



Safety Data Sheet-Super Green VG-20

1 – PRODUCT IDENTIFICATION

Product Name: SUPER GREEN VG20 - EXF 1LB.

Product Number: VG20-1

Product Use: Coloring agents, Pigments

DATE PREPARED: 11-30-2016

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:

Eye irritation – Category 2A (H319)

GHS Label elements, including precautionary statements

Hazard Pictogram(s):



Signal word: Warning

Health Hazards:

H319 Causes serious eye irritation

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:

P264 Wash with soap and water thoroughly after handling.

P280 Wear protective gloves/protective clothing/eye protection/face protection.

Response Precautions:

IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.

P305 + P351 + P338

P337 + P313 If eye irritation persists: Get medical advice/attention.

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
Copper pthalocyanine Green Nonylphenol Ethoxylate	1328-53-6	40 - 50% 10-15%

Substance/Mixture: mixture

Synonym: VG-20, Super Green

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 position comfortable for breathing. If you feel unwell, seek medical attention.

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

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: Wash out mouth with water. Remove victim to fresh air and keep at rest in a position comfortable for breathing. If material has been swallowed and the exposed person is conscious, give small quantities of water to drink. Do not induce vomiting unless directed to do so by medical personnel. If vomiting occurs, the head should be kept low so that vomit does not enter the lungs. Get medical attention. Never give anything by mouth to an unconscious person. If unconscious, place in recovery position and get medical attention immediately. Maintain an open airway. Loosen tight clothing such as a collar, tie, belt or waistband.

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

Auto ignition temperature: Not applicable

Specific protective equipment and procedures for firefighters: Wear self contained breathing apparatus and protective clothing. Promptly isolate the scene by removing all persons from the vicinity of the incident if there is a fire. No action shall be taken involving any personal risk or without suitable training. Move containers from fire area if this can be done without risk. Use water spray to keep fire-exposed containers cool. Thermal decomposition products may include the following materials: carbon dioxide, carbon monoxide, nitrogen oxides, sulfur oxides and metal oxide/oxides

Specific chemical hazards: None



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6 – ACCIDENTAL RELEASE MEASURES

Environmental precautions: No action shall be taken involving any personal risk or without suitable training.

Evacuate surrounding areas. Keep unnecessary and unprotected personnel from entering. Do not touch or walk through spilled material. Shut off all ignition sources. No flames, smoking or flames in hazard area. Avoid breathing dust. Provide adequate ventilation. Wear appropriate respirator when ventilation is inadequate. Put on appropriate personal protective equipment.

Avoid dispersal of spilled material and runoff and contact with soil, waterways, drains and sewers. Inform the relevant authorities if the product has caused environmental pollution (sewers, waterways, soil or air).

Methods for cleanup: Move containers from spill area. Use spark-proof tools and explosion-proof equipment. Approach release from upwind. Avoid dust generation. Do not dry sweep. Vacuum dust with equipment fitted with a HEPA filter and place in a closed, labeled waste container. Avoid creating dusty conditions and prevent wind dispersal. Dispose of via a licensed waste disposal contractor. Note: see Section 1 for emergency contact information and Section 13 for waste disposal. Remove mechanically by a method that minimizes the generation of airborne dust (vacuum cleaner, wet mopping, etc.) Ensure vacuum cleaners are approved for explosible dusts. Prevent entry into sewers, water courses, basements or confined areas.

7 – HANDLING and STORAGE

Storage: Store in accordance with local regulations. Store in a segregated and approved area.

Store in original container protected from direct sunlight in a dry, cool and well-ventilated area, away from incompatible materials (see Section 10) and food and drink. Eliminate all ignition sources. Separate from oxidizing materials. Keep container tightly closed and sealed until ready for use. Containers that have been opened must be carefully resealed and kept upright to prevent leakage. Do not store in unlabeled containers. Use appropriate containment to avoid environmental contamination. Empty containers retain product residue and can be hazardous. Do not reuse container. Minimize dust generation and accumulation, especially on elevated surfaces (e.g., roof beams and trusses, ventilation ducts, wall sills). A dust layer just 1/32nd of an inch(0.793 mm) deep on elevated surfaces may create a dust cloud explosion hazard

Handling: Avoid exposure - obtain special instructions before use. Do not handle until all safety precautions have been read and understood. Do not get in eyes or on skin or clothing.

Do not ingest. Avoid breathing dust. Avoid the creation of dust when handling and avoid all possible sources of ignition (spark or flame). Prevent dust accumulation. Use only with adequate ventilation. Wear appropriate respirator when ventilation is inadequate.

Keep in the original container or an approved alternative made from a compatible material, kept tightly closed when not in use. Electrical equipment and lighting should be protected to appropriate standards to prevent dust coming into contact with hot surfaces, sparks or other ignition sources. Take precautionary measures against electrostatic discharges. To avoid fire or explosion, dissipate static electricity during transfer by grounding and bonding containers and equipment before transferring material. Empty containers retain product residue and can be hazardous. Do not reuse container.

Remove contaminated clothing and protective equipment before entering eating areas.

Workers should wash hands and face before eating, drinking and smoking. Put on appropriate personal protection equipment. Eating, drinking and smoking should be prohibited in areas where this material is handled, stored and processed. Use nonsparking



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tools and equipment. Consult National Fire Protection Association (NFPA) 654 Standard for the Prevention of Fire and Dust Explosions from the Manufacturing, Processing, and Handling of Combustible Particulate Solids for details on the safe handling and equipment design.

8 – EXPOSURE CONTROLS / PERSONAL PROTECTION

Occupational exposure limits

OSHA PEL for

Particulates Not Otherwise Regulated (PNOR) of 15 mg/m³ - total dust, 5 mg/m³ - respirable fraction is recommended. In addition, the ACGIH recommends 3 mg/m³ - respirable particles and 10 mg/m³ - inhalable particles for Particles (insoluble or poorly soluble) Not Otherwise Specified (PNOS). The following respirator is recommended if airborne concentrations exceed the appropriate standard/guideline. NIOSH approved, air-purifying particulate respirator with N-95 filters.

Appropriate engineering controls: A system of local and/or general ventilation is generally preferred because it can control the emissions of the contaminant at its source, preventing dispersion of it into the general work area

Personal Protective Equipment

Respiratory Protection: A half-face high efficiency dust/mist respirator may be worn for up to ten times the exposure limit or the maximum use concentration specified by the appropriate regulatory agency or respirator supplier, whichever is lowest. A full-face piece high efficiency dust/mist respirator may be worn up to 50 times the exposure limit, or the maximum use concentration specified by the appropriate regulatory agency.

Eye/Face protection: Safety glasses with side shields. Maintain eye wash fountain in work area.

Hand/Skin Protection: Wear impervious protective clothing, including boots, gloves, lab coat, apron or coveralls, as appropriate, to prevent skin contact.

General Hygiene Considerations: Wash hands, forearms and face thoroughly after handling chemical products, before eating, smoking and using the lavatory and at the end of the working period. Appropriate techniques should be used to remove potentially contaminated clothing. Wash contaminated clothing before reusing. Ensure that eyewash stations and safety showers are close to the workstation location

9 – PHYSICAL / CHEMICAL PROPERTIES

Appearance: fine blue powder

Physical State: solid

Color: Green

Odor: odorless

pH: 7-9

Melting Point: NA

Boiling Point: NA

Flash point: Not applicable

Flammability (solid,gas): Not flammable

Explosive Properties: NA

Vapor Pressure: Not applicable

Vapor Density (AIR=1): Not applicable

Density: 1.43 to 1.63g/cm³



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Solubility in water: Dilutable

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

Auto-ignition temperature: Not applicable

Viscosity: Not applicable

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: Avoid the creation of dust when handling and avoid all possible sources of ignition (spark or flame). Take precautionary measures against electrostatic discharges. To avoid fire or explosion, dissipate static electricity during transfer by grounding and bonding containers and equipment before transferring material. Prevent dust accumulation

Incompatible materials: Oxidizers or Oxidizing Materials.

Hazardous Decomposition.: Carbon monoxide and carbon dioxide when burning.

11 – TOXICOLOGICAL INFORMATION

Acute Toxicity: None

Acute Oral Toxicity: LD50 oral, rat: 500 to 2000 mg/kg

Acute Inhalation Toxicity: LC-50 Inhalation Dusts and Mists: Rat >200mg/L (1 hour exposure)

Chronic Toxicity: Repeated or prolonged inhalation of dust may lead to chronic respiratory irritation.

Chronic LOAEL Inhalation: Dusts and mists Rat - Male, Female 2.5 mg/m³ 24 months; 16 hours per day

Sub-chronic NOEL Inhalation Dusts and mists Rat - Male 1.1 mg/m³ 13 weeks; 6 hours per day

Sub-chronic LOAEL Inhalation Dusts and mists Rat - Male 7.1 mg/m³ 13 weeks; 6 hours per day

Irritation: Irritant to eyes and skin

Sensitization: Non-sensitizing

Mutagenicity: Non-mutagenic

Carcinogenicity: This product contains no known or potential carcinogens

Reproductive toxicity: No known significant effects or critical hazards on reproduction.

Aspiration hazard: Not applicable

12 – ECOLOGICAL INFORMATION

Ecotoxicity: Based on available data, the classification criteria are not met

LC50 (Fish 96 h) : > 100000 mg/L

Persistence and degradability: Not applicable

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



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13 –DISPOSAL CONSIDERATIONS

Disposal considerations: The generation of waste should be avoided or minimized wherever possible. This material and its container must be disposed of in a safe way. Care should be taken when handling emptied containers that have not been cleaned or rinsed out. Empty containers or liners may retain some product residues. Avoid dispersal of spilled material and runoff and contact with soil, waterways, drains and sewers. Waste disposal should be in accordance with existing federal state, provincial and or local environmental controls laws.

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

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: None

Fire: Fire Hazard

Pressure: none

Reactive: None

SARA 313: none

Clean Water Act: This product does not contain any priority pollutants listed under the U.S. Clean Water Act, Section 307 (2) (1) Priority Pollutant List (40 CFR 401.15).

FDA: NA

US State Regulations

The following chemicals are specifically listed by individual states; other product specific health and safety data in other sections on the SDS may also be applicable for state requirements. For details on your regulatory requirements you should contact the appropriate agency in your state.

California Prop. 65

To the best of our knowledge, this product does not contain any of the listed chemicals, which the state of California has found to cause cancer, birth defects or other reproductive harm.

Sodium Sulfate 7757-82-6 MA - S, PA - RTK HS 5 - 10%

C.I. Pigment Green (Copper Compound) 147-14-8 NJ - HS, PA - RTK HS 40 - 46%



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Naphthalenesulfonic acids, polymers
with formaldehyde, sodium salts
86352-09-2 30 - 36%
Alkylphenol Nonionic Surfactant Trade secret. 10 - 15%
Water 7732-18-5 5 - 10%
Massachusetts Substances: MA - S
Massachusetts Extraordinary Hazardous Substances: MA - Extra HS
New Jersey Hazardous Substances: NJ - HS
Pennsylvania RTK Hazardous Substances: PA - RTK HS
Pennsylvania Special Hazardous Substances: PA - Special HS

International regulations

Canada

CEPA DSL: All components are listed or exempted.

Australia inventory (AICS): All components are listed or exempted.

China inventory (IECSC): All components are listed or exempted.

Japan inventory: All components are listed or exempted.

Korea inventory: All components are listed or exempted.

Philippines inventory (PICCS): All components are listed or exempted.

Europe-EINICS: All components are listed or exempted.

16 – OTHER INFORMATION

Additional Information: 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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