

SAFETY DATA SHEET

Section 1: PRODUCT AND COMPANY IDENTIFICATION

1.1 Product Name: Rainbow Limeproof Green
Product Form: Mixture
1.2 Product Use: Pigment for Cement and Gypsum Products
1.3 Supplier/Manufacturer: Empire Blended Products Inc.
250 Hickory Lane
Bayville, NJ 08721
Phone Number: (732) 269-4949
1.4 Emergency Number: CHEMTREC (800) 424-9300

Section 2: HAZARDS IDENTIFICATION

2.1 Classification of the Chemical: Not classified

2.2 Label Elements:

Hazard Pictogram: N/A
Signal Word: N/A
Hazard Statement: No known significant effects or critical hazards.
Prevention: N/A
Response: N/A
Storage: Store in original container protected from direct sunlight in a dry, cool, and well-ventilated area, away from incompatible materials and food and drink.
Disposal: N/A

2.3 Additional Information:

Hazards not otherwise classified: N/A

Section 3: COMPOSITION / INFORMATION ON INGREDIENTS

3.1 Mixtures:

| <u>Ingredient</u> | <u>CAS #</u> | <u>Wt. %</u> |
|-------------------|--------------|--------------|
| Chromium Oxide | 1308-38-9 | >99.6 % |

Any concentration shown as a range is to protect confidentiality or is due to batch variation. There are no additional ingredients present which, within the current knowledge of the supplier and in the concentrations applicable, are classified as hazardous to health and hence require reporting in this section. Occupational exposure limits, if available, are listed in section 8.

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Section 4: FIRST AID MEASURES

4.1 Description of First Aid Measures:

- Eye:** In case of contact, immediately flush eyes with plenty of water, occasionally lifting the upper and lower eyelids. Check for and remove any contact lenses. Get medical attention if irritation occurs.
- Skin:** In case of contact, flush contaminated skin with plenty of water. Remove contaminated clothing and shoes. Get medical attention if symptoms occur.
- Inhalation:** Remove victim to fresh air and keep at rest in a position comfortable for breathing. Get medical attention if symptoms occur.
- 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. Get medical attention if symptoms occur.

4.2 Most Important Symptoms and Effects, both Acute and Delayed:

- Eye:** May cause mechanical irritation (abrasion).
- Skin:** May cause mechanical irritation (abrasion).
- Inhalation:** No known significant effects or critical hazards.
- Ingestion:** No known significant effects or critical hazards.

4.3 Indication of Any Immediate Medical Attention and Special Treatments Needed:

- Note to Physicians:** Treat symptomatically. No specific treatment.
- Specific Treatments:** No special measures required.

Section 5: FIRE FIGHTING MEASURES

5.1 Extinguishing Media:

- Suitable Extinguishing Media:** Use an extinguishing agent suitable for the surrounding fire. In case of fire, use water spray (fog), foam or dry chemical.
- Unsuitable Extinguishing Media:** None known.

5.2 Special Hazards Arising From the Chemical: No specific fire or explosion hazard.

- Products of Decomposition:** No specific data.

5.3 Special Protective Equipment and Precautions for Fire Fighters: 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. Fire-fighters should wear appropriate protective equipment and self-contained breathing apparatus (SCBA) with a full face-piece operated in positive pressure mode.

Section 6: ACCIDENTAL RELEASE MEASURES

6.1 Personal Precautions, Protective Equipment and Emergency Procedures: 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. Avoid breathing dust. Put on appropriate person protective equipment.

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6.2 Environmental Precautions: 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).

6.3 Methods and Materials for Containment/Cleanup: Move containers from spill area. Approach release from upwind. Vacuum or sweep up material and place in designated, 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. Prevent entry into sewers, water courses, basements or confined areas.

Section 7: HANDLING AND STORAGE

7.1 Precautions for Safe Handling: Avoid breathing dust. 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 protective equipment. Eating, drinking, and smoking should be prohibited in areas where this material is handled, stored and processed.

7.2 Conditions for Safe Storage, Including Any Incompatibilities: Store in accordance with local regulations. 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. 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 or liners may retain some product residues.

Section 8: EXPOSURE CONTROLS AND PERSONAL PROTECTION

8.1 Control Parameters:

Exposure Guidelines:

| Ingredient | ACGIH TLV - TWA | OSHA PEL - TWA |
|----------------|-------------------------------|-------------------------------|
| Chromium Oxide | 0.5 mg/m ³ 8 hours | 0.5 mg/m ³ 8 hours |

If this product contains ingredient with exposure limits, personal, workplace, atmosphere or biological monitoring may be required to determine the effectiveness of the ventilation or other control measures and/or the necessity to use respiratory protective equipment.

8.2 Exposure Controls:

Engineering Controls: Use only with adequate ventilation. If user operations generate dust, fumes, gas, vapor or mist, use process enclosures, local exhaust ventilation or other engineering controls to keep worker exposure to airborne contaminate below any recommended or statutory limits.

8.3 Individual Protective Measures:

Personal Protective Equipment:

Eye/Face Protection: If contact with product is possible, wear safety glasses with side shields.

Skin Protection: Wear suitable protective clothing and gloves. Suitable protective footwear.

Respiratory Protection: Dust-protection mask.

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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 reuse. Ensure that eyewash stations and safety showers are close to the workstation location.

Section 9: PHYSICAL AND CHEMICAL PROPERTIES

9.1 Information on Basic Physical and Chemical Properties:

Appearance: Powder

Color: Green

Odor: Odorless

Odor Threshold: N/A

Physical State: Solid

pH: 5 to 7

Viscosity: N/A

Freezing Point: N/A

Boiling Point: 4000 °C (1013 hPa)

Melting Point: 2435 °C (4415 °F)

Flash Point: N/A

Evaporation Rate: N/A

Lower Flammability Limit: N/A

Vapor Pressure: N/A

Density: 5.22 g/cm³

Relative Density: N/A

Bulk Density: N/A

Lower Explosion Limit: N/A

Upper Explosion Limit: N/A

Solubility in Water: Insoluble in cold water

Coefficient of Water/Oil Distribution: N/A

Auto-ignition Temperature: N/A

Decomposition Temperature: N/A

Section 10: STABILITY AND REACTIVITY

10.1 Reactivity:

No specific test data related to reactivity available for this product or its ingredients.

10.2 Chemical Stability:

This product is stable.

10.3 Possibility of Hazardous Reactions:

No hazardous reactions known under conditions of normal storage and use.

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- 10.4 Conditions to Avoid:** No specific data.
- 10.5 Incompatible Materials:** No specific data.
- 10.6 Hazardous Decomposition Products:** Under normal conditions of storage and use, hazardous decomposition products should not be produced.

Section 11: TOXICOLOGICAL INFORMATION

11.1 Information on Toxicological Effects

Likely routes of exposure: Skin contact, eye contact, inhalation, and ingestion.

Eye: May cause mechanical irritation (abrasion).

Skin: May cause mechanical irritation (abrasion).

Inhalation: No known significant effects or critical hazards.

Ingestion: No known significant effects or critical hazards.

Acute Toxicity:

| Ingredient | LD50- Oral | LC50- Inhalation |
|-------------------|-------------------|-------------------------|
| Chromium Oxide | >5000 mg/kg, rat | >5.41 mg/l 4 hours, rat |

11.2 Delayed, Immediate and Chronic Effects of Short- and Long- Term Exposure:

Short Term Exposure: N/A

Long Term Exposure:

Potential Delayed Effects - N/A

General - No known significant effects or critical hazards.

Carcinogenicity - No known significant effects or critical hazards.

Mutagenicity - No known significant effects or critical hazards.

Teratogenicity - No known significant effects or critical hazards.

Developmental Effects - No known significant effects or critical hazards.

Fertility Effects - No known significant effects or critical hazards.

Section 12: ECOLOGICAL INFORMATION

12.1 Toxicity:

| Ingredient Name | Result | Species | Exposure |
|------------------------|-------------------------|----------------|-----------------|
| Chromium Oxide | Acute EC50 >10000 mg/l | Bacteria | 3 hours |
| | Acute LC50 >10000 mg/l | Fish | 96 hours |
| | Chronic NOEC 10000 mg/l | Fish | 30 days |

12.2 Persistence and Degradability: N/A

12.3 Bioaccumulative Potential: N/A

12.4 Mobility in Soil: N/A

12.5 Other Adverse Effects: N/A

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Section 13: DIPOSAL CONSIDERATIONS

13.1 Waste Treatment Methods:

Disposal Method: The generation of waste should be avoided or minimized wherever possible. 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. Waste disposal should be in accordance with existing federal state, provincial and or local environmental control laws.

RCRA Classification: If discarded in its purchased form, this product would not be a hazardous waste either by listing or by characteristic. However, under RCRA, it is the responsibility of the product user to determine at the time of disposal, whether a material containing the product or derived from the product should be classified as a hazardous waste. (40 CFR 261.20-24).

Section 14: TRANSPORTATION INFORMATION

14.1 DOT (US): Not regulated

14.2 IMDG: Not regulated

14.3 IATA: Not regulated

Section 15: REGULATORY INFORMATION

15.1 Safety, Health and Environmental Regulations/Legislations Specific for the Chemical:

SARA Title III:

| Ingredient | Section 302 | Section 311/312 | CERCLA | Section 313 |
|-------------------|--------------------|------------------------|---------------|--------------------|
| Chromium Oxide | Not Included | Not Included | Included | Included |

US Toxic Substance Control Act: Listed on the TSCA Inventory

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.

| Ingredient | CAS# | State Code | Concentration (%) |
|-------------------|-------------|---------------------------|--------------------------|
| Chromium Oxide | 1308-38-9 | MA- S, NJ- HS, PA- RTK HS | >99.6 % |

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

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California Prop. 65: Warning! This product contains a chemical known to the State of California to cause cancer, birth defects or other reproductive harm. The concentrations reported below in unites of parts per million (ppm) or parts per billion (ppb) are maximum values. Trace heavy metal content reported below is based on random sample analyses and content may vary from batch to batch.

| <u>Ingredient</u> | <u>CAS#</u> | <u>Conc. (%)</u> | <u>Cancer</u> | <u>Reproductive</u> |
|---------------------|-------------|------------------|---------------|---------------------|
| Hexavalent Chromium | 18540-29-9 | 0.0005 | YES | YES |
| Arsenic | 7440-38-2 | 0.0002 | YES | |
| Lead | 7439-92-1 | 0.0002 | YES | YES |

HMIS- Hazardous Material Information System:

Health: 1
Flammability: 0
Physical: 0

NFPA- National Fire Protection Association:

Health: 1
Fire: 0
Reactivity: 0

Hazard Rating:

0 = minimal 1 = slight 2 = moderate 3 = severe 4 = extreme

Section 16: OTHER INFORMATION

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Prepared by: Empire Blended Products Inc.

Prepared for: Empire Blended Products Inc.