



Safety Data Sheet-BM 2032-20 Traffic Light Green Part B

1 – PRODUCT IDENTIFICATION

Product Name: BM 2032-20 Traffic Light Green

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:

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 If eye irritation persists: Get medical advice/attention.

P337 + P313

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
Proprietary pigment blend	Proprietary	proprietary

Substance/Mixture: mixture

Synonym: BM 2032-20 Traffic Light Green Part B

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: In case of skin contact, wash thoroughly with soap and water.

In case of eye: Immediately flush eyes with plenty of water for at least 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 Extinguished Media: Foam, water spray, dry chemical powder, carbon dioxide or sand.

Unsuitable Extinguished 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

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 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.



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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 breathing dust. Wash thoroughly after handling. Keep container tightly closed. Wear appropriate personal protective equipment as specified in Section 8.

Technical protective measures: Provide adequate ventilation to minimize dust and/or vapor concentrations.

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: 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: fine powder

Physical State: solid

Color: varies based on product

Odor: Odorless

pH: not determined

Melting Point: NA

Boiling Point: Not applicable. Not applicable. NA

Flash point: Not applicable.

Flammability (solid,gas): Not flammable

Explosive Properties: Not explosive



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Vapor Pressure: Not applicable
Vapor Density (AIR=1): Not applicable
Density: not determined
Solubility in water: Insoluble
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: Strong acids and bases
Hazardous Decomposition.: Carbon monoxide and carbon dioxide when burning.

11 – TOXICOLOGICAL INFORMATION

Acute Toxicity: None
Acute Oral Toxicity: LD50 oral, rat: > 5000 mg/kg
Acute Inhalation Toxicity:
Chronic Toxicity: Repeated or prolonged inhalation of dust may lead to chronic respiratory irritation.
Irritation: Irritant to eyes and skin
Sensitization: Non-sensitizing
Mutagenicity: Non-mutagenic
Carcinogenicity: No human carcinogen.
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) : > 32000 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: 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

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: None

Pressure: none

Reactive: None

SARA 313: none

Clean Water Act:

FDA: NA

US State Regulations

Black Iron Oxides do not appear on the following state Right-To-Know Lists:

California Proposition 65

Florida Hazardous Substances List

Massachusetts Substance List

Michigan Critical Materials Register

Minnesota Hazardous Substances List

New Jersey Hazardous Substance List

Pennsylvania Hazardous Substance List

International regulations

Canada

CEPA DSL: All components are listed or exempted.



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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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