**

P101

If medical advice is needed, have product container or label at hand.

P102

Keep out of reach of children.

P103

Read label before use.

**Prevention Precautions:**

P201

Obtain special instructions before use.

P202

Do not handle until all safety precautions have been read and understood.

P280

Wear protective gloves/protective clothing/eye protection/face protection.

**Response Precautions:**

P308 + P313

IF exposed or concerned: Get medical advice/ attention.

**Storage Precautions:**

P405

Store locked up.

**Disposal Precautions:**

P501

Dispose of contents/container according to local, state and federal laws.

**Hazards not otherwise classified (HNOC) or not covered by GHS – none known**



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### 3 – COMPOSITION / INFORMATION ON INGREDIENTS

Chemical names	CAS No	Concentration
Fe(OH)O - goethite SiO <sub>2</sub> quartz MnO <sub>2</sub> pyrolusite  Umber is a manganese enriched form of goethite, a naturally occurring inorganic iron oxide	12713-03-0	62-76% 15-20% 4-8%

**Substance/Mixture:** Substance

**Synonym:** Natural Iron Oxide, Walnut

### 4 – FIRST-AID MEASURES

#### Description of first aid measures

**In case of inhalation:** If breathing is difficult, remove to fresh air and keep at rest in a comfortable position for breathing. If you feel unwell, seek medical attention

**In case of skin contact:** Rinse skin with water. If skin irritation occurs, get medical advice.

**In case of eye:** Immediately flush eyes with plenty of water for at least 15 minutes. Remove contact lenses, if present and easy to do. Continue rinsing. If eye irritation occurs, get medical advice.

**In case of ingestion:** Rinse mouth. Do not induce vomiting unless directed to do so by a physician. If you feel unwell, seek medical attention.

**Most important symptoms/effects both acute and delayed:** Not expected to present a significant hazard under anticipated conditions of normal use.

**Indication of any immediate medical attention and special treatment needed:** Treat symptomatically and supportively

### 5 – FIRE-FIGHTING MEASURES

**Extinguishing Media:** Suitable extinguishing media: Foam, water spray, dry chemical powder, carbon dioxide, or sand

Unsuitable extinguishing media: Do not use a heavy water stream

**Flash point:** not applicable Not applicable

**Auto ignition temperature:** Not applicable

**Specific protective equipment and procedures for firefighters:** Wear self contained breathing apparatus and protective clothing

**Specific chemical hazards:** None

### 6 – ACCIDENTAL RELEASE MEASURES

**Environmental precautions:** Do not allow to enter surface water or drains. Ensure waste is collected and contained.

**Methods for cleanup:** The generation of waste should be avoided or minimized wherever possible. Disposal of this product, solutions and any by-products should at all times comply with the requirements of environmental protection and waste disposal legislation and any regional local authority requirements. Dispose of surplus and non-recyclable products via a licensed waste disposal contractor. Waste should not be disposed of untreated to the sewer unless fully compliant with the requirements of all authorities with jurisdiction. Waste packaging should be recycled. Incineration or landfill should only be considered when recycling is



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not feasible. This material and its container must be disposed of in a safe way. Empty containers or liners may retain some product residues. Avoid dispersal of spilled material and runoff and contact with soil, waterways, drains and sewers.

### 7 – HANDLING and STORAGE

**Storage:** Keep only in the original container in cool, dry, well ventilated places away from incompatible materials. Keep container closed when not in use.

**Handling:** Avoid breathing dust. Wash thoroughly after handling. keep container tightly closed. Wear appropriate personal protective equipment as specified in Section 8. Provide adequate ventilation to minimize dust and/or vapor concentrations.

### 8 – EXPOSURE CONTROLS / PERSONAL PROTECTION

#### Occupational exposure limits

**OSHA PEL:** 0.1 mg/m<sup>3</sup> SiO<sub>2</sub> 8 hour

**ACGIH TLV** 0.1 mg/m<sup>3</sup> SiO<sub>2</sub> 8 hour

**Appropriate engineering controls:** If needed use local exhaust ventilation to keep dust concentration below limits cited in this Section.

#### Personal Protective Equipment

**Respiratory Protection:** Dust mask required in dusty environments or exceeding total dust limits

**Eye/Face protection:** Wear appropriate chemical safety glasses/goggles.

**Hand/Skin Protection:** Wear appropriate protective gloves and clothing.

**General Hygiene Considerations:** Do not eat, drink or smoke when using this product. Wash hands thoroughly after handling.

### 9 – PHYSICAL / CHEMICAL PROPERTIES

**Appearance:** Solid, fine powder

**Physical State:** Solid

**Color:** red

**Odor:** Odorless

**pH:** 3-6 [ASTM D-1208-78]

**Melting Point:** NA

**Boiling Point:** NA

**Flash point:** not applicable Not applicable

**Flammability (solid,gas):** Not flammable

**Explosive Properties:** Not explosive

**Vapor Pressure:** Not applicable

**Vapor Density (AIR=1):** Not applicable

**Density:** 4-5 g/cm<sup>3</sup> [ASTM D-153-84] (water=1)

**Solubility in water:** Insoluble

**Partition Coefficient (n-octanol/water):** NOT APPLICABLE

**Auto-ignition temperature:** Not applicable

**Viscosity:** Not applicable



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### 10 – STABILITY and REACTIVITY

**Reactivity:** No hazardous reaction known under normal conditions of use  
**Chemical Stability:** Stable under normal conditions  
**Hazardous Reactions:** Stable under normal conditions  
**Conditions to avoid:** dust generation, excess heat, combustible materials, and moisture  
**Incompatible materials:** no known incompatible materials  
**Hazardous Decomposition.:** na

### 11 – TOXICOLOGICAL INFORMATION

**Acute Toxicity:** None  
**Acute Oral Toxicity:** LD50 oral, rat: > 5000 mg/kg  
**Acute Inhalation Toxicity:** Inhalation of the dust may cause mechanical irritation to the respiratory tract. Excessive exposure above the TLV can give mild pulmonary irritation.  
**Chronic Toxicity:** Based on available data, the classification criteria are not met  
**Irritation:** Inhalation of the dust may cause mechanical irritation to the respiratory tract. Excessive exposure above the TLV can give mild pulmonary irritation  
**Sensitization:** Non-sensitizing  
**Mutagenicity:** Non-mutagenic  
**Carcinogenicity:** This product is considered a carcinogen by IARC because it contains crystalline silica at levels greater than 0.1%.  
**Reproductive toxicity:** No known significant effects or critical hazards on reproduction.  
**Aspiration hazard:** Not applicable

### 12 – ECOLOGICAL INFORMATION

**Ecotoxicity:** Not expected to be harmful to aquatic organisms  
**Persistence and degradability:** Not applicable (Inorganic substance)  
**Bioaccumulative potential:** Not applicable  
**Mobility in soil:** Not applicable  
**Results of PBT and vPvB assessment:** The substance does not meet the criteria to be identified as PBT or vPvB

### 13 –DISPOSAL CONSIDERATIONS

**Disposal considerations:** Dispose in a safe manner in accordance with local / state / Federal regulations. Avoid release to the environment.  
It is responsibility of the waste generator to determine the toxicity and physical properties of the material generated to determine the proper waste identification and disposal method in compliance with applicable regulations.

### 14 – TRANSPORTATION INFORMATION

**DOT:** Not regulated, not dangerous good.  
**Transport by sea (IMO / IMDG):** Not regulated. Not dangerous good  
**Air transport (ICAO / IATA):** Not regulated. Not dangerous good



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### 15 - REGULATIONS

Contents of this SDS comply with the OSHA Hazard Communication Standard 29CFR 1910.1200

EPA SRA Title III Chemical Listings:

**US Federal Regulations**

**TSCA Status:** all components are listed or exempted

**SECTION 302:** None

**SECTION 312**

**Acute:** None

**Chronic:** Silica >0.1%

**Fire:** None

**Pressure:** None

**Reactive:** None

**SARA 313:** NRO's natural iron oxides contain

manganese compounds in excess of 1% Mn. under Section 313 of EPCRA, releases of manganese are reportable if the criteria for SIC Code, Number of Employees and Threshold Quantity are met

**Clean Water Act:** not applicable

**FDA:** NA

**US State Regulations**

Iron Oxide does not appear on the following state Right-To-Know Lists:

*California Proposition 65*

*Florida Hazardous Substances List*

*Michigan Critical Materials Register*

*Pennsylvania Hazardous Substance List*

**International regulations**

**No known international restrictions**

### 16 – OTHER INFORMATION

**Additional Information: Modification(s) to the previous version:** compliance with 29CFR part 1910 subpart Z (2012)-GHS adaptation This Safety Data Sheet complies with OSHA Hazard Communication Standard 29 CFR 1910.1200 (HCS-2012) and its adaptation of United Nations 'Globally Harmonized System of Classification and Labeling of Chemicals (GHS).

This information is based on our current knowledge and is intended to describe the product for the purposes of health, safety and environmental requirements only. It should not therefore be construed as guaranteeing any specific property of the product.

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